

Medical Product Quality Report – COVID-19 Issues

Issue 11. Data from April & May 2021

The document has been produced by the Medicine Quality Research Group,
Centre of Tropical Medicine & Global Health, Nuffield Department of Medicine,
University of Oxford



This report was prepared by Kerlijn Van Assche, Céline Caillet and Paul Newton of the Medicine Quality Research Group, that is part of the Infectious Diseases Data Observatory (IDDO) and the MORU Tropical Health Network, Centre for Tropical Medicine & Global Health, Nuffield Department of Medicine, University of Oxford, UK. We especially thank Hoda Kanso, for working together with the team in writing this report.

The Globe system was developed by Clark Freifeld (HealthMap, Boston Children's Hospital, North Eastern University) and Andrew Payne (IDDO), Alberto Olliaro (IDDO) and Gareth Blower (ex-IDDO) with curation of the English reports by Kitignavong Inthaphavanh and Konnie Bellingham, linked to the Lao-Oxford-Mahosot Hospital-Wellcome Trust Research Unit (LOMWRU), Microbiology Laboratory, Mahosot Hospital, Vientiane, Lao PDR.

This document is open access but we would be grateful if you could cite it as:

Medicine Quality Research Group, University of Oxford. Medical Product Quality Report – COVID-19 Issues. Issue 11, April & May 2021.

The work is kindly supported by the Bill&Melinda Gates Foundation, the University of Oxford and the Wellcome Trust.

August 10th, 2021

Contents

1	Summary of findings	4
2	Introduction	5
3	Scientific literature.....	7
3.1	General	7
3.2	Seizures/Surveys/Case Reports/Reviews	10
4	International organisations	11
5	Miscellaneous	12
6	Lay literature	15
6.1	Disclaimer & Notes.....	15
6.2	Articles on diverted, substandard or falsified medical products for COVID-19: main characteristics	17
6.3	Vaccines	20
6.3.1	April	20
6.3.2	May.....	22
6.4	COVID-19 diagnostics.....	24
6.4.1	April	24
6.4.2	May.....	25
6.5	Personal protective equipment.....	25
6.5.1	April	25
6.5.2	May.....	26
6.6	Sanitisers and disinfectants	27
6.7	COVID-19 medicines	30
6.7.1	April	31
6.7.2	May.....	33
6.8	Ventilation & oxygenation equipment and consumables	39
6.8.1	April	39
6.8.2	May.....	40
Annexes	42
	Annex A: Methodology changes for searches in the lay literature.	42
	Annex B: Alerts on COVID-19 related diverted, substandard or falsified medical products by week.....	44
	Annex C: Medicine Quality Monitoring Globe reports containing report IDs	45
	Annex C.1. Vaccines	
	Annex C.2. COVID-19 diagnostics	
	Annex C.3. Personal protective equipment	
	Annex C.4 Sanitisers and disinfectants	
	Annex C.5 COVID-19 medicines	
	Annex C.6 Ventilation & oxygenation equipment and consumables	

1 Summary of findings

In this April-May 2021 issue, we report on 135 new public domain incidents on diverted or substandard or falsified (SF) COVID-19 products identified on the Medicines Quality Monitoring (MQM) Globe. For the months of April and May, the MQM Globe reported incidents in India more than any other country; India was experiencing its second wave and the demand for COVID-19 supplies drastically exceeded the supply.

The category of COVID-19 medicines had the highest number of incidents of diversion, substandard or falsification issues. The medicines which were most reported were remdesivir, amphotericin B, and tocilizumab. 88.3% of the incidents relating to COVID-19 medicines were reported for remdesivir. Healthcare professionals have been the backbone for combating the pandemic, caring for patients in very difficult circumstances at the front line. Sadly, a few of them have been involved in diversion or falsification of COVID-19 medicines.

This report also highlights a surge of diversion and falsification of ventilation and oxygenation equipment and consumables, particularly in the month of May. Diverted and SF COVID-19 vaccines were also reported in these months. The MQM Globe holds 24 articles from April and May reporting diverted and SF vaccines in eight countries and online. The reported incidents relating to other COVID-19 medical products such as personal protective equipment, sanitisers & disinfectants and diagnostics seems to have reduced.

We remain very concerned about the global risk of SF COVID-19 medical products, especially vaccines and medicines. We continue to share data from the MQM Globe (Figure 1), that can serve as early warning system for potential SF quality issues.



Figure 1. Reports on the Medicine Quality Monitoring Globe linked to covid-19.

SEARCH ON THE MEDICINE QUALITY MONITORING GLOBE (MQM GLOBE) WITH THE FOLLOWING FILTERS: SEARCH BOX "COVID-19", FROM 1 APRIL 2021 TO 31 MAY 2021, ALL LANGUAGES, INCIDENT REPORTS, REPORTS REVIEWED BY CURATORS. LAUNCH YOUR SEARCH OF INTEREST [on the MQM Globe](#).

2 Introduction

During the COVID-19 pandemic, the demand for COVID-19 related medical supplies has inevitably ballooned with an increased need for personal protective equipment (PPE), diagnostics and preventive & curative pharmaceuticals. The high demand and related shortages of genuine products contributes to an increased global risk of diverted and substandard and falsified (SF) medical products, for COVID-19 and for many other essential medicines. The media have been reporting diverse examples of SF products flooding the market.

This report aims to collate information and reports in the public domain on the quality of medical products that are currently in use, or that are being trialled for COVID-19's prevention or treatment. We also include reports on key subjects such as access, affordability or off label use for COVID-19 if they mention concern of the quality of the products. We do not aim to include discussion of the multiple fraudulent claims and quackery.

We use the terminology for different types of poor quality medical products as defined by the World Health Organisation (WHO, 2017)¹:

- **Substandard medical products**
Also called “out of specification”, these are authorized medical products that fail to meet either their quality standards or their specifications, or both.
- **Unregistered/unlicensed medical products**
Medical products that have not undergone evaluation and/or approval by the national or regional regulatory authority for the market in which they are marketed/distributed or used, subject to permitted conditions under national or regional regulation and legislation.
- **Falsified medical products**
Medical products that deliberately/fraudulently misrepresent their identity, composition or source.

We emphasise the difference between the use of the terms ‘falsified’ and ‘counterfeit’ medical products. ‘Falsified’ is a broad term including all the various types of deliberate misrepresentation of a medical product from a public health perspective. The term ‘counterfeit’ is specifically linked to intellectual property rights, ‘trademark counterfeit goods’² and ‘pirated copyright goods’³ as used in the Trade-Related

¹Source: World Health Organisation. Appendix 3 WHO MEMBER STATE MECHANISM ON SUBSTANDARD/SPURIOUS/FALSELY-LABELLED/FALSIFIED/COUNTERFEIT (SSFFC) MEDICAL PRODUCTS WORKING DEFINITIONS. In: Seventieth World Health Assembly. ; 2017. Accessed March 2, 2021. https://www.who.int/medicines/regulation/ssffc/A70_23-en1.pdf?ua=1

²*Trademark counterfeit goods*: any goods, including packaging, bearing without authorization a trademark which is identical to the trademark validly registered in respect of such goods, or which cannot be distinguished in its essential aspects from such a trademark, and which thereby infringes the rights of the owner of the trademark in question under the law of the country of importation.
Source: World Trade Organization. Part III — Enforcement of Intellectual Property Rights. Accessed March 2, 2021. https://www.wto.org/english/docs_e/legal_e/27-trips_05_e.htm#fnt-14

³*Pirated copyright goods*: any goods that are copies made without the consent of the right holder or person duly authorized by the right holder in the country of production, and which are made directly or indirectly from an article where the making of that copy would have constituted an infringement of a copyright or a related right

Aspects of Intellectual Property Rights (TRIPS) agreement. We include diversion/theft as, aside from harming the intended recipients, risks for medicines and vaccines, degradation due to inappropriate storage and transport.

The reports presented here were mostly extracted from the Medicines Quality Monitoring Globe ([the MQM Globe is accessible on the IDDO website⁴](#)), a system that scrapes online newspapers (referenced in Google News) for early warnings of SF medical products. In addition, alerts and reports by national and international organisations are included when captured by the members of the team or shared by colleagues. This report also includes scientific literature and policy documents related to COVID-19 medical products quality identified by manual searches in PubMed (Central) and Google Scholar. We also include preprints of articles. Please note that preprints should be viewed with additional caution as they have not been peer-reviewed. They should not be relied on to guide clinical practice or health-related behaviour and should not be reported in news media as established information.

Please note the caveats for the lay literature ([MQM Globe disclaimer and caveats are accessible on the IDDO website⁵](#)); we include abstracts and extracts from articles that are subject to a take down policy. If we are contacted by a potential rights-holder who objects to the presence of material, we will remove the material in question from the report and Globe until we have been able to assess the case. Where material is removed for valid reasons of copyright, its removal will be considered as lasting until copyright in the material expires, or until the rights-holder agrees that the material can be reinstated.

This eleventh issue of the 'Medical Product Quality Report – COVID-19 Issues' covers information published during the month of April and May 2021. The previous issues covered publications from January 1st 2020 to March 31st 2021 are available on the IDDO⁶ and MORU⁷ websites. We also include publications and reports published prior to April 2021 that were missed in the previous issues of the report. From the second issue of the report upon the tenth issue, the report was published monthly. This issue is the first report covering 2 months. We have recently released a system to easily access regulatory authority and international organisation websites for alerts – see [the 'Regulatory & alert webpages' section](#) on our [MQM Globe](#). Any remarks or additions to content are greatly appreciated (please write to medicinequality@iddo.org)

under the law of the country of importation.

Source: World Trade Organization. Part III — Enforcement of Intellectual Property Rights. Accessed July 22, 2021. https://www.wto.org/english/docs_e/legal_e/27-trips_05_e.htm#fnt-14

⁴Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe. Web Page. Published 2020. Accessed July 22, 2021. <https://www.iddo.org/medicine-quality-monitoring-globe>

⁵Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe disclaimer and caveats. Web Page. Published 2020. Accessed July 22, 2021. <https://www.iddo.org/medicine-quality-monitoring-globe-disclaimer-and-caveats>

⁶Infectious Diseases Data Observatory. Medical Product Quality Reports. Medical Product Quality Reports. Published 2020. Accessed July 22, 2021. <https://www.iddo.org/mq/research/medical-product-quality-reports>

⁷ MORU Tropical Health Network. Medical Product Quality Report - Covid-19 issues. Medicine Quality. Published 2020. Accessed July 22, 2021. <https://www.tropmedres.ac/research-areas/medicine-quality/covid-19-pandemic>

3 Scientific literature

3.1 General

Ali F, Russell C, Nafeh F, Rehm J, LeBlanc S, Elton-Marshall T. Changes in substance supply and use characteristics among people who use drugs (PWUD) during the COVID-19 global pandemic: A national qualitative assessment in Canada. *Int J Drug Policy*. Published online April 20, 2021:1-8. doi:10.1016/j.drugpo.2021.103237

Extract. « Results: PWUD [people who use drugs] attributed adverse changes to their substance use frequency, supply, use patterns, and risk behaviors and outcomes to COVID-19. Many participants noted supply disruptions with the majority indicating a decrease in potency and availability, and an increase in the price of substances since COVID-19. Nearly half of participants specified that they had increased their substance use, with some experiencing relapses. In terms of changes to risk level, many participants perceived they were at a greater risk for experiencing an overdose.

Conclusion: This study demonstrated the impacts of COVID-19 on PWUD, including a significant disruption substance supply. For many, these changes led to increased use and substitution for toxic and adulterated substances, which ultimately amplified PWUD's risk for experiencing related harms, including overdoses. These findings warrant the need for improved supports and services, as well as accessibility of safe supply programs, take home naloxone kits, and novel approaches to ensure PWUD have the tools necessary to mitigate risk when using substances. »

Amimo F, Lambert B, Magit A, Hashizume M. A review of prospective pathways and impacts of COVID-19 on the accessibility, safety, quality, and affordability of essential medicines and vaccines for universal health coverage in Africa. *Global Health*. 2021;17(1):42. Published 2021 Apr 8. doi:10.1186/s12992-021-00666-8

Extract. « We found that the disruption of the international system affects more immediately the capability of low- and middle-income countries to acquire the basket of EMV [Essential medicines and vaccines]. The COVID-19 pandemic may facilitate dishonesty and fraud, increasing the propensity of patients to take substandard and falsified drugs. Strategic regional cooperation in the form of joint tenders and contract awarding, joint price negotiation and supplier selection, as well as joint market research, monitoring, and evaluation could improve the supply, affordability, quality, and safety of EMV. Sustainable health financing along with international technology transfer and substantial investment in research and development are needed to minimize the vulnerability of African countries arising from their dependence on imported EMV. »

Baye AM, Ababu A, Bayisa R, et al. Perspectives of compounding pharmacists on alcohol-based hand sanitizer production and utilization for COVID-19 prevention in Addis Ababa, Ethiopia: A descriptive phenomenology study. *PLoS One*. 2021;16(4):1-15. doi:10.1371/journal.pone.0250020

Extract. « Conclusion. Three of the compounding pharmacists indicated that ABHR production in their setting lack compliance to good compounding practice due to inadequate compounding room, quality control tests, manpower and equipment. Despite this, most study participants preferred the in-house ABHR products than the commercially available ones. Thus, training, regular monitoring and follow-up of the hospital compounding services can further build staff confidence. »

Bourasseau A, Lavergne L, Ravinetto R. Assessments of the quality systems of pharmaceutical distributors: a remote approach to be applied in times of COVID-19 and beyond. *J Pharm Policy Pract.* 2021;14(1):1-9.doi:10.1186/s40545-021-00323-w

Extract. « Adequate quality systems throughout pharmaceutical supply chains are crucial to protect individuals and communities from substandard and falsified medical products. [...] this pilot experience suggests that a well-planned remote assessment of pharmaceutical distributors, conducted with the support of a well-trained onsite ICAF [in-country assessment facilitator], can provide data of acceptable quality, allowing to assess GSDP-compliance and to make temporary decisions about licensing or purchasing. Purchasers and policy makers should read the results of remote assessments in light of their intrinsic limitations. At the moment, onsite assessments remain the gold standards, but this could change in the longer term, with improved information technology and in light of the need to avoid unnecessary travels. Furthermore, remote assessments could be considered for routine pre-screening candidates for on-site assessments, and for targeted follow-up of on-site assessment. »

Gladys Okafor U, Aderonke Olalaye M, Chukwuemeka Asobara H, Fidelis Umeodinka E. **Global Impact of COVID-19 Pandemic on Public Health Supply Chains.** In: *Evidence-Based Approaches to Effectively Respond to Public Health Emergencies [Working Title]*. IntechOpen; 2021. doi:10.5772/intechopen.97454

Abstract. « Health commodity supply chains are vital to a well-functioning health system and advancing national and regional health security goals. This study describes impacts of the COVID-19 pandemic on these chains, learnings from it and the challenges faced by countries. It also provides futuristic strategic recommendations for the building of the supply chain to manage the impacts and guide pandemic responsiveness. We used the PRISMA guideline for systematic review to collate relevant information from both published and unpublished literature. Out of 622 screened records, 38 were included in the review. Major impacts were innovation, collaboration, increased technology, research and development, increased prices and shortage of health products, depletion of supply chain personnel. Challenges were lack of visibility, coordination, resilience and strategy for pandemics, potential substandard medicines epidemic, travel restrictions and inadequate scientific knowledge. The studies recommended increased local production and resilience of supply chains. The pandemic disrupted national and international supply chain systems of medical devices, essential medicines and pharmaceutical products due to border closures, transportation and international trade restrictions. It however exposed hidden potentials in Sub-Saharan Africa. There is need to develop supply chain strategy for emergencies, increase local production and talent pool for supply chain management particularly in Africa. »

[Preprint] Gutema G, Homa G. Cropping up Crisis at the Nexus between COVID-19 and AMR in Africa: A Scoping Review and Synthesis of Early Evidence. Preprints. Published online May 7, 2021:1-13. doi:10.20944/preprints202105.0152.v1

Extract. « Given the fact that the outbreak of COVID-19 pandemic brought the global supply chains of goods and services essentially to a standstill, the disruption of the supply chains in the international pharmaceutical trade as a result would significantly affect the availability and hence access to antibiotics in most African countries. Such lack of access to antibiotics in situations where the outbreak of the COVID-19 pandemic is further fuelling the consumption of antibiotics would bring a knock-on effect on the demands of antibiotics in healthcare settings and also in the community. In fact, this knock-on effect on the demands of antibiotics coupled with cuts in the production lines at pharmaceutical manufacturers due to the outbreak of the pandemic created shortage of medications in the market. This in turn revitalizes the circulation of substandard or counterfeited antibiotics, the illegal supply chains of which had hitherto been established more in Africa. Such increasing use of substandard and counterfeited antibiotics in Africa would therefore further fuel the three determinants which drive the epidemiology of AMR – emergence, transmission and population-level burden of AROs. In addition, disruption in the

supply chains of pharmaceuticals in Africa exacerbates the already dire conditions of AMR by disrupting the continuous supply of regimens to patients hitherto on antimicrobial treatments. Patients whose supply of antimicrobial regimens disrupted due to the pandemic would either discontinue their treatments or else resort to purchasing counterfeited or substandard products from the black market. Whichever way patients would have to respond to the disruption of their regimens, the end result is one and same – treatment failure. Treatment failure due to discontinuation of regimens (that is using suboptimal quantity) and due to the use of counterfeited drug products (that is using suboptimal quality) ultimately leads to the emergence of AMR. »

Jairoun AA, Al-Hemyari SS, Abdulla NM, et al. Online medication purchasing during the Covid-19 pandemic: potential risks to patient safety and the urgent need to develop more rigorous controls for purchasing online medications, a pilot study from the United Arab Emirates. *J Pharm Policy Pract.* 2021;14(1). doi:10.1186/s40545-021-00320-z

Extract. « Another concern regarding the online self-medication practice during Covid-19 pandemic concerns questions surrounding the purity, quality, and authenticity of the medications that are available. Lately, a safety study was held in Dubai, UAE, by which 6/102 tested alcohol-based skin sanitizers revealed to contain unlisted or undeclared methanol encompassed with the ingredients. Moreover, others revealed containing alcohol of less than 60% although their labels stated to contain alcohol of 70%. A relatively similar survey in Ajman, UAE [United Arab Emirates], lead to shutting two factories down after a great amount of sub-standard sterilizer was captured—an approximate amount of 40,000 pieces holding a market value of about 500,000 United Arab dirhams. When the placed stickers were removed from the products, the original below sticker unveiled that they were nothing but body spray perfumes, not at all medically sterile products as per pretended. Such unaccepted practices rings the bell for medication safety attention. [...] This research demonstrated that around one-third of those responding had used the Internet to purchase medication during the Covid-19 pandemic. Large-scale longitudinal research should be undertaken to gain further details regarding the purchase of medication online. Additionally, more research should be conducted to investigate and compare the self-medication and associated risk factors between online pharmacies and community pharmacies. »

Miller R, Wafula F, Onoka CA, et al. When technology precedes regulation: the challenges and opportunities of e-pharmacy in low-income and middle-income countries. *BMJ Glob Heal.* 2021;6(5):e005405. doi:10.1136/bmjgh-2021-005405

Abstract. « The recent growth of medicine sales online represents a major disruption to pharmacy markets, with COVID-19 encouraging this trend further. While e-pharmacy businesses were initially the preserve of high-income countries, in the past decade they have been growing rapidly in low-income and middle-income countries (LMICs). Public health concerns associated with e-pharmacy include the sale of prescription-only medicines without a prescription and the sale of substandard and falsified medicines. There are also non-health-related risks such as consumer fraud and lack of data privacy. However, e-pharmacy may also have the potential to improve access to medicines. Drawing on existing literature and a set of key informant interviews in Kenya, Nigeria and India, we examine the e-pharmacy regulatory systems in LMICs. None of the study countries had yet enacted a regulatory framework specific to e-pharmacy. Key regulatory challenges included the lack of consensus on regulatory models, lack of regulatory capacity, regulating sales across borders and risks of over-regulation. However, e-pharmacy also presents opportunities to enhance medicine regulation—through consolidation in the sector, and the traceability and transparency that online records offer. The regulatory process needs to be adapted to keep pace with this dynamic landscape and exploit these possibilities. This will require exploration of a range of innovative regulatory options, collaboration with larger, more compliant businesses, and engagement with global regulatory

bodies. A key first step must be ensuring that national regulators are equipped with the necessary awareness and technical expertise to actively oversee this e-pharmacy activity. »

Tse TJ, Purdy SK, Shen J, et al. **Toxicology of alcohol-based hand rubs formulated with technical-grade ethanol.** *Toxicol Reports*. 2021;8:785-792. doi:10.1016/j.toxrep.2021.03.034

Abstract. « Alcohol-based hand rubs (ABHRs) formulated with technical-grade ethanol were temporarily permitted in Canada and the U.S beginning April 2020 to meet the current demand due to COVID-19. ABHRs formulated with technical-grade ethanol are low risk for general use. In this review, we discuss the toxicity of common contaminants found in technical-grade ethanol, as well as contaminants that may have been introduced into the products during formulation and packaging of ABHRs. Although primary route of exposure is via dermal absorption and inhalation, there have been reported elevated concerns regarding to ingestion of ABHRs. Overall, the highest risks were associated with methanol (for its toxicity), ethyl acetate (skin defatting), and acetaldehyde (carcinogenic and teratogenic). For these reasons Health Canada and the United States Food and Drug Administration have issued recalls on products containing some of these contaminants. More vigilant policing by regulatory agencies and general product users are required to ensure compliance, safety, and efficacy of these new products, as demand continue to rise during this unprecedented pandemic. »

Additional publications from prior to April 2021

Turcotte-Tremblay AM, Gali Gali IA, Ridde V. **The unintended consequences of COVID-19 mitigation measures matter: practical guidance for investigating them.** *BMC Med Res Methodol*. 2021;21(1):1-17. doi:10.1186/s12874-020-01200-x

Extract. « the “very discussion of chloroquine and hydroxychloroquine as therapeutic options against COVID-19 has decreased their availability for proven treatments, exacerbated global shortages, fueled an already rampant counterfeit drug market in Africa and worsened trade tensions.” Although these drugs’ efficacy to treat COVID-19 patients was not proven, some pharmacies in West Africa reported soaring price inflations, stockouts, and the emergence of informal market supply channels. »

3.2 Seizures/Surveys/Case Reports/Reviews

Falsified COVID-19 vaccine recently identified in Mexico. *Reactions Weekly*. 2021;1850(1):4. doi:10.1007/s40278-021-93809-0

Extract. «A falsified COVID-19 Vaccine, called BNT162b2, has been identified in the WHO region of the Americas (specifically Mexico), according to the WHO. In a recent WHO Medical Product Alert, the above-mentioned product was confirmed as a falsified vaccine, which was supplied and administered to patients outside authorised vaccination programmes. The WHO has expressed concern that “this falsified COVID-19 Vaccine may still be in circulation in the region and may continue to be offered to patients outside authorized vaccination programs”. »

[Preprint] Samuel E, Babu A, Arjunan S, Mahanty B. **Unravelling the Enigma of Hand Sanitizer In COVID-19-A Bibliometric Analysis of Related Publications Over the Year.** *Res Sq*. Published online May 21, 2021:1-29. doi:10.21203/rs.3.rs-526772/v1

Extract. « *Conclusions:* The use of hand sanitizer, ABHSs in particular, remains a front-line defence against the spread of Covid19. From the systematic review on “hand sanitizer” during the ongoing pandemic, the following conclusions can be made. (*) A significant number of publications on ABHSs are review, editorial, commentary in nature. (*) Variation in ethanol content in ABHSs related formulation is evident, only a few studies relate their efficacy on

SARS-Cov-2. The efficacy of semi-alcoholic, ayurvedic formulations are either inexistent or poorly described. (*) Most reports of accidental ethanol exposure from ABHSs are in children, without serious consequences. Few scattered reports are there on intentional ingestion, methanol poisoning from counterfeit sanitizers, and death. Short-term over sanitization-related skin dermatitis in children and healthcare workers have been reported. Though the ABHSs misuse could have been resolved through a better awareness program, campaign, and close monitoring, the flourishing market of fake/spurious products needs to be curbed by enforcement authorities. »

Tse TJ, Nelson FB, Reaney MJT. Analyses of commercially available alcohol-based hand rubs formulated with compliant and non-compliant ethanol. *Int J Environ Res Public Health*. 2021;18(7):1-12. doi:10.3390/ijerph18073766

Abstract. « The COVID-19 pandemic led to panic-buying of alcohol-based hand rubs (ABHRs). In response, governmental agencies (e.g., Health Canada) permitted the sale of ABHRs formulated with “technical-grade” ethanol to alleviate the growing demand. Technical-grade ethanol contains elevated concentrations of impurities (e.g., acetaldehyde, etc.), which may exhibit dose-dependent toxicity. In this study, a rapid solvent extraction was employed to analyze gelled ABHRs via gas chromatography with flame ionization detection. In total, 26 liquid and 16 gelled ABHRs were analyzed for nine common impurities to determine compliance with Health Canada interim guidelines. Of 42 samples analyzed, 11 ABHRs appear to be non-compliant with interim Health Canada guidelines. Non-compliant ABHRs exhibited elevated concentrations of acetaldehyde, with a maximal concentration observed of $251 \pm 10 \mu\text{L L}^{-1}$; $3.3\times$ higher than currently permitted. Nonetheless, frequent testing of ABHRs should be routinely conducted to reduce the risk of consumer exposure to non-compliant ABHRs. »

4 International organisations

Europol. European Union Serious and Organised Crime Threat Assessment. A Corrupting Influence: The Infiltration and Undermining of Europe’s Economy and Society by Organised Crime.; 2021. Accessed May 19, 2021.

<https://www.europol.europa.eu/activities-services/main-reports/european-union-serious-and-organised-crime-threat-assessment>

Extract. « The COVID-19 pandemic has prompted a surge in the trade of illicit medical supplies such as counterfeit face masks, gloves, hand sanitiser as well as fake vaccines. Legitimate suppliers were initially unable to meet the sudden increase in demand for personal protective equipment and sanitary products, which resulted in opportunities for criminals. »

Pan American Health Organization. **PAHO warns against getting COVID-19 vaccines outside of official channels.** News. Published April 22, 2021. Accessed May 19, 2021. <https://www.paho.org/en/news/22-4-2021-paho-warns-against-getting-covid-19-vaccines-outside-official-channels>

Extract. « Vaccines not procured through government purchases from certified providers and offered by authorized national immunization circuits are presumed to be falsified and dangerous to health. [...] The COVID-19 pandemic has led to an increase in incidents of substandard, counterfeit, and unregistered medical products worldwide. In particular, the limited availability of vaccines appears to be contributing to the emergence of products in illegal channels, ranging from Internet sales offers to customs seizures to retail trade.

5 Miscellaneous

Borse NN, Cha J, Chase CG, et al. **Responding to the Surge of Substandard and Falsified Health Products Triggered by the Covid-19 Pandemic.** 2021. Accessed June 1, 2021. <https://www.usp.org/sites/default/files/usp/document/our-impact/covid-19/surge-of-substandard-and-falsified-health-products.pdf>

Extract. « As with previous pandemics, COVID-19 has increased the vulnerability of global supply chains to entry of SFHP [substandard and falsified health products] including medicines, vaccines, and infection preventatives. Standards and toolkits are needed to help protect these products—and ultimately to help protect people worldwide— from this threat during and after the COVID-19 pandemic. USP is providing a number of these toolkits as outlined in the text above, either in cooperation with other organizations (for example, the IMWP dashboard) or as a single institution. »

Ellington B. The Importance of Adherence to Quality Standards in Procurement to Protect the Safety and Well-being of Healthcare Workers during the COVID-19 Pandemic. In: *25th Annual Western Hemispheric Trade Conference*. Texas A&M International University A. R. Sanchez, Jr. School of Business Center for the Study of Western Hemispheric Trade; 2021:163-166. Accessed June 9, 2021. <https://www.researchgate.net/publication/351969835>

Extract. « The limited supply of N95 respirator masks has also created an international black market for counterfeit masks. According to the Department of Homeland Security, “Operation Stolen Promise” has seized more than 11 million counterfeit N95 respirator masks in at least 12 states since the investigation began in April 2020 (ICE, 2021). The latest seized masks are falsely claiming to be produced by 3M, so the manufacturer has set up a fraud section on its web site to help you to recognize the counterfeit N95 masks (3M, 2021). »

Medicrime committee. **Advice on the application of the MEDICRIME convention in the context of counterfeit COVID-19 vaccines.** *Medicrime Conv.* Published online April 27, 2021:1-7. Accessed June 11, 2021. <https://rm.coe.int/advice-covid19-final-e/1680a24573>

Extract. « In 2020, the Committee of the Parties of the MEDICRIME Convention advised Parties, member States of the Council of Europe and other countries on how the Convention could assist in addressing the extraordinary challenges that the COVID-19 pandemic had created for the authorities in such countries. Now that vaccines have been successfully developed to prevent the disease, it is necessary to focus on addressing the emerging challenge facing countries: the production and supply of falsified COVID-19 vaccines. »

MEDSAFE New Zealand Medicines and Medical Devices Safety Authority. **Unapproved COVID-19 vaccines – restriction on importation, manufacture, supply and use.** Policy Statements. Published April 29, 2021. Accessed June 2, 2021. <https://medsafe.govt.nz/Medicines/policy-statements/COVID19/Unapproved-COVID-19-vaccine-restrictions.asp>

Extract. « Why is this action being taken? The government’s goal is to ensure that safe and effective vaccines are available to the New Zealand public to protect the community against COVID-19. Vaccines that have not been approved for use in New Zealand may not meet the required standards for safety and quality – they could be unsafe or ineffective and possibly counterfeit. In order to ensure the public has a reliable supply of vaccine, it is considered important to close off other supply routes that may increase the risk that a vaccine will be

unsafe or ineffective. Unsafe or ineffective vaccines would reduce New Zealand's protection against COVID-19, both for people at high risk and for the whole community. »

Uppsala Reports. **Substandard and Falsified COVID-19 Vaccines in the Americas: Can vaccine equity help?** Uppsala Reports - . Published May 7, 2021. Accessed July 4, 2021. <https://www.uppsalareports.org/articles/substandard-and-falsified-covid-19-vaccines-in-the-americas-can-vaccine-equity-help/>

Extract. « While COVID-19 vaccinations are picking up speed in many wealthy countries, citizens of lower-income countries still face a long wait. In areas of pent-up demand, the supply of substandard and falsified vaccines is growing. Could vaccine equity help mitigate the risk of compromised products? [...] But if there is increased access to COVID-19 vaccines, the wait can shorten and the demand can be attenuated, reducing the incentives for the supply of SF vaccines. Furthermore, if health authorities administer doses to their people at a higher rate, they can reduce the risk of people being exposed to SF vaccines. Expanded access of the vaccine from public to private sector can also increase vaccination coverage and would be viable when manufacturers increase production and reach to all countries. »

Stone J. **How Counterfeit Covid-19 Vaccines And Vaccination Cards Endanger Us All.** Forbes - Heal. Published online March 31, 2021. Accessed May 3, 2021. <https://www.forbes.com/sites/judystone/2021/03/31/how-counterfeit-covid-19-vaccines-and-vaccination-cards-endanger-us-all/?sh=db6523c36495>

Extract. « The black market for Covid vaccines and proof of vaccination is growing rapidly as people tire of restrictions and are anxious to return to normalcy. It is also driven by the inequitable distribution of vaccines, leaving many low- and middle-income (LMIC) countries behind. [...] Fake vaccines—substituting plain salt water for a vaccine, for example—might not cause immediate harm, but may fuel distrust about vaccines' effectiveness. People will falsely assume that they are protected and engage in risky behaviors. Sharing vaccines equitably would also likely slow down counterfeiting drugs, which is particularly a pressure in the poorer countries that don't have access to vaccines that wealthy nations do. »

Additional publications from prior to April 2021

Office of the United States Trade **Representative. 2020 Review of Notorious Markets for Counterfeiting and Piracy.** 2021. Accessed June 28, 2021. [https://ustr.gov/sites/default/files/files/Press/Releases/2020 Review of Notorious Markets for Counterfeiting and Piracy \(final\).pdf](https://ustr.gov/sites/default/files/files/Press/Releases/2020%20Review%20of%20Notorious%20Markets%20for%20Counterfeiting%20and%20Piracy%20(final).pdf)

Extract. « This past year we saw the world adjust to the COVID-19 pandemic, which has significantly affected trends in the trade of counterfeit and pirated goods, as well as the consumption of digital piracy. For example, soon after countries began to go into lockdown, customs authorities began to report significant increases in the seizures of counterfeit personal protective equipment (PPE), medical supplies, and fake COVID-19 cures. Several months later, reports began to surface that COVID-19 lockdowns were leading to a surge in digital piracy, particularly with pirated movies and TV shows. Malware was reportedly added to some pirated content to take advantage of unsuspecting consumers. »

Organisation for Economic Co-operation and Development. **Counterfeiting, Piracy and the Swiss Economy.** 2021. doi:doi.org/10.1787/26175835

Extract. « The COVID-19 pandemic opens new opportunities for profits for criminals running illicit trade networks. Because of the pandemic, people, industry and governments require medicines and protective equipment and this demand often cannot be met in a timely fashion. Notably, the sharp market growth of illicit trade in pharmaceuticals refers not only to COVID-19-

related medicines. Consequently, the COVID-19 pandemic creates additional opportunities for criminals that run networks for trade in illicit pharmaceuticals.[...] Illicit trade in fake medicines infringing Swiss IP rights keeps growing. Interviews with industry experts from Novartis point at the overall growth of 5% of average seizure value in 2020 compared with 2019. Considering the overall drop in enforcement, this suggests that trade in illicit medicines infringing Swiss IP rights has grown by 25% from 2019. Out of all these illicit medicines, 45% are counterfeits, while the remaining 55% came from either theft or diversion. »

6 Lay literature

6.1 Disclaimer & Notes

The information included below is based on the data used to create the Medicine Quality Monitoring Globe⁸ (MQM Globe). It contains publicly available information on the quality of medical products from non-peer-reviewed lay literature. We report the information as it is stated in the articles and can thus be biased towards the authors perspective. It does not necessarily reflect our vision or judgment on the issue. Also, this information usually will not have scientific confirmation. Therefore, the information needs to be interpreted with the greatest caution. We regard the reports as early warnings of potential problems. No or few articles from a region does not imply that the medical product quality there is good, but probably reflects a lack of accessible information. Full disclaimer and caveats can be found at [MQM Globe disclaimer and caveats](#)⁹.

The Google News search tool is used to capture data from online news sources. Articles matching the search terms are loaded into a database and curated by trained analysts. Because the Globe system extracts newspaper articles from journals referenced in Google News only, reports not referenced in Google News would not be captured. [Please consult the IDDO website for full methodology](#)¹⁰. On the 20th of March 2020, the search terms were adapted to capture more papers on substandard and falsified (SF) medical supplies for COVID-19 from Google News. In addition, the Globe system captures some of the United States Food and Drug Administration (US FDA) medical product alerts. In the future, we will extend this feature for the US FDA and to other regulatory authorities.

The articles discussed in the sections below are available in the Globe-reports, in this report's annex C, or on the online MQM Globe using the report ID (six or seven digit code). The MQM Globe-reports are generated with pre-defined search terms, which enable quick access to reports of (a) COVID vaccines, (b) COVID diagnostics, (c) Personal Protective Equipment (PPE), (d) Sanitisers & disinfectants, (e) COVID medicines, and (f) Ventilation & oxygenation equipment and consumables. Only the relevant articles included in the MQM Globe-reports are selected for the current COVID-19 report.

In this report we share details of articles captured by the MQM Globe that are linked to medical products potentially used in the context of COVID-19 or to active pharmaceutical ingredients (APIs) that are being trialled for COVID-19 treatment and/or prevention. In theory there is a distinction between (a) SF incidents that are due to or increased by the COVID-19 epidemic; and (b) incidents that would have happened in any case. It can be difficult to make the distinction between the two

⁸Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe. Web Page. Published 2020. Accessed July 22, 2021. <https://www.iddo.org/medicine-quality-monitoring-globe>

⁹Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe disclaimer and caveats. Web Page. Published 2020. Accessed July 22, 2021. <https://www.iddo.org/medicine-quality-monitoring-globe-disclaimer-and-caveats>

¹⁰Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe methodology. Web Page. Published 2020. Accessed July 22, 2021. <https://www.iddo.org/medicine-quality-monitoring-globe-methodology>

types of incidents and some reports cited below are not directly linked to the treatment of COVID-19. Nevertheless we have included them as they represent crossover risks and help to assess the evolution of the alerts on these medical products over time.

Although oxycodone is being trialled for COVID-19 treatment¹¹, we do not include issues related to oxycodone as the system would become swamped by reports on its inappropriate use and cases of pills laced with fentanyl due to their wide occurrence on the black market.

For this report, we only included data that were published in English. For articles in French, Spanish, Mandarin, and Vietnamese; please consult the online MQM Globe. We will continuously work to improve the MQM Globe. Any remarks or additions to content are encouraged (please write to medicinequality@iddo.org).

Changes in methodology since the last Medical Product Quality Report COVID-19 issues (with data till March 2021)¹²

There were some minor changes in methodology since the last 'Medical Product Quality Report – COVID-19 issues'.

- PPE category: 'face shield' was added to the key terms applied to search the Globe database to compile the PPE Globe-report.
- COVID-19 medicines category: 'Amphotericin' was added to the key terms applied to search the Globe database to compile the COVID-19 medicine Globe-report. Although the product is not used as direct treatment for COVID-19 it has been included in the search terms. Amphotericin is used to treat mucormycotic, a fungal infection increasingly reported in patient that previously suffered from COVID-19.

Please read more about the changes in methodology since the first report that was published in July 2020 in Annex A.

¹¹Hashemian SRM. Evaluation the effects of Oxycodone administration on pain control in patients with COVID-19. Iranian Registry of Clinical Trials. Published June 8, 2020. Accessed October 9, 2020. <https://en.irct.ir/trial/48534>

¹²Infectious Diseases Data Observatory. Medical Product Quality Reports. Medical Product Quality Reports. Published 2020. Accessed March 2, 2021. <https://www.iddo.org/mq/research/medical-product-quality-reports>

6.2 Articles on diverted, substandard or falsified medical products for COVID-19: main characteristics

Since the beginning of the pandemic we have identified 749 relevant articles on quality problems of COVID-19 medical products. In this issue we report on 127 relevant articles: 54 articles for April 2021 and 73 articles for May 2021 (Figure 2). The rise in number of relevant articles is mainly related to the growing number of articles related to COVID-19 medicines. In May we notice also a larger number of articles related to incidents with ventilation & oxygenation equipment and consumables.

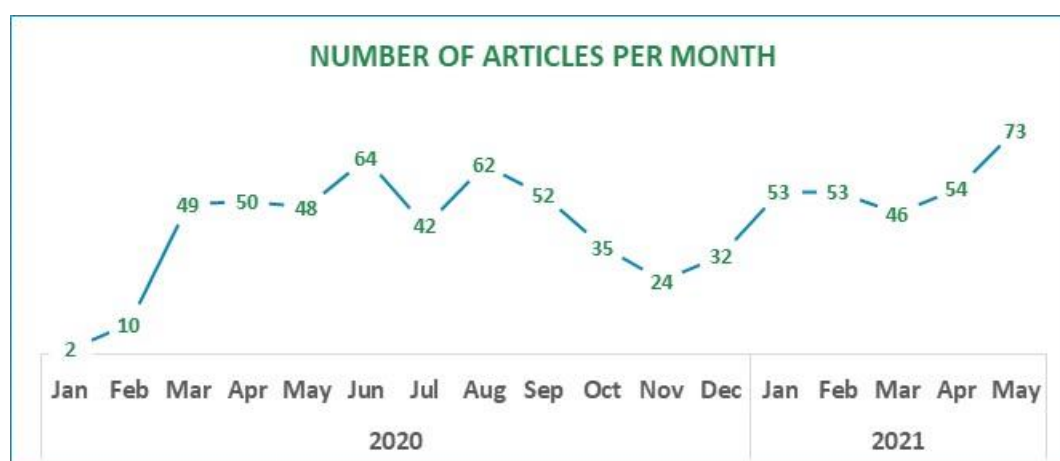


Figure 2. Number of articles on the Medicines Quality Monitoring Globe linked to substandard or falsified COVID-19 supplies by month.

AS SOME ARTICLES DESCRIBE MORE THAN ONE CATEGORY OF PRODUCTS, THE SUM OF ALERTS PER MONTH AS SHOWN IN FIGURE 3 AND 4 MAY EXCEED THE SUM OF ARTICLES PER MONTH OF FIGURE 2.

NOTE (1) SINCE NOVEMBER '20, NON-COVID-19 MEDICINES CONTAINING HIDDEN API(S) THAT IS/ARE USED OR TRIALLED FOR COVID-19 ARE NO LONGER INCLUDED IN THE COVID-19 REPORTS. ONLY MEDICINES FOR WHICH THE STATED API IS USED OR TRIALLED FOR COVID-19 TREATMENT ARE INCLUDED IN THE COVID-19 REPORT. THE OBSERVED DECREASE OF THE NUMBER OF ARTICLES CAN BE AT LEAST PARTIALLY DUE TO THIS CHANGE.

NOTE (2) SEARCH TERMS FOR COVID-19 VACCINES THEFT AND DIVERSION HAVE BEEN ADDED, THE OBSERVED RISE IN THE NUMBER OF ARTICLES FROM JANUARY '21 CAN BE AT LEAST PARTIALLY DUE TO THIS CHANGE.

The articles we discuss for April and May include 135 alerts: 4 alerts on diagnostics, 15 on personal protective equipment (PPE), 15 on ventilation equipment, 17 on sanitisers and disinfectants, 24 on vaccines, and 60 on COVID-19 related medicines. Figure 3 shows the number of alerts for each category by month since the beginning of the pandemic. The number of alerts for each category by week since January 2021 is shown in Figure 4. To see the number of alerts for each category by week since the beginning of the pandemic, please consult Annex B.

For the months of April and May, the MQM Globe reported incidents in India more than any other country; India was experiencing its second wave and the demand for COVID-19 supplies drastically exceeded the supply. Almost two third of the articles (63,8%) reported on diverted, substandard or falsified COVID-19 incidents in India.

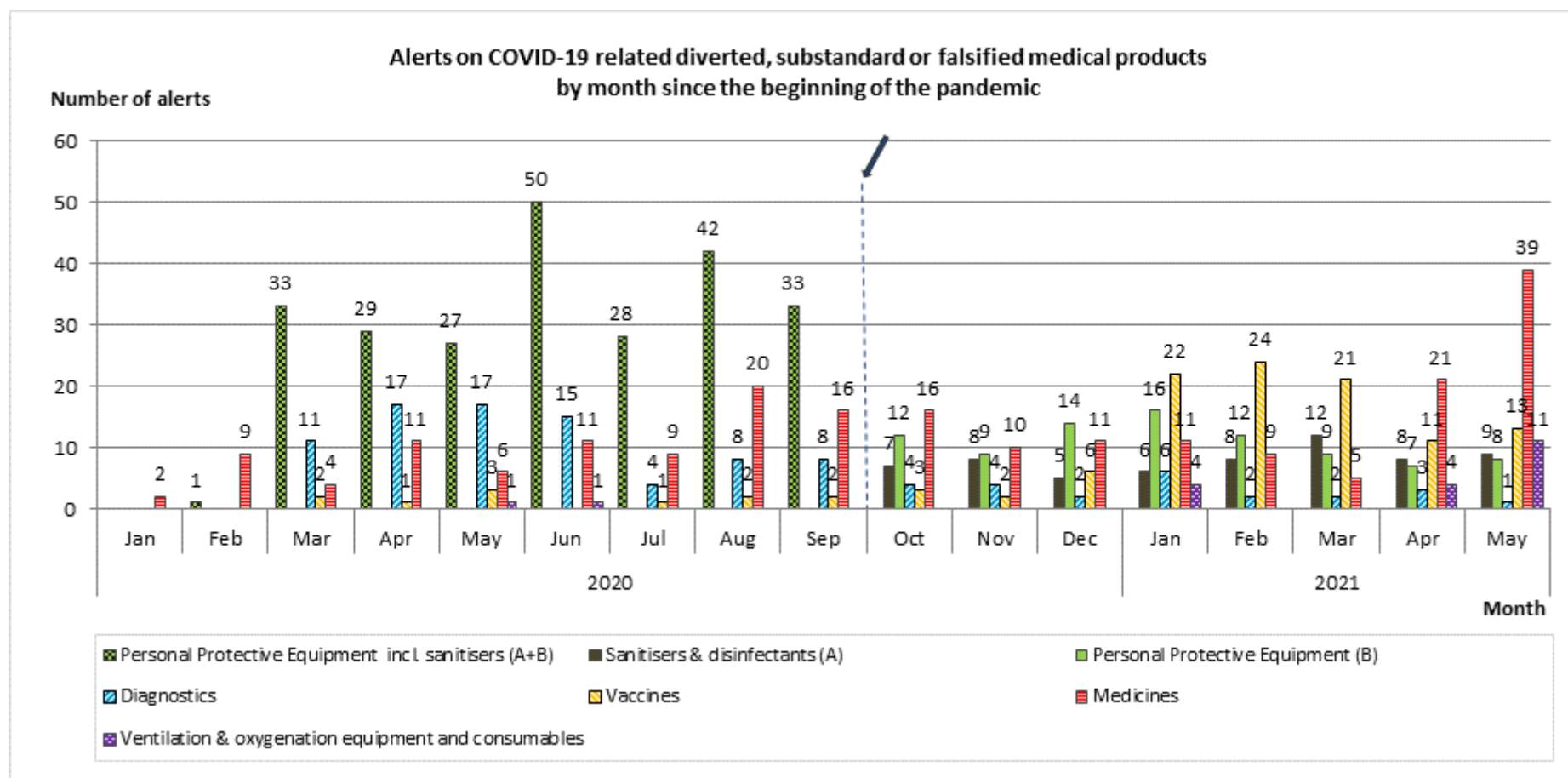


Figure 3. Number of alerts on the Medicines Quality Monitoring Globe by product category and by month.

Alerts are for substandard or falsified products linked to COVID-19. As some articles describe more than one category of products, the sum of alerts per month may exceed the sum of articles per month reported in Figure 2. The arrow indicates the end of September when the category of 'Personal Protective Equipment Incl. sanitisers' was split in two distinct categories: (A) Sanitisers and disinfectants, and (B) Personal Protective Equipment.

NOTE (1). SINCE NOVEMBER, NON-COVID-19 MEDICINES CONTAINING HIDDEN API(S) THAT IS/ARE USED OR TRIALLED FOR COVID-19 ARE NO LONGER INCLUDED IN THE COVID-19 REPORTS. ONLY MEDICINES FOR WHICH THE STATED API IS USED OR TRIALLED FOR COVID-19 TREATMENT ARE INCLUDED IN THE COVID-19 REPORT. THE OBSERVED DECREASE OF THE NUMBER OF ARTICLES ON MEDICINES CAN BE AT LEAST PARTIALLY DUE TO THIS CHANGE.

NOTE (2). SEARCH TERMS FOR COVID-19 VACCINES THEFTS AND DIVERSION HAVE BEEN ADDED, THE OBSERVED RISE IN THE NUMBER OF ARTICLES FROM JANUARY '21 CAN BE AT LEAST PARTIALLY DUE TO THIS CHANGE.

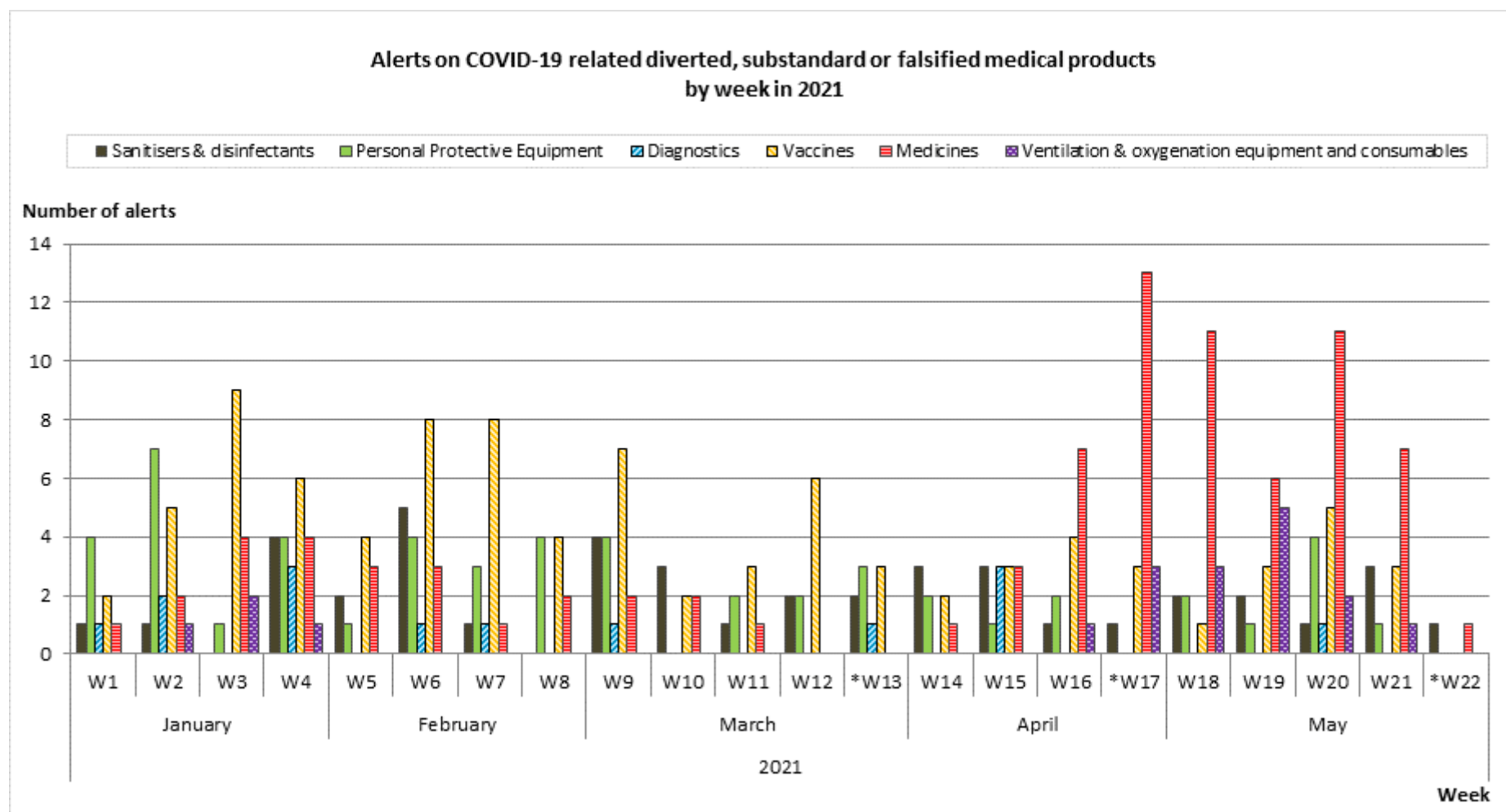


Figure 4. Number of alerts on the Medicines Quality Monitoring Globe by product category and by week in 2021.

ALERTS ARE FOR SUBSTANDARD OR FALSIFIED PRODUCTS LINKED TO COVID-19. THE FIGURE STARTS IN WEEK 1, MONDAY 4th OF JANUARY, 2021 AND ENDS ON WEEK 22, MONDAY 31st OF MAY, 2021. WEEKS WITH AN ASTERISK (*) ARE OVERLAPPING 2 MONTHS, EACH TIME THE WEEK IS ATTRIBUTED TO THE EARLIEST MONTH. AS SOME ARTICLES DESCRIBE MORE THAN ONE CATEGORY OF PRODUCTS, THE SUM OF ALERTS PER MONTH MAY EXCEED THE SUM OF ARTICLES PER MONTH REPORTED IN FIGURE 2. THE ARROW INDICATES THE END OF SEPTEMBER WHEN THE CATEGORY OF "PERSONAL PROTECTIVE EQUIPMENT INCL. SANITISERS" WAS SPLIT IN TWO DISTINCT CATEGORIES: (A) SANITISERS & DISINFECTANTS, AND (B) PERSONAL PROTECTIVE EQUIPMENT.

6.3 Vaccines

The potential impact of the quality issues discovered at the manufacturing plant Emergent BioSolutions, a subcontractor producing both the Johnson & Johnson (J&J) and the Oxford-AstraZeneca COVID-19 vaccine in Baltimore (USA), is increasing in magnitude. In the previous COVID-19 medical product report we noted that 15 million doses of the Johnson & Johnson (J&J) COVID-19 vaccine needed to be discarded in March 2021. All the doses were produced by Emergent BioSolutions. Allegedly, in late February, there was a mix-up between the vectors of J&J and the Oxford-AstraZeneca vaccine. In early April, an article reported that an additional 62 million doses could have been contaminated and needed additional screening (report ID 1011051). In May, the CEO of Emergent BioSolutions said that in total 100 million doses of the J&J vaccines were on hold and needed to be screened for possible contamination (report ID 1071640). The CEO apologized for the quality issues that emerged at his manufacturing plant. The US FDA is conducting a thorough review, and will decide on release or destruction of the potentially affected batches¹³.

6.3.1 April

Diversion

In Florida, USA, ten vials of J&J COVID-19 vaccine were stolen from a refrigerator from a medical centre (report ID 1013423). A police investigation is ongoing. We have seen 2 reports on COVID-19 vaccines that were missing and probably stolen from hospitals in India. In Jaipur, Rajasthan state, 320 doses of Covaxin were allegedly stolen (report ID 1020922). Covaxin is the vaccine produced by the Indian manufacturer Bharat Biotech. It is feared that the doses will be diverted to the black market. In Jind district, Haryana state, a total of 1,710 doses went missing: 1,270 doses of Covishield and 440 doses of Covaxin (report ID 1031435). Investigations are ongoing.

Purported COVID-19 vaccines

In Germany, an investigation is continuing into a nurse who replaced six COVID-19 vaccine doses with saline water (report ID 1038395). The nurse allegedly accidentally dropped the Pfizer/BioNTech vial and to cover up the loss, she replaced the lost doses with saline injections. The case came to light four days after the event when the nurse confided in her colleague.

¹³ Meanwhile on June 11 2021, the US FDA shared in a press release that it allowed for the release of 2 batches of J&J COVID-19 vaccine that are suitable for use. At the same time they announced that some batches are still under review and several other batches were found to be not suitable for use because of possible contamination. Source: U.S. Food & Drug Administration. FDA Takes Steps to Increase Availability of COVID-19 Vaccine. Press Announcements. Published June 11, 2021. Accessed June 21, 2021. <https://www.fda.gov/news-events/press-announcements/fda-takes-steps-increase-availability-covid-19-vaccine>

An article in the Wall Street Journal reported on the seizure of falsified COVID-19 Pfizer/BioNTech vaccines in an apartment in Poland (report ID 1030129). According to Polish authorities no one received the falsified vaccine that was reported to contain an antiwrinkle treatment. Articles in the Polish press reported some additional information^{14,15}. In mid-January a journalist bought 2 vials online of purported Pfizer/BioNTech COVID-19 vaccine. Analysis by the Jagiellonian University showed that it was a falsified vaccine. A separate analysis, apparently by Pfizer, allegedly showed the vials contained some hyaluronic acid. The seller was detained in January. The suspect was already being followed by the police for suspected online COVID-19 vaccine offers.

Information shared by PAHO

The Pan American Health Organization (PAHO), published a warning that COVID-19 vaccines not bought through the official recognized system are considered to be falsified and a risk for public health¹⁶. In the warning PAHO says it has reports of falsified and unauthorised vaccines amongst others in Bolivia, Colombia and Mexico (report ID 1034582). In another article, during an interview the Deputy Director of PAHO, Jarbas Barbosa, said PAHO received information on illegal COVID-19 vaccines sold through social networks in Mexico, Argentina and Brazil (report ID 1030705). He highlights that these vaccines are probably falsified or diverted and that good storage conditions cannot be ensured. In previous issues of the COVID-19 medical product reports, we reported on lay press articles dealing with SF COVID-19 vaccine issues in Colombia, Mexico, and Brazil. In February, AGEMED the Medicines Regulatory Authority of Bolivia had issued an alert¹⁷ on illegal offers of Sputnik V vaccine on social media. However, only now with the recent lay press articles on the PAHO press release and the interview with the deputy director of PAHO, lay press articles in the MQM Globe are referring to reports for falsified or unauthorized vaccines in Bolivia and of illegal COVID-19 vaccines in Argentina.

Miscellaneous

The Korea Disease Control and Prevention Agency ordered a recall of Doowon Meditec defective syringes used to administer the AstraZeneca COVID-19 vaccine (report ID 1025296). There are reports that the low dead space syringes produced by the local manufacturer Doowon Meditec, had a wrong scale marking and contained contaminants. At the time of the recall 500,000 syringes had already been

¹⁴ "Raport": zarabiają na strachu przed epidemią. Czarny rynek szczepionek nadal kwitnie - Polsat News. Accessed May 7, 2021. <https://www.polsatnews.pl/wiadomosc/2021-03-02/raport-zarabiaja-na-strachu-przed-epidemia-czarny-rynek-szczepionek-nadal-kwitnie/?ref=article>

¹⁵ Fałszywe szczepionki w Polsce. "To powszechnie dostępny środek" - Polsat News. Accessed May 7, 2021. <https://www.polsatnews.pl/wiadomosc/2021-04-22/fałszywe-szczepionki-w-polsce-to-powszechnie-dostępny-srodek>

¹⁶ Pan American Health Organization. PAHO warns against getting COVID-19 vaccines outside of official channels. News. Published April 22, 2021. Accessed April 30, 2021. <https://www.paho.org/en/news/22-4-2021-paho-warns-against-getting-covid-19-vaccines-outside-official-channels>

¹⁷ Agencia Estatal de Medicamentos y Tecnologías en Salud. Ofertas y Comercialización Fraudulenta Por Redes Sociales de Vacuna Contra Covid-19. Alerta Medicamentos Ilícitos - N°001/2021. Published February 8, 2021. Accessed April 20, 2021. https://www.agemed.gob.bo/archivos_vigilancia/alertas_nac/alerta-1-2021.PDF

used to vaccinate people; the remaining 700,000 syringes were recalled. Problems are reported for some serial numbers but all syringes were recalled out of precaution. An investigation is ongoing looking into the quality and safety concerns.

In the USA, an article reported on a pharmacist, a Director of pharmacy at a hospital in Illinois, who was selling empty COVID-19 vaccine vials (report ID 1043609). The empty vials were offered as a pair, one Pfizer/BioNTech and one Moderna vial, on Craigslist as “Own a piece of history”. The sale of empty COVID-19 vaccine vials might attract criminals wanting to produce falsified versions; nevertheless the pharmacist claimed he did not realise selling empty vials was problematic. The pharmacist did violate the applicable guidelines for vaccine packaging disposal. The same article suggests that an offer on eBay, for 28 pairs of vials that have been sold, was published by the same person.

At a clinic in Colorado Springs (USA), 3,150 doses of the Pfizer/BioNTech COVID-19 vaccine had to be thrown away (report ID 1021500). There were concerns of a lack of consistent temperature monitoring and possible temperature excursions. After an investigation, the Colorado Department of Public Health and Environment (CDPHE) confirmed that the vaccines storage and handling were substandard. Almost 4,000 people had already been vaccinated at the clinic, and it was recommended that they should be revaccinated with two doses of the Pfizer/BioNTech vaccine.

6.3.2 May

Theft and diversion

In the USA, 2 incidents of stolen COVID-19 vaccines were reported. At a dental practice in Washington, 100 vials of J&J COVID-19 vaccine were stolen together with medical equipment and a vial of Botox (report ID 1043734). A few days later an article reported that the COVID-19 vaccine vials were found in bushes and the suspect was arrested¹⁸. In Minnesota, a medical clinic reported the theft of a Pfizer/BioNTech vaccine vial (report ID 1057163). An investigation is ongoing, the suspect allegedly recorded and posted the theft on social media.

We report on 3 cases of theft and diversion linked to COVID-19 vaccines in India. In Maharashtra state, the police are investigating a case where thieves broke into a health facility and stole 300 vials of vaccines destined for different types of child immunization (report ID 1078285). All the stolen vials bore labels of the Serum Institute of India. The police suspects that the criminals were looking for the Covishield COVID-19 vaccine produced by the Serum Institute of India. During an audit in a health centre in Andhra Pradesh state, a doctor noted that 40 doses of Covishield were missing (report ID 1063860). Three health care workers are suspected of the theft, that probably took place during transport from the cold chain storage to the vaccine centre. In Bangalore, Karnataka state, two women were arrested for allegedly illegally selling COVID-19 vaccines (report ID 1068658). The

¹⁸ Winsor M. Authorities arrest man accused of stealing 100 vials of COVID-19 vaccine. abcNEWS. Published May 6, 2021. Accessed June 7, 2021. <https://abcnews.go.com/US/authorities-arrest-man-accused-stealing-100-vials-covid/story?id=77526515>

vaccines should have been administered for free to the public but were sold for Rupee (Rs) 500 (approximately 6.8 USD) per dose. After the police was alerted about the illegal practice, they posed as potential buyers after which the women were caught.

Fraudulent offers

Dr Reddy, an Indian pharmaceutical company that is the official distributor for Sputnik V in India, started legal action against entities offering fraudulent Sputnik V vaccines (report ID 1078624 in Chinese). Although Dr Reddy reported no third party agreement for the distribution, they received several reports of entities offering the Sputnik V COVID-19 vaccine in different locations in India.

At Silchar Civil Hospital in the state of Assam (India), hospital officials were allegedly involved in the black market of COVID-19 vaccines (report ID 1086365). An investigative journalist reported on an alleged unauthorised COVID-19 vaccine centre selling vaccines of unknown quality. A witness was said to have paid Rs 1,000 (approximately 13.7 USD) for a vaccine shot. The superintendent of the hospital claims not to be aware of a secret vaccination chamber. One of the alleged employees says the centre is officially open for waste management, collecting unused doses in open vials and administering them to ensure zero wastage. However, several aspects of the vaccination room reported did not seem compliant with regulatory guidelines and no medical waste management was in place. Three open vaccine vials were found, and the journalist suggested that at least 30 vaccine doses were diverted or even more since at least 50 used vaccine syringes were found. A video revealed that empty Covaxin and Covishield vials were found on the spot.

Online and dark web offers

In an article one of the regional directors of Pfizer global security revealed falsified Pfizer/BioNTech COVID-19 vaccines being sold online that allegedly appear to be made with pesticides and wallboard (report ID 1095520).

Several articles reported on COVID-19 vaccine offers on the dark web. We report on two of these articles in which concrete examples are highlighted. One article gives examples of offers of Sputnik V, 1,000 doses for 4,000 USD, and Pfizer/BioNTech, 800 doses for 20,000 USD (report ID 1048306). The other article gives examples of COVID-19 vaccine offers¹⁹ from Pfizer-BioNTech for 500 USD and 10 Moderna vaccines for 2,000 USD (report ID 1069276). The sellers are advertising products on 'clear web' apps (such as WhatsApp, Gmail, Wickr, and Telegram) and refer to products on various dark web marketplaces. The advertisements claim the vaccines are coming from the USA or the United Kingdom. The articles suggest that probably many of the online vaccine offers are fake. Some of them might be stolen genuine vaccines, for which the quality cannot be guaranteed due to irregularities in the cold chain management.

¹⁹ It is not clear from the article if the price is per dose or vial.

In addition to the COVID-19 vaccines, both articles discussed above report on the offer of fake vaccination certificates and fake test results. The cybersecurity firm FireEye Inc, a US based company, links the offer of the three types of products (vaccines, vaccination certificates and test results) to an increased demand for immunization in Europe (report ID 1048306). Currently many European citizens are not vaccinated yet but in order to travel they need to prove they are vaccinated or have a negative COVID-19 test result. According to research from the cybersecurity company McAfee, offers of falsified COVID-19 vaccination certificates and test results have outnumbered the COVID-19 vaccine offers since mid-April 2021 (report ID 1069276). McAfee links the observation to people who did not have the chance to get a vaccine yet or are not willing to get vaccinated but need the certificates in order to attend certain activities and events.

Miscellaneous

In the USA, concerns were reported over the quality of possibly 16,000 administered Pfizer/BioNTech COVID-19 vaccines (report ID 1067060). Centers Urgent Care, a health care company that is running several vaccination sites in New York City, is being sued by a former employee. The higher management allegedly instructed the vaccinators to over dilute the Pfizer/BioNTech vaccine vials in order to be able to draw 7 doses instead of the regular 5 to 6 doses. Over dilution of the vaccine might lead to reduced efficacy. The medical director of the company refuted the allegations. During a recent visit, the New York City Health Department could not identify irregularities.

In Uttar Pradesh state in India, an investigation started after 29 syringes filled with alleged COVID-19 vaccine were found in a dustbin in a Health Centre (report ID 1074206). It could represent fake vaccination in which the vaccinator pretended to give the injection but withdrew the needle without injecting the liquid. The motives for this action are unclear. There is no information on the quality of the vaccine and what the syringes actually contained. However if the syringes were filled with genuine COVID-19 vaccines, such actions will clearly lead to reduced effectiveness of vaccination programmes, leading to people thinking that they are protected when they are not.

6.4 COVID-19 diagnostics

6.4.1 April

In April, three falsified COVID-19 diagnostic test incidents were detected. In Dhaka, Bangladesh, nine people were arrested by the Rapid Action Battalion (RAB) for manufacturing and marketing substandard, falsified and unlicensed testing kits for COVID-19 along with other medical equipment (report ID 1024193). The individuals arrested were allegedly from three different organizations: BioLab International, Axon Technologies and Services Ltd, and Hi Tech Health Care Ltd. In Manila, Philippines, the national police seized over 30 million Philippine Peso (P) (approximately 6 million

USD) worth of fake COVID-19 test kits in an operation (report ID 1021704). In the UK, the Department of Health and Social Care warned the public of the risk of inauthentic COVID-19 testing kits sold online (report ID 1022574). The article reports mainly the sale of 'Innova' testing kits sold in a box of 25 for £150 (approximately 200 USD) on social media sites such as Facebook.

6.4.2 May

In May, only one report of substandard and falsified COVID-19 diagnostic tests was found. McAfee, a cybersecurity company, found COVID-19 antibody home test kits for sale for 152 USD each on the dark web (report ID 1069276). The brands of testing kits found on the dark web include 'Nova Test', and the authenticity of the testing kits could not be verified.

6.5 Personal protective equipment

6.5.1 April

One Canadian report explained the results of a study that showed KN95 and KF94 masks purchased from Amazon, Walmart and sites such as WELL.Ca might be substandard as they failed to meet the filtration efficiency standard of 95% (KN95) or 94% (KF94) (report ID 1005307). Fourteen KN95 and KF94 respirator brands were purchased from Amazon and big-box stores, and half of the brands failed to meet the standard. Some masks purchased on Amazon have a filter performance of approximately 20%, much lower than the efficiency standard. Other masks in circulation were lower than the efficiency standard by less than 2%; these masks were sold in Home Depot, Home Hardware, and Amazon. It is important to note that many KN95 and KF94 masks purchased on Amazon, Lowes, Costco, and Dollarama meet the filtration standard. The report found that many of the masks that failed to meet the filtration standard have the FDA logo on the product packaging although no masks provided by the private sector are authorised to do so.

Another Canadian report highlighted the recall of disposable masks issued by Health Canada (report ID 1005409). The agency advised the public to avoid masks containing graphene or biomass graphene because preliminary research suggests they cause early lung toxicity in animals; however, the risk to humans is not yet known.

In April, reports mentioned that falsified face masks reached hospitals in the USA (report ID 1007639). A hospital worker at a Massachusetts hospital noticed a shipment of 30,000 falsified 3M N95 surgical face masks that potentially could have risked the health of frontline medical workers. The plastic of the primary packaging and labels on the face masks' secondary packaging was different from the regular shipments.

In Manila, Philippines, P65 million (approximately 1.3 million USD) worth of smuggled electronic items and counterfeit personal health care products and devices were seized (report ID 1033977). These items included fake 3M and KN95 face

masks, respirators and the Aidelai brand of face mask, which the government does not license for distribution in the Philippines. In addition, US Customs and Border Protection (CBP) at the Houston Seaport intercepted a shipment of falsified N95 masks worth 350,000 USD that allegedly originated in China (report ID 1023154). Over 171,000 of the masks seized had the National Institute for Occupational Safety and Health (NIOSH) logo on their packaging. In the Houston area of operations alone, more than 2 million counterfeit PPE masks were seized between January and March 2021, a significant jump compared with 2020. The US CBP has seized approximately 18 million falsified masks in the first three months of 2021 alone. This is a significant increase compared to 12 million in 2020 and only 1,300 falsified masks in 2019.

In Indonesia, local news outlets recently reported fake medical grade-labelled face masks being openly sold online and at physical stores (report ID 1007105). These include surgical masks and KN95 masks that do not comply with the ministry's standards.

The authorities in Singapore reported more than 41,000 allegedly falsified masks seized during an operation, resulting in an arrest of a 34-year-old man (report ID 1029657). Tests are being conducted on the suspected trademark-infringing respirators, worth over 201,000 USD, to ascertain if they are falsified.

6.5.2 May

In May an article reported further on the issue that the U.S. federal government seized 3.6 million USD from the bank account of Med-Tech Resource LLC, involved in an agreement to sell the state 4.5 million USD in overpriced falsified N95 masks (report ID 1063771). Allegedly the company sold 1.8 million falsified 3M masks to the state of Maine. The masks had misspelt or missing markings or approval numbers by the National Institute for Occupational Safety and Health.²⁰

A hospital network based in Ohio (USA), Kettering Health Network, is suing 'Fully Protected' for more than \$1.2 million, accusing the company of delivering 300,000 falsified N95 and 3M in December 2020 (report ID 1051017).

An article reports that the Consumers Association of Singapore noticed that amongst the complaints they receive regarding online crime, surgical masks were the most common product (report ID 1095520). The same article also reported that as of April 19 2021, the company 3M has investigated 13,800 reports linked to fraud involving respirator and mask and had filed 33 lawsuits in the USA and Canada.

In India, the NGO Friends of Wadala East placed a bulk order on Amazon on the 2nd of May for 400 surgical masks for healthcare workers (report ID 1071075). The masks were delivered on the 8th of May but were substandard and did not conform

²⁰ Medicine Quality Research Group, University of Oxford. Medical Product Quality Report – COVID-19 Issues. Issue 9, February 2021], we reported that the state of Maine was affected by a national recall on N95 masks with falsification issues. The state authorities had distributed approximately 161,000 masks of the affected batch to health care facilities, schools and state employees.

to the description advertised. The article did not specify the nature of the substandard masks.

In the U.K., the City of London Police seized 25,000 falsified face masks originating from Hong Kong (report ID 1046581). The police assumed that the masks were going to be advertised and sold online as medical grade masks. In the Philippines, boxes of suspected falsified face shields, worth estimated at P70 million (approximately 1.4 million USD), were seized by the National Bureau of Investigation-National Capital Region (NBI-NCR), Bureau of Customs, and Philippine Coast Guard (Report ID 1068555). Furthermore, two tons of surgical gloves were seized in Tanza, Philippines. Neither articles specified the brands or type of face masks, shields and gloves that were seized.

In Oman, one type of face mask was found to be contaminated with dust and impurities and examination showed that the masks did not meet the quality standards (report ID 1081084). The Ministry of Health in Muscat, issued a circular to withdraw and suspend the circulation of masks with the affected registration number. Note that the report did mention a registration number, but did not state the manufacturer, nor the type of face mask.

In Australia, fashion giant 'Mosaic Brands' has been fined \$630,000 after admitting to false, misleading and deceptive marketing face masks and hand sanitizers at the height of the COVID-19 pandemic (report ID 1084248). The breaches included advertisements on masks certified by European and US standards, when they were not.

6.6 Sanitisers and disinfectants

In April and May, there were 17 reports of substandard and falsified sanitisers across seven countries.

US FDA

The US FDA published warning letters in April and May to 5 different Mexican companies and one Chinese company concerning the quality of their hand sanitisers. The goods were detained and refused admission at the US border because they were adulterated and not approved by the US FDA.

For 'Hou Fu Biotech - Jiangsu Co., Ltd' the hand sanitiser was wrongly labelled to contain 70% v/v ethanol. However, the FDA laboratory testing of a batch of this product found that the sanitiser contained an average of 45% ethanol (report ID 1028564).

For 4 companies, the hand sanitisers were wrongly labelled to contain 70%v/v ethanol, but the ethanol was substituted wholly or in part with methanol. This was the case for 'C&G Laboratorios SA de CV' with an average of 1.1% ethanol and 65% methanol v/v (report ID 1056092), for 'Roque Plast S.A. de C.V. Roque Plast' with an average of 38% ethanol and 25% methanol v/v (report ID 1019654), for 'MYM Hidrominerales S.A. de C.V.' for which the batches contained on average 0.05% v/v

ethanol and 79 % v/v methanol (report ID 1019652), for 'Incredible Products, SA de CV' with an average of 1.2% ethanol and 67% methanol (report ID 1083350), and for 'Neogenium Labs, SA de CV' with an average of 9.6% ethanol and 58% methanol (report ID 1009118) .

In the USA, online pharmacy 'Valisure' detected benzene as well as contaminants that are potential carcinogens in several batches across multiple brands of hand sanitizers by independently testing the medications it sells (report ID 1041850). Valisure asked the US FDA to request an immediate recall of the affected batches. The US FDA announced that 'Scentsational Soaps & Candles' issued a voluntary nationwide recall of scented hand sanitizers due to the presence of benzene, methanol, and acetaldehyde from stores such as Ulta Beauty, TJ Maxx, and Marshalls retail stores.

India

Five articles on substandard and falsified sanitizers were recorded in India in the months of April and May.

In Chennai, Tamil Nadu state, the state drug control department booked 132 companies for producing and selling substandard hand sanitizers during the pandemic (report ID 1024996). The companies were using high levels of toxic methanol while preparing sanitizers. Samples were collected from around 300 locations including retail pharmacy stores, wholesalers, distribution points, and manufacturing units. A laboratory analysis showed that 82 sanitizers did not meet prescribed standards; 32 sanitizers contained adulterated content, two sanitizers were falsified and 48 sanitizers were substandard.

In Raipur, Chhattisgarh state, the police department and FDA seized a collection of adulterated sanitizers from the premises of a cloth businessman (report ID 1051442). Fourteen thousand litres of adulterated sanitizer were recovered and the sanitizer contained a mixture of methyl alcohol and other hazardous materials.

Another article reported on an analytical report in India sent by the State Drug Control and Central Drug Control Authorities, revealing that 11 samples of hand sanitisers failed the test (report ID 1079370). Out of these, four samples were declared as falsified while six samples as 'Not of Standard' quality and one sample as 'misbranded'.

In Surat, Gujarat state, the Prevention of Crime Branch Team caught a falsified hand sanitizer manufacturing and distribution racket operating from a farm in Mota Varachha (report ID 1053408). The sanitizers being produced contained methyl alcohol, i.e. methanol, which can prove dangerous to health. The police recovered valuables worth Rupee (Rs) 7.93 lakh (approximately 11,000 USD) and arrested three individuals. Nearly 1,200 litres of methanol, 900 litres of falsified sanitizer, and 1,300 containers and other material were seized.

In Vijayawada, Andhra Pradesh state, several street vendors were reported as becoming part of a chain selling falsified sanitisers which fail to meet quality standards (report ID 1082549). Organised rackets in the city were described as

diluting alcohol content and manufacturing duplicate sanitisers not protecting the public from viruses.

Cambodia

Two articles on falsified sanitisers in Cambodia were reported in April and May. According to the Ministry of Commerce's General Directorate of Consumer Protection, Competition and Fraud Repression (CCF), more than 40 tonnes of falsified alcohol sanitisers have been seized in Cambodia since February 2020 (report ID 1065853). The falsified sanitisers were sold in many ways, including on social media. In one day in May 2021 alone, CCF officials confiscated 183 cans – more than 5,000 litres – of falsified alcohol sanitiser in Prey Sar commune's Prakar village in Phnom Penh's Dangkor District. During 2020, the CCF seized and burned 94 tonnes of falsified alcohol sanitiser and some of the seizures resulted in arrests (report ID 1011036). The sale of falsified alcohol-based sanitising solutions and gels decreased in the first three months of 2021, as greater awareness spread within the business community about the issue. Recently, out of 78 samples taken and tested for analysis, only two of them turned out to be falsified.

Various

Since the beginning of 2021, Health Canada recalled 37 hand sanitizers not meeting the health agency's requirements: in April the list held 27 products, in May it was updated to 37 (report IDs 1059219 & 1007871). These include brands that contain ingredients that are not permitted by Health Canada (such as ethyl acetate, methanol and 1-propanol); have improper labelling; are missing risk statements; are unauthorized for sale in Canada; are being sold without proper product testing; are falsified; or have defective packaging.

In Australia, fashion giant 'Mosaic Brands' has been fined \$630,000 after admitting to false, misleading and deceptive marketing of hand sanitisers and face masks at the height of the COVID-19 pandemic (report ID 1084248). The breaches included inaccurately advertising hand sanitiser as containing 70% alcohol, when it actually only contained 17%.

6.7 COVID-19 medicines



Figure 5. Incidents of diverted, substandard and falsified COVID-19 medicines in India between 1st of April till 31st of May 2021.

SOURCE: [Medicine Quality Monitoring Globe](#)

In April and May most of the reported incidents (60) concerned diverted, substandard or falsified (SF) COVID-19 medicines. All but one of the detected articles on COVID-19 medicines reported incidents in various states in India (Figure 5). The diverted and SF medicines reported include, amongst others, remdesivir, amphotericin B and tocilizumab. This report highlights a surge of diversion and falsification of remdesivir that was not seen in previous reports. Out of the 60 articles on COVID-19 medicines, 53 (88.3%) reported on remdesivir.

The official price of a remdesivir vial in India is Rupee (Rs) 2,450 (approximately 30 USD)²¹, but the articles below show that it is being sold for much more than this. Often articles that report on sales on the black market do not mention whether the products are genuine or falsified. If

the article mentioned the products are falsified, we report it under the relevant header of falsification. In the section on black market sales, we report on articles that do not specifically mention the quality of the product. We regard black market sales as diverted. We argue that products sold on the black market are a problem for the following reasons. Firstly, they are taken from people that were supposed to receive the product. Secondly, products on the black market risk degradation due to improper handling and storage. Currently, the reports do not provide evidence on degradation of products on the black market since it is not something that is investigated at the moment. We use the term black market when the article uses it.

We tried to order the incidents by medicine involved and by quality issue. Due to the large number of articles on Remdesivir, they are subdivided by the Indian states or territory in which the incident is reported to have taken place or where the arrest or seizure took place. Some articles discuss several medicines or several incidents, and some incidents are not straight forward to classify; thus the subdivision might be arbitrary. We only discuss the articles once below even if they could be classified under different subheadings.

²¹ Business Standard. Govt slashes Remdesivir price by half to Rs 2,450 with retro-effect. News. Published April 17, 2021. Accessed July 1, 2021. https://www.business-standard.com/article/current-affairs/govt-slashes-remdesivir-price-by-half-to-rs-2-450-with-retro-effect-121041700373_1.html

6.7.1 April

Out of the 21 reports in our MQM Globe in April on medicines trialled or used in the treatment of COVID-19, only 2 reports did not mention remdesivir. The first article reports that 'Sun Pharma' recalled over 13,800 bottles of Riomet (metformin hydrochloride oral solution) in the USA due to 'Microbial Contamination of Non-Sterile Product' (Report ID 1071719).

The second article reported on 25 individuals in 12 states in India, marketing 'medicines' worth five crores (approximately 670,000 USD; report ID 1025572). They were involved in producing and selling "*spurious COVID-19 drugs*". The stocks produced by the racket in the last year have been seized. Tests confirmed Dewciff-AZ tablets (Cefixime, Azithromycin and Lactic Acid Bacillus tablets), Azidew-250 (Azithromycin tablets), FIXRAT-AZ and four other brands of tablets contained no active ingredients. The falsified tablets were stated to be manufactured by HPHIN Pharmaceuticals, a fictitious manufacturer's name, and reported to be manufactured at 'Kancare Pharmaceuticals Private Limited' in Uttarakhand.

6.7.1.1 Falsified remdesivir

Delhi, India's capital territory

The Indore Police Crime Branch arrested the owner of a pharmaceutical company in Rani Bagh, Delhi, for selling falsified remdesivir injections (report ID 1022987).

Approximately 400 remdesivir vials were seized and were expected to be sold for Rs 20 lakh (approximately 27,000 USD) in the black market. Note that the article did not include the name of the pharmaceutical company allegedly involved.

Gujarat state

Surat Police detained a man who allegedly sold six falsified remdesivir vials, six vials for Rs 42,000 (approximately 570 USD), to a person whose relative was admitted to a hospital at Yogi Chowk (report ID 1032835).

The Ahmedabad Police's Detection of Crime Branch arrested seven individuals and seized 133 vials of falsified remdesivir injections (report ID 1041604). The suspects were selling the remdesivir injections for Rs 12,000 (approximately 160 USD) per vial but they contained Piperacillin and Tazobactam rather than remdesivir and were found in fake 'Hetero' and 'Jubliant' primary packaging; two large pharmaceutical companies in India that produce remdesivir. The manufacturing of the falsified remdesivir was allegedly conducted by Maheshwari Pharmaceutical and Surgical company.

Haryana state

An individual allegedly sold over 650 remdesivir vials on the black market (report ID 1045813). The labels on the vials were suspected to be falsified, but the nature and quality of API was yet to be determined.

Karnataka state

Bengaluru Crime Branch seized 5 vials of falsified remdesivir and apprehended a pharmaceutical company executive allegedly trying to sell the vials for Rs 14,500 (approximately 200 USD) per vial (report ID 1028445).

In Mysuru, police discovered a racket selling falsified remdesivir (report ID 1027311).

They arrested a nurse who had allegedly sold over 800-900 falsified remdesivir vials with the help of two medical representatives. The nurse allegedly filled used, empty vials with cheap antibiotics or saline solution.

Madhya Pradesh

Ratlam police arrested seven persons, including a nurse, for allegedly selling falsified remdesivir vials (report ID 1038869). Used empty vials were filled with Monocef salt, and Ceftriaxone injection powder and the packaging was provided by the nurse.

Maharashtra state

In Baramati, rural police arrested four persons for selling falsified remdesivir vials, three of which were filled with paracetamol in liquid form, for Rs 35,000 (approximately 470 USD) per vial (report ID 1025236).

One article reports falsified remdesivir sold on online communication platforms for Rs 18,000 (approximately 240 USD) for six bottles (report ID 1030140). The vials were delivered to a patient's home in Mumbai, but rather than remdesivir, a powder was found in the vials. The nature of the powder in the vials was not stated in the article. In another incident in Maharashtra state, two X-Ray technicians were arrested for selling falsified remdesivir vials filled with water for Rs 28,000 (approximately 380 USD) to someone whose relative was admitted to a COVID-19 facility (report ID 1031973).

In an incident in Beed city, three people were arrested for allegedly selling falsified remdesivir vials, which contained nothing but saline water for Rs 22,000 (approximately 300 USD) per vial (report ID 1066963). One of the detainees worked as a pharmacist at a city-based hospital, who filled previously-used vials of remdesivir with the saline water.

Telangana state

In Nizamabad, two people were arrested for selling falsified remdesivir vials filled with saline water for Rs 35,000 to Rs 40,000 per vial (report ID 1041847).

Uttar Pradesh state

The Uttar Pradesh government seized 25,000 vials of remdesivir in Ahmedabad (report ID 1033631). The packaging on the vials had mistakes in the spelling for example 'prescribin' (instead of a prescription), 'introvenous' (instead of intravenous) and 'preservactica' (instead of preservative). Remdesivir is misspelled as 'Redmdesivir'. The article does not specify the quantity of the falsified products nor whether the active ingredient was present.

Uttarakhand state

The Delhi Police arrested five people and discovered a 'pharmaceutical' unit located at in Kotdwar, Uttarakhand state (report ID 1041873). The unit was manufacturing large quantities of falsified remdesivir injections and the accused have already sold 2,000 falsified vials for Rs 25,000 (approximately 340 USD) per vial. During the raid 196 fake remdesivir injections and 3,000 empty vials were seized.

6.7.1.2 *Diversion and black-market sale of COVID-19 medicines*

Maharashtra & Uttar Pradesh state

The Mumbai Police Crime Branch arrested two people after confiscation of 284 remdesivir injections allegedly meant for illegal sale for a price of Rs 5,000-6,000 (approximately 70-80 USD) (report ID 1052017). Initially the police caught a person illegally carrying twelve remdesivir vials. This incident led to the seizure of more than 272 remdesivir injections from a pharmacy in Mumbai.

Another article reports on another incident in which the Mumbai Police Crime branch seized 34 vials of remdesivir and arrested five people for selling the drug for Rs 20,000- 25,000 (approximately 270-340 USD) per vial (report ID 1038668). The same article reports on the arrest of eight persons in Meerut, Uttar Pradesh state, for illegally selling remdesivir for up to Rs 30,000 (approximately 400 USD) per vial.

Gujarat state

Ahmedabad police seized 24 vials of diverted remdesivir and arrested three individuals after a raid in a shop in the Bapunagar area (report ID 1041435)²². One suspect worked as 'plant operator' at Zydus Biotech Park, that is manufacturing remdesivir. He allegedly sold the remdesivir to an intermediary who sold it to the third suspect who was selling the remdesivir to relatives of COVID-19 patients.

Tamil Nadu Police

The Tamil Nadu Police arrested three individuals, including a doctor, involved in the black marketing of remdesivir (report ID 1058645). The doctor was caught carrying 17 vials of remdesivir which he bought for Rs 8,000 (approximately 100 USD) per vial and then tried to sell each vial for Rs 20,000 (approximately 270 USD).

6.7.2 May

In May we recorded almost double the number of incidents with COVID-19 medicines compared to April. As for April the vast majority of articles report on incidents with remdesivir. All the reported incidents with COVID-19 medicines were in India.

6.7.2.1 *Falsified amphotericin B*

Mucormycosis or "black fungus" is an important secondary infection in COVID-19 patients, treated with amphotericin B. In April, only one incident was reported with amphotericin B. In May, three articles reported issues with amphotericin B in India. An article reported that in Ahmedabad, Gujarat state, five people were arrested for trying to sell black market amphotericin B (report ID 1068983). Officials of the Food and Drug Control Administration (FDCA) and Gujarat police arrested the five accused from different parts of the city, with eight vials of amphotericin B, worth Rs 2,518 (approximately 30 USD). The accused sold a vial of the drug worth Rs 314 (approximately 4 USD), for Rs 10,000 (approximately 130 USD). Since the injections did not have any labels, officials believe that they were falsified and the vials were

²² The same article reports on another incident that was already discussed above when discussing report ID 1041604.

sent to a laboratory to ascertain the contents.

Another article reported that two 'medicine shop' owners in Allahabad, Uttar Pradesh state, were arrested for selling falsified Liposomal amphotericin B injections (report ID 1084089). In addition, in Kanpur, Uttar Pradesh state, two people were arrested with 68 vials of falsified liposomal amphotericin B supplied to Kanpur hospitals at an exorbitant price of Rs 11,000 (approximately 150 USD) per vial (report ID 1077712).

6.7.2.2 Falsified favipiravir

One of the articles published in May highlights that the demand for Favipiravir had increased four times in the state of Gujarat during the April-May pandemic surge and therefore the product should be considered as target for falsification (report ID 1082548). The article reports on the so called first bust of a favipiravir racket: the Food and Drugs Control Administration (FDCA) found the company owner of 'Max Relief Healthcare' based in Gwalior sold 5,850 falsified favipiravir tablets to seven pharma outlets as 'Favimax-400' and 'Favimax-200' through a website for online sales.

6.7.2.3 Falsified remdesivir

In several parts of India falsified remdesivir has been circulating under a new name called 'Covipri' (report ID 1044723). The packaging of the falsified medicine appears legitimate, but does not resemble Covifor (a genuine brand of remdesivir), with a unique design and a "Make in India" logo on the back. The manufacturer's suggested retail price is of Rs 5,400 (approximately 70 USD), which is the same price as Hetero Labs pricing of Covifor. There are several spelling errors and grammatical mistakes on the packaging and the manufacturer is listed as Pristine Life Sciences, which is not one of seven authorised remdesivir manufacturers in India.

Delhi, India's capital territory

Two people in Delhi were arrested for allegedly selling falsified remdesivir injections at exorbitant prices (report ID 1044625). Seventeen remdesivir injections were recovered from their possession, which were obtained from a resident of Noida. The accused were selling these injections at a price of Rs 35,000 (approximately 470 USD) per vial.

A dialysis staffer at a hospital in New Delhi was arrested for selling falsified remdesivir injections for Rs 30,000 (approximately 400 USD; report ID 1052184). The Delhi Police Crime Branch busted an interstate gang that was manufacturing falsified remdesivir and held seven persons in connection with this case (report ID 1066627). Their manufacturing unit was in Uttarakhand and 198 vials of falsified remdesivir, packaging material, and 3,000 empty vials were recovered.

Gujarat state

The Gujarat police seized a major remdesivir manufacturing racket and arrested seven people (report ID 1044188). Police seized over 60,000 empty vials, 30,000 falsified labels and over Rs 90 lakh (approximately 121,000 USD) cash, suspected from selling the falsified injections over ten to fifteen days. The police also registered 23 First Information Reports (FIRs) in the previous month and 57 persons were arrested for black marketing in Gujarat state. These cases have revealed that one injection, which normally costs Rs 899 (approximately 12 USD), is sold for up to Rs

30,000 (approximately 400 USD) on the black market.

Another article reported a seizure of 273,000 falsified remdesivir injections in Gujarat state (report ID 1045885). No further details were shared, except that the state authorities are looking into the case and will take action against this falsification racket.

Furthermore, an article at the end of May, completed the reporting of incidents in Gujarat state by summarizing that the police reported 42 cases against 131 accused in the past two to four months relating to the black-marketing, hoarding and sale of falsified remdesivir (report ID 1076472). According to the article most cases were registered in Ahmedabad city (15), Surat city (7) and Rajkot (3).

Haryana state

As many as 621 falsified remdesivir vials were found dumped in the Bhakra canal (report ID 1050572). The vials were packed in cartons and bore the manufacturer's address in Telangana. Besides remdesivir, 1,456 vials of Cefoperazone were also found in the canal. The Cefoperazone vials were labelled with "*For government supply, not for sale*" and bore the manufacturer's address in Himachal Pradesh. The labels on vials did not match with those of original vials of the same company. In addition, 849 unlabelled vials were recovered.

In Chandigarh, Haryana Police and drug control authorities of Haryana and Himachal Pradesh state, have sealed a 'pharmaceutical unit' which was allegedly manufacturing large quantities of falsified remdesivir (report ID 1073890). An FIR was registered after the police seized 24 remdesivir vials from the possession of four accused.

Karnataka state

The Karnataka police arrested several people for black-marketing remdesivir (report ID 1062671). The article reported that there had been at least one arrest a day for a fortnight relating to this issue. It also reported that some arrests were related to the sale of falsified remdesivir vials.

Madhya Pradesh state

In Indore, a congress member, a homeopathic doctor, and two others were arrested for the sale of falsified remdesivir injections in Madhya Pradesh (report ID 1061323). Officials seized 437 of the 700 falsified remdesivir injections that were allegedly smuggled from Gujarat to Indore.

An article reported that an inter-state gang supplied at least 1,200 falsified remdesivir injections, which contained glucose water and salt, in Madhya Pradesh (report ID 1053371). The Gujarat Police arrested six persons from this gang. The racket sold around 1,200 falsified injections: 200 were sent to adjoining Dewas District from Indore, while 500 others were delivered to one Sapan Jain in Jabalpur for Rs 35,000 to Rs 40,000 (approximately 470 - 530 USD) per injection.

Another article reported that the Madhya Pradesh police suspects that 85% of the remdesivir injections recovered from people accused of black-marketing during the second wave of COVID-19 were falsified (report ID 1066516). In total they arrested 57 accused in 21 cases and recovered from their possession 473 remdesivir injections. Among them, 400 vials were suspected to be falsified. The suspected

vials were possibly made by a Gujarat-based inter-state gang using salt and glucose. Furthermore, the police arrested the director of the Jabalpur city hospital and 2 other persons for selling fake remdesivir (report ID 1092131). The director had bought 500 falsified remdesivir vials in the city of Indore and used it in the hospital to treat COVID-19 patients.

Maharashtra state

In Mumbai, Maharashtra's cyber police registered an FIR in connection with falsified remdesivir and tocilizumab tablets, labelled as made by a reputed pharmaceutical company, being sold online (report ID 1059047). The article reports that many patients received water and falsified medicines in the bottles with the complainant company's name and logo on the vials. However, the article did not specify the name of the pharmaceutical company of which medicinal products were being illegally replicated.

The FDA of Maharashtra state, has found fake branded samples of remdesivir injections: Covifor and Desrem (report ID 1077726). The brands were labelled as manufactured by Hetero Pharmaceuticals and Mylan Pharmaceuticals, respectively. The Covifor sample did not pass the chemical identification test for the presence of remdesivir. There are two chemical analytical reports for Desrem. One sample report concluded that the content of remdesivir in the sample received was less than 2.17% of the labelled amount of remdesivir. While the other sample report concluded that the sample did not pass the identification test for the presence of remdesivir.

Tamil Nadu state

Another article reported that a private hospital in Tindivanam was caught administering falsified remdesivir, which allegedly resulted in a patient's death (report ID 1065122). The hospital was fined and its license to treat COVID-19 patients was invalidated.

Telangana state

Reports highlight falsified remdesivir vials reaching private hospitals in Dammaiguda. (report ID 1050679). The falsified vials were filled with distilled water or saline water and sold for up to Rs 30,000 (approximately 400 USD) per vial.

The police arrested a doctor and two other persons for allegedly administering falsified remdesivir injection to a COVID-19 patient (report ID 1066430). Only after the death of the patient, did the alleged use of falsified remdesivir became apparent. Fifteen falsified remdesivir injections, cash and an oxygen concentrator were recovered by the police.

Uttar Pradesh state

In April, an individual from Haryana was arrested for black marketing of falsified remdesivir injections (report ID 1070852). A Kanpur Police Commissioner stated that the accused was arrested along with two medical representatives. During the arrest, some remdesivir injections were seized that were later found to be falsified.

An article reports the arrest of seven people for selling vials of injections used in pneumonia treatment packaged as remdesivir (report ID 1052638). The accused sold a vial between Rs 40,000 - 45,000 (approximately 500-600 USD) when,

depending on the manufacturer, it normally does not cost more than Rs 3,500. Nine vials of genuine and 140 vials of falsified remdesivir injections and Rs 2.45 lakh cash (approximately 3300 USD), were recovered from the accused.

In Baghpat District, a joint team of crime branch and FDA officials seized 60 vials of suspected falsified remdesivir and arrested three persons (report ID 1078649). The accused sold each vial between Rs 25,000-30,000 (approximately 330 - 400 USD). Laboratory analysis confirmed that the vials were falsified.

6.7.2.4 Sale of remdesivir on the black market.

Andhra Pradesh state

In Krishna, the Commissioner's Task Force arrested two people involved in a remdesivir hoarding and black marketing racket (report ID 1071414). Six vials were recovered which were procured by submitting fake doctor prescriptions to the authorities, then selling each vial for Rs 30,000 (approximately 400 USD).

Delhi, India's capital territory

The Delhi Police caught a gang of four people for black marketing of remdesivir injections; they seized seven injections (report ID 1047797). Allegedly, one of the gang members was a nurse who bought the remdesivir doses in the hospital where she works. The other gang members allegedly subsequently sold them for Rs 70,000 for one dose (approximately 940 USD).

Haryana state

Haryana police registered 21 FIRs in connection with black marketing of remdesivir injections, oxygen and oxygen cylinders leading to the arrest of 45 persons and recovery of 101 vials of remdesivir and 77 oxygen cylinders (report ID 1048893).

Karnataka state

One article reports on an individual who was arrested by the Bengaluru police for selling five vials of remdesivir at Rs 7,000 (approximately 90 USD) per vial (report ID 1067864). The article reports further that multiple cases have been registered of black market sale of remdesivir and amphotericin B, together with oxygen cylinders and concentrators.

Another article reports that the police in Bengaluru arrested four people, including two doctors, working with a Primary Health Centre, for black marketing remdesivir for Rs 25,000 (approximately 330 USD) per vial (report ID 1068658). The police recovered 11 vials of 100mg/20mL remdesivir from their possession.

Madhya Pradesh state

In Indore, the police arrested a man, who worked as a driver for the District Health Officer, for attempting to sell remdesivir vials for Rs 15,000 each (approximately 200 USD) (report ID 1066727).

Five people were arrested for being involved in the black marketing of remdesivir injections (report ID 1066447). Three people were arrested by the Khargone police which led to the arrest of 2 people by the Indore police, who were operation theatre technicians at a hospital in Indore. In total twelve remdesivir vials were seized which the accused were planning to sell to patients for Rs 30,000 (approximately 400 USD) per vial.

Tamil Nadu State

Three men were arrested for illegally selling remdesivir smuggled from Bangladesh (report ID 1062448). Two of the accused owned pharmacies, and the third person worked in a pharmacy. The trio were selling remdesivir for Rs 25,000 (approximately 340 USD) a vial. Two vials were seized and will be analysed for authenticity. The police also seized Rs 89,000 cash (approximately 1200 USD) which they had allegedly gained from selling vials.

The police arrested a doctor and a pharmacist for attempting to sell remdesivir on the black market and seized five vials of remdesivir (report ID 1086409).

Investigations revealed that the duo had planned to sell the vials in the black market at the rate of Rs 19,000 (approximately 250 USD) a vial.

Telangana state

One of the articles reported two incidents of black marketing of remdesivir (report ID 1063566). The first incident is of an engineering graduate from Andhra Pradesh who was arrested by the Cyberabad police for illegally selling remdesivir. He received the injections for Rs 3,490 (approximately 45 USD), but was trying to sell them for Rs 28,000 (approximately 370 USD) each. The second incident related to an individual who was arrested for selling remdesivir injections on the black market. The Hyderabad Task Force apprehended him in Secunderabad, and confiscated four remdesivir vials. He bought each vial for about Rs 4,000 (approximately 50 USD) and sold them for nearly Rs 35,000 (approximately 470 USD).

6.7.2.5 Other articles on remdesivir and/or tocilizumab on the black market

The Delhi Police arrested three people, including staffers of a hospital in Faridabad, for black marketing of tocilizumab injection and seized three vials from the accused (report ID 1053504).

One article described several incidents of remdesivir (6) and tocilizumab (1) on the black market in Tamil Nadu State (report ID 1052806).

The incident with tocilizumab involved a relative of a COVID-19 patient who testified having bought Tocilizumab on the black market in Chennai paying Rs 160,000 Rs for one vial.

The six incidents described on remdesivir were reported as follows:

- The first incident involved a hospital helper of the Government Tiruvannamalai Hospital. He was taking remdesivir vials prescribed for patients that were passed away before they could receive the injection and was selling them on the black market. The suspect has been arrested by the Civil Supplies CID.
- The second incident involved a compounder at a private hospital in Chennai. He was arrested by the Vepery police for stealing remaining remdesivir vials procured for patients who had died or recovered.
- The third incident involved a doctor who was illegally selling remdesivir that he had obtained through a dealer with connections at a manufacturing unit. The Civil Supplies CID arrested the doctor after a trap was laid.
- The fourth incident also came to light after a trap laid by the Civil Supplies CID which involved a doctor who used falsified prescriptions to obtain remdesivir. Allegedly the doctor would obtain remdesivir vials through an intermediary working at

a pharmacy and subsequently sell for Rs 22,000 (approximately 300 USD) a vial.

- A fifth incident involved two persons, a doctor and a hospital assistant, knowingly prescribing remdesivir to patients that did not exist and then selling the remdesivir for between Rs 9,000 and Rs 18,000 (approximately 120-250 USD) a vial. Both individuals were arrested by the Integral Coach Factory police. The article also reports several incidents of Tocilizumab being sold on the black market.

- In the sixth incident it was reported that the Chennai city police arrested a doctor and an assistant pharmacist from the King's Institute in Guindy. Together they allegedly stole a few batches of vials that had arrived at the institute and sold them at Rs 5,000 a vial. Allegedly over eight similar incidents were recorded and the police seized over 70 remdesivir vials from different suspects, most of them being doctors or staff associated with hospitals.

6.8 Ventilation & oxygenation equipment and consumables

In April and May, 11 articles were found reporting on the illegal sale and theft of substandard and falsified ventilation equipment and consumables.

6.8.1 April

In April, three articles reported the black market sale of oxygen cylinders and flow meters in India. In Haryana state, the Gurgaon Police arrested four people for allegedly selling oxygen cylinders in the black market (report ID 1034035). The four accused were reported as selling cylinders worth Rs12,000-14,000 (approximately 160-190 USD) at a cost of Rs 90,000 (approximately 1,200 USD).

In Hyderabad state, three people were arrested for illegally transporting and selling on the black market oxygen cylinders (report ID 1038476). The cylinders were bought at a cost of Rs 16,000 each (approximately 200 USD) and then sold again for Rs 25,000 (approximately 340 USD). The police seized 5 oxygen cylinders, a minivan and cell phones from the accused.

One article reported two incidents (report ID 1041792); the first incident involved two men who were held for allegedly selling oxygen cylinders in Noida, Uttar Pradesh state on the black market. Four oxygen cylinders were seized from their possession along with a refilling pipe and some cash. In the second incident it was reported that a man was arrested for allegedly selling falsified flow meters, which are used to regulate the flow of oxygen from cylinders to patients. Three falsified oxygen flow meters, 18 oxygen regulators, and 12 regulators caps were seized from his possession.

An article reported on a case of fire extinguishers being sold as oxygen cylinders in Delhi, India (report ID 1080042)²³. The relative of a COVID-19 patient had bought a red coloured cylinder. When the patients' family went to fill the cylinder with oxygen,

²³ Shiv S. Two in Delhi arrested for selling fire extinguishers as oxygen cylinders | Latest News Delhi - Hindustan Times. Hindustan Times - Delhi News. Published online April 30, 2021. Accessed July 28, 2021. <https://www.hindustantimes.com/cities/delhi-news/two-in-delhi-arrested-for-selling-fire-extinguishers-as-oxygen-cylinders-101619734417980.html>

they realised that they had bought a fake oxygen cylinder. Two people were arrested for selling fire extinguishers as oxygen cylinders and four fire extinguishers were seized.

6.8.2 May

In May, the US Justice Department arrested two men who stole a tractor trailer carrying 192 ventilators, worth 3 million USD, from a lot at Miami International Airport in August 2020 (report ID 1080975). All other articles related to ventilation equipment in the MQM Globe for the month of May report on incidents in India.

Two articles report on events in Uttar Pradesh state. The Lucknow police arrested 10 persons involved in black marketing of oxygen cylinders (report ID 1047953). The police recovered 225 oxygen cylinders and cash. The Uttar Pradesh Special Task Force arrested two people for selling oxygen cylinders on the black market (report ID 1066368). Two people were arrested with 40 oxygen cylinders and a vehicle used to transport them. The accused used fake demand letters and got the cylinders refilled with oxygen.

Two articles report on events in Haryana state. The police registered 21 first information reports in connection with the sale of oxygen, oxygen cylinders, and remdesivir across Haryana on the black market, leading to the arrest of 45 persons and recovery of 77 oxygen cylinders and 101 vials of remdesivir (report ID 1048893).

A Congress member was arrested in Faridabad, Haryana state, for his alleged involvement in black marketing of oxygen cylinders (report ID 1061323). The police found 50 oxygen cylinders hidden in the suspects' car (42 empty and 8 filled cylinders).

Furthermore, multiple cases were registered across Bengaluru, Karnataka state, where cyber criminals sold oxygen cylinders, concentrators, and remdesivir among other essential drugs on the black market (report ID 1067864).

The police also caught 3-4 people from Jabalpur, Madhya Pradesh state, who sold oxygen cylinders for Rs 20,000 (approximately 300 USD) per cylinder (report ID 1092131). In Indore, Madhya Pradesh state, 30L oxygen cylinders were sold for almost Rs 60,000 (approximately 800 USD); almost three times the normal cost (report ID 1092783). That same article reported that in New Delhi, police raided a building and seized over 400 oxygen concentrators in May.

Indian companies trying to buy medical products in China have stated that prices are on the rise and that the quality of the products is going down simultaneously (report ID 1060109). Allegedly, there were no quality checks on Chinese oxygen concentrators. The article also reported that assembling factories were using non-medical grade components in the oxygen generators, rendering them substandard.

In Delhi two very severe SF incidents with oxygen concentrators and oxygen cylinders came to light. One article reported on substandard oxygen concentrators being sold at exorbitant prices (report ID 1059143). The police seized 524 oxygen concentrators and sent two different models for testing to the Shriram Institute for

Industrial Research. The article quotes a police officer saying: “*The report found that an average output of oxygen purity is found to be 32.7% and 38.2% respectively in a 9-litre and 7-litre model. The testing was carried out in the laboratory room air and the oxygen concentration was found to be only merely 20.8%*”. The police said that the oxygen concentrators were purchased for Rs 12,500 and Rs 20,669 (approximately 170 USD and 280 USD) and sold for Rs 70,000 (approximately 940 USD) per piece.

The second article reported on three people being arrested for selling fire extinguishers sold as oxygen cylinders (report ID 1050037)²⁴. During the police raid, the racketeers was caught red handed while painting discarded fire extinguishers as black oxygen cylinders. The police recovered more than 530 fire extinguishers, over 25 oxygen gas cylinder nozzles and tools that the accused used to turn discarded iron gas cylinders into fake oxygen cylinders including grinders used for removing paint from the cylinders and spray-paint cans.

²⁴ Ojha A. Delhi: Fire extinguishers painted and sold as oxygen cylinders, 3 arrested - Cities News. *India Today - Delhi*. Published online May 6, 2021. Accessed July 28, 2021. <https://www.indiatoday.in/cities/delhi/story/delhi-oxygen-cylinder-scam-racket-corona-patients-covid-hospitals-shortage-1799641-2021-05-06>

Annexes

Annex A: Methodology changes for searches in the lay literature.

In section 6 'Lay literature', we report on incidents that were reported in the lay press. In section 6.1 we briefly describe the methodology we apply to collect the lay press articles. Changes in methodology since the first 'Medical Product Quality Report – Covid-19 issues' are listed below.²⁵

Since the October 2020 issue

- Personal protective equipment (PPE), and sanitisers and disinfectants: alerts from January to September 2020 in the PPE category included sanitisers and disinfectants. From October 2020 onwards, we created two distinct categories: sanitizers/disinfectants and other PPE.
- Key terms used to generate the Globe-reports: key terms applied to search the Globe database to compile the Globe-reports were revised in October & November 2020. Therefore caution is required when interpreting the number of alerts or articles over time.

Since the November 2020 issue

- COVID-19 medicines: Non-COVID-19 medicines, containing hidden API(s) that are used or trialled for COVID-19 are no longer included in the COVID-19 reports (e.g. hidden sildenafil in sexual enhancement supplements). Only medicines for which the stated API is used or trialled for COVID-19 are included in the COVID-19 report (e.g. falsified 'Viagra'). The observed decrease of the number of articles/alerts over time may at least partially be due to this change.

Since the January 2021 issue

- COVID-19 vaccines:
 - Search terms used for Google News scraping: It is highly likely that diverted vaccines will not be stored appropriately and their use is likely to result in people being unprotected when they think they are. To ensure that the system includes articles that are related to diversion and theft of COVID-19 vaccines from legitimate supply chains, we adapted the search terms for Google News searches linked to COVID-19 vaccines.
 - Inclusion of reports: scams and fraudulent claims are included in the report if involving the direct offer of a COVID-19 vaccine. For all the other product categories, our reporting policy remains the same, and we do not aim to include discussion of fraudulent claims of efficacy.

²⁵Infectious Diseases Data Observatory. Medical Product Quality Reports. Medical Product Quality Reports. Published 2020. Accessed March 2, 2021. <https://www.iddo.org/mq/research/medical-product-quality-reports>

- Ventilation equipment: We include incidents related to ventilation equipment in the overall article count. In the first Medical Product Quality Report, we reported on two incidents with ventilators (one in May and one in June 2020) but they were not included into the overall count in subsequent reports. From the January 2021 issue onwards the figures for ventilation equipment are included, including those incidents in May and June 2020).

Since the March 2021 issue

- PPE: 'face shield' was added to the key terms applied to search the Globe database to compile the PPE Globe-report. Therefore caution is required when interpreting the number of alerts or articles over time.
- COVID-19 medicines:
'Amphotericin' was added to the key terms applied to search the Globe database to compile the COVID-19 medicine Globe-report. Although the product is not used as direct treatment for COVID-19 it has been included in the search terms. Amphotericin is used to treat mucormycotic, a fungal infection increasingly reported in patient that previously suffered from COVID-19. Adding Amphotericin to the search terms does not generate bias in the previous reports since the Globe database did not hold any incidents with amphotericin from 1st of January 2020 to 31st of March 2021.

Annex B: Alerts on COVID-19 related diverted, substandard or falsified medical products by week

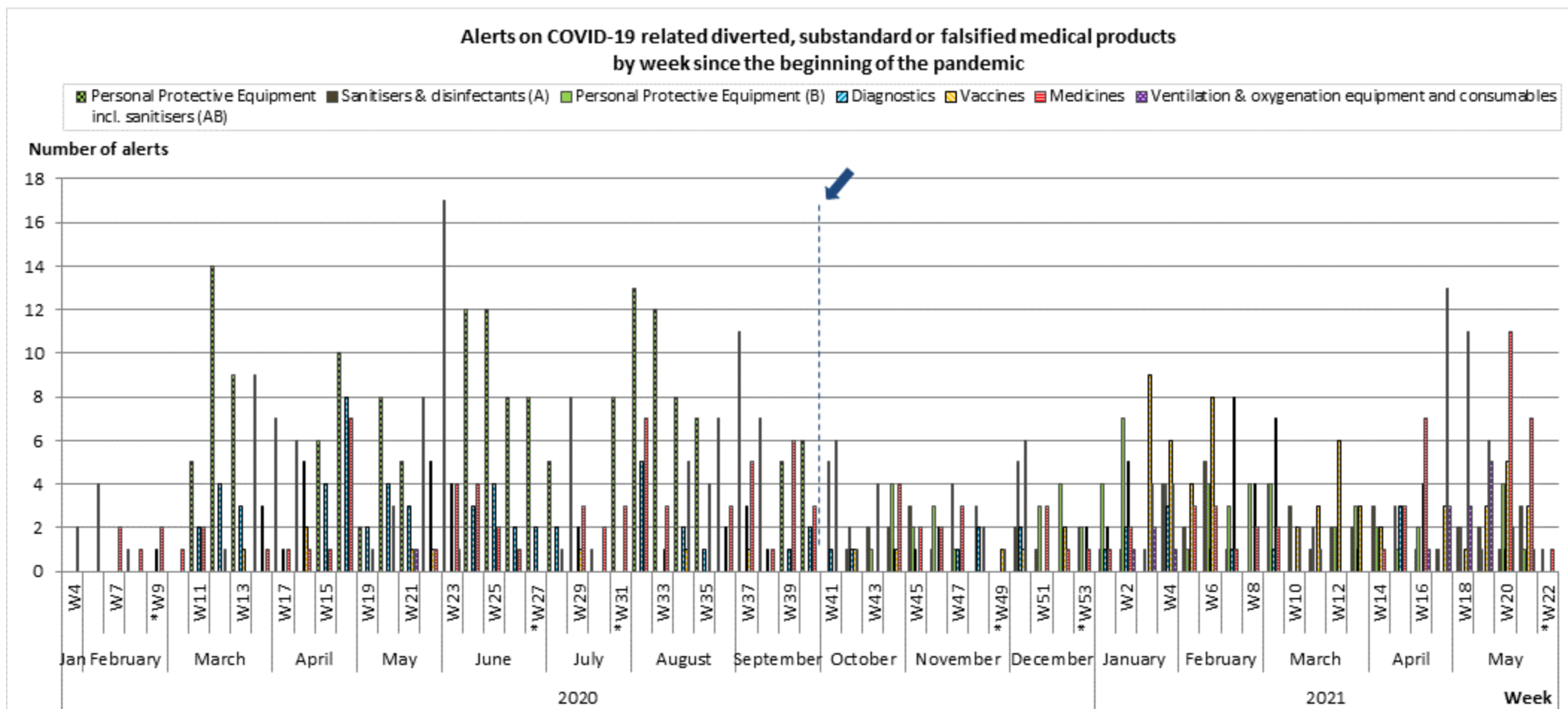


Figure 6. Number of alerts on the Medicines Quality Monitoring Globe by category and by week since the beginning of the pandemic.

Alerts are for substandard or falsified products linked to COVID-19. The figure starts in week 4, Monday 20th of January, 2020 and ends on week 13, Monday 31st of May, 2021. Weeks with an asterisk (*) are overlapping 2 months, each time the week is attributed to the earliest month. As some articles describe more than one category of products, the sum of alerts per month may exceed the sum of articles per month reported in Figure 2. The arrow indicates the end of September when the category of "Personal Protective Equipment incl. sanitisers" was split in two distinct categories: (A) Sanitisers and disinfectants, and (B) Personal Protective Equipment.

Note (1). Since November, non-COVID-19 medicines containing hidden API(s) that is/are used or trialled for COVID-19 are no longer included in the COVID-19 reports. Only medicines for which the stated API is used or trialled for COVID-19 treatment are included in the COVID-19 report. The observed decrease of the number of articles on medicines can be at least partially due to this change.

Note (2). Search terms for COVID-19 vaccines thefts and diversion have been added, the observed rise in the number of articles from January '21 can be at least partially due to this change.

Annex C: Medicine Quality Monitoring Globe reports containing report IDs

Annex B contains the reports generated by the Medicine Quality Monitoring Globe (MQM Globe) using pre-defined search terms for each of the product categories. The report IDs (six or seven digit code) discussed in section 6 'Lay literature' are detailed in the MQM Globe reports in this annex or they are available on the online MQM Globe²⁶, introducing "reportID:XXXXXX" in the search box.

Annex C.1. Vaccines

Annex C.2. COVID-19 diagnostics

Annex C.3. Personal protective equipment

Annex C.4 Sanitisers and disinfectants

Annex C.5 COVID-19 medicines

Annex C.6 Ventilation & oxygenation equipment and consumables

²⁶Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe. Web Page. Published 2020. Accessed March 2, 2021. <https://www.iddo.org/medicine-quality-monitoring-globe>

Annex C

C.1. Vaccines

Medicine Quality Monitoring Globe

July 21, 2021



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Filters applied for this report

Search ((("BNT162b2" OR "BBIBP-CorV"
OR "Ad26.COV2.S" OR "CoronaVac" OR "Covishield" OR "Ad5-nCoV" OR "AZD1222"
OR "FBRI" OR "Sputnik V" OR "mRNA-1273" OR "EpiVacCorona" OR "Vero Cells"
OR "Covaxin") OR ("vaccine") AND ("Barat Biotech" OR "BioNTech" OR "Johnson
& Johnson" OR "Pfizer" OR "Oxford/AstraZeneca" OR "Serum Institute of India" OR
"Sinopharm" OR "Sinovac" OR "Gamaleya" OR "Moderna" OR "Pfizer/BioNTech" OR
"CanSino" OR "AstraZeneca" OR "Oxford")) OR ("vaccine") AND ("COVID-19" OR
"COVID" OR "SARS-CoV-2" OR "Coronavirus" OR "CV19" OR "CV-19" OR "SARS"
OR "CoV-2"))))

Start date 2021-04-01

End date 2021-05-31

Language en

Report type incident

Curation status

validated

Number of Reports

27

1 COVID-19 vaccine scam warning

Publication date	2021-05-21
Create date	2021-05-24
Score	48.02
Report id	1069276
Category	Vaccine, Medical device for screening/diagnosis/monitoring
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: COVID-19 vaccine scam warning MyBroadband

Click here to see the [Original Article](#)

Table 1: Places for report 1069276

Region Name	Country	Location	Latitude	Longitude
		Earth	0	0

Table 2: Other Stories

ID	Title	Link
1069648	Beware of Covid-19 vaccine scams	Link
1095990	Dark Web Getting Loaded With Bogus Covid-19 Vaccines and Forged Cards	Link

Notes: Cybersecurity company McAfee has warned that an increasingly high number of questionable COVID-19 vaccines and illicit proof of vaccination cards are being sold on the dark web.

McAfee said its research showed that COVID-19 vaccines claimed to be from Pfizer-BioNtech and Moderna were currently available on at least a dozen dark web marketplaces. [...]

2 Dubious Covid-19 Shots, Fake Vaccination Certificates Proliferate on Dark Web

Publication date	2021-05-05
Create date	2021-05-10
Score	43.10
Report id	1048306
Category	Vaccine
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Dubious Covid-19 Shots, Fake Vaccination Certificates Proliferate on Dark Web The Wall Street Journal

Click here to see the [Original Article](#)

Table 3: Places for report 1048306

Region Name	Country	Location	Latitude	Longitude
		Europe	48.69096	9.14062
		Earth	0	0

Table 4: Drugs for report 1048306

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: [...] Several marketplaces seen by The Wall Street Journal showed Covid-19 vaccines for sale, such as batches of 1,000 shots of Russia's Sputnik V for \$4,000 worth of bitcoin or 800 shots of the Pfizer Inc. and BioNTech SE vaccine for \$20,000 in bitcoin. [...]

3 100 million doses of Johnson & Johnson's vaccine need to be checked for contamination and may need to be thrown out

Publication date	2021-05-19
Create date	2021-06-07
Score	38.62
Report id	1071640
Category	Vaccine
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: 100 million doses of Johnson & Johnson's vaccine need to be checked for contamination and may need to be thrown out Yahoo News

Click here to see the [Original Article](#)

Table 5: Places for report 1071640

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Baltimore	39.29038	-76.61219

Table 6: Drugs for report 1071640

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 7: Other Stories

ID	Title	Link
1066847	Emergent CEO says company made over 100 million doses of J&J vaccine, apologizes for contaminated batch	Link
1067169	100 Million Vaccine Doses Held Up Over Contamination Concerns, Emergent Reveals	Link
1067941	100 Million Johnson & Johnson Covid-19 Vaccines Possibly Contaminated - 9 & 10 News	Link
1067942	100 million J&J doses from Baltimore plant need to be checked for contamination	Link

Notes: "Emergent BioSolutions CEO Robert G. Kramer admitted to the House of Representatives on Wednesday that more than 100 million doses of the Johnson & Johnson vaccine are on hold and possibly contaminated.

It was the first time that Kramer admitted the high figure of potentially spoiled vaccines after The New York Times reported last month that the facility may have jeopardized 62 million of Johnson & Johnson's COVID-19 vaccine doses, after ruining 15 million doses of the vaccine through cross-contamination with ingredients for AstraZeneca's vaccine."

4 Capel Coral Police investigating stolen vials of Johnson & Johnson Covid-19 vaccine

Publication date	2021-04-08
Create date	2021-04-18
Score	36.21
Report id	1013423
Category	Vaccine
Quality	Diverted/Unregistered
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Capel Coral Police investigating stolen vials of Johnson & Johnson Covid-19 vaccine
Fox 4

Click here to see the [Original Article](#)

Table 8: Places for report 1013423

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Cape Coral	26.56285	-81.94953

Table 9: Drugs for report 1013423

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: A Cape Coral business left without Covid-19 vaccines after more than \$2,000 worth are stolen.

A total of ten vials of the Johnson & Johnson Covid-19 vaccine were stolen from Physicians' Primary Care of Southwest Florida. It's the first crime of its kind here in the area and it has left police just as confused. [...] According to a police report, an officer was called to Viscaya Parkway Wednesday just after 3 p.m. for the theft. Ten vials of the Johnson & Johnson Covid-19 vaccine that had been once stored in a refrigerator were missing. [...]

5 Thieves steal 300 vials of children's vaccines thinking they were Covid doses in Maharashtra's Ulhasnagar

Publication date	2021-05-28
Create date	2021-05-31
Score	34.84
Report id	1078285
Category	Vaccine
Quality	Diverted/Unregistered
Source	Unknown
Curation	Manually curated
Incident or General	Incident

Snippet: Thieves steal 300 vials of children's vaccines thinking they were Covid doses in Maharashtra's Ulhasnagar India Today

Click here to see the [Original Article](#)

Table 10: Places for report 1078285

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Ulhasnagar	19.21667	73.15

Table 11: Drugs for report 1078285

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: The police have registered a case against some unknown persons who broke into a health facility in Maharashtra's Thane and stole 300 vials of different vaccines meant for children. The police believe that the thieves broke into the health centre to steal anti-Covid vaccines, particularly Covishield, as the vials the thieves made away with had Serum Institute of India's stickers. [...]

6 Another 62million Covid vaccines 'contaminated' at scandal-hit factory

Publication date	2021-04-07
Create date	2021-04-08
Score	34.03
Report id	1011051
Category	Vaccine
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Another 62million Covid vaccines 'contaminated' at scandal-hit factory Metro.co.uk

Click here to see the [Original Article](#)

Table 12: Places for report 1011051

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Baltimore	39.29038	-76.61219

Table 13: Drugs for report 1011051

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 14: Other Stories

ID	Title	Link
1020916	Johnson & Johnson vaccines delayed due to contamination - KMTV	Link

Notes: Quality-control managers at a plant in Baltimore, Maryland, operated by Emergent BioSolutions, are now required to test every batch of Johnson & Johnson vaccines produced alongside 15million doses of AstraZeneca vaccines destroyed after their ingredients were mixed up. That amounts to screening 62million doses for possible contamination, The New York Times reported on Tuesday based on documents and interviews with former workers at the factory

and federal officials. Workers at the factory in February unknowingly cross-contaminated about 15million doses of the Johnson & Johnson jab with AstraZeneca doses, rendering them unusable. The error was caught before the doses were distributed. [...]

7 COVID-19 vaccines, medical equipment stolen from Purdy dentist's office

Publication date	2021-05-01
Create date	2021-05-07
Score	30.97
Report id	1043734
Category	Vaccine
Quality	Diverted/Unregistered
Source	Unspecified outlet
Curation	Manually curated
Incident or General	Incident

Snippet: COVID-19 vaccines, medical equipment stolen from Purdy dentist's office KIRO Seattle

Click here to see the [Original Article](#)

Table 15: Places for report 1043734

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Washington	47.50012	-120.50147

Table 16: Drugs for report 1043734

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 17: Other Stories

ID	Title	Link
1044179	100 vials of J&J COVID vaccine reported stolen from local dentist's office	Link
1044469	100 vials of J&J COVID vaccine reported stolen from Purdy dentist's office	Link
1045648	Equipment, supplies, vaccine vials stolen in Purdy burglaries	Link
1046519	Experts worry about use of stolen J&J doses from Purdy dental office	Link

Table 17: Other Stories(continued)

ID	Title	Link
1048882	Man arrested for allegedly stealing COVID-19 vaccines, Botox	Link
1048936	Man accused of stealing 100 vials of J&J COVID vaccine is arrested in Washington	Link
1049009	Man who allegedly stole COVID-19 vaccines arrested, Pierce County deputies say	Link
1049694	Authorities arrest man accused of stealing 100 vials of COVID-19 vaccine	Link
1050286	Man arrested for stealing 100 vials of Covid vaccine	Link
1053564	Vaccine stolen from Purdy dentist was destroyed, deputies say; suspect under arrest	Link

Notes: Tens of thousands of dollars worth of equipment was stolen from a hair salon and a dentist's office in Purdy last week about a half-mile apart.

Among the items stolen were 100 vials of the Johnson & Johnson vaccine. [...]

8 Pfizer Identifies Fake Covid-19 Shots Abroad as Criminals Exploit Vaccine Demand

Publication date	2021-04-21
Create date	2021-04-28
Score	30.94
Report id	1030129
Category	Vaccine
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Pfizer Identifies Fake Covid-19 Shots Abroad as Criminals Exploit Vaccine Demand
The Wall Street Journal

Click here to see the [Original Article](#)

Table 18: Places for report 1030129

Region Name	Country	Location	Latitude	Longitude
Europe	Poland	Republic of Poland	52	20
Americas	Mexico	Mexico	23	-102

Table 19: Drugs for report 1030129

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 20: Other Stories

ID	Title	Link
1030271	Pfizer identifies first counterfeit versions of its Covid-19 vaccine	Link
1030364	What We're Reading: J&J Vaccines to Restart in EU; Vaccination Rates Differ by Sex; Pfizer Reporting Fake COVID-19 Shots	Link
1030430	EU says J&J vaccine benefits outweigh risks, Pfizer finds fake COVID-19 shots	Link

Table 20: Other Stories(continued)

ID	Title	Link
1030436	Pfizer says it has uncovered counterfeit COVID vaccine distribution in Poland and Mexico	Link
1030508	Pfizer Just Issued This Alarming Warning About Counterfeit Vaccine	Link
1030592	Early Addition: Mexican Clinic Caught Selling Fake Pfizer Vaccines Out Of Beer Coolers	Link
1030634	FILE-PFIZER IDENTIFIES FAKE COVID VACCINE IN MEXICO, POLAND	Link
1030640	Mexico, Poland find fake Pfizer coronavirus vaccines - Reports	Link
1030659	Pfizer identifies fake covid-19 shots abroad as criminals exploit vaccine demand	Link
1030704	Pfizer says phony COVID-19 vaccines are turning up outside the U.S.	Link
1030707	Pfizer uncovers counterfeit COVID-19 shots abroad: report	Link
1030796	Pfizer identifies fake COVID-19 shots abroad Yahoo Finance Video	Link
1030844	Organized crime groups are selling fake COVID-19 vaccines and forged negative tests, expert says	Link
1030883	Mexico calls fake coronavirus vaccines "a risk to health"	Link
1030934	Fake coronavirus vaccine: Counterfeit versions of Pfizer COVID-19 vaccine identified in Mexico, Poland	Link
1030980	Pfizer identifies counterfeit COVID-19 vaccine in Mexico, Poland; warns of increase in fraud	Link
1031036	First counterfeit Pfizer COVID-19 vaccines surface in Poland and Mexico	Link
1031225	Pfizer confirms fake vaccine shots on sale in Mexico, Poland: reports	Link
1031227	80 People in Mexico Paid \$1,000 for Counterfeit Coronavirus Vaccine Doses From Beer Coolers	Link
1031524	Pfizer Sounds Alarm Against Counterfeit COVID-19 Vaccines: What You Need To Know	Link
1031608	Fake Pfizer vaccines seized in Mexico & Poland contained distilled water, skin care products – media	Link
1031610	Pfizer identifies fake COVID-19 shots abroad	Link
1031781	Pfizer vaccine scam: Pharmaceutical giant issues warning about fake doses of the jab	Link
1031938	Criminals cashing-in on fake Pfizer vaccines – With insights from The Wall Street Journal	Link
1031939	Pfizer identifies fake COVID-19 shots abroad as criminals exploit vaccine demand	Link
1031961	Pfizer confirms fake COVID vaccines found in Mexico, Poland black markets	Link

Table 20: Other Stories(continued)

ID	Title	Link
1031967	Pfizer confirms fake vaccine shots	Link
1031975	Coronavirus: Pfizer confirms fake versions of vaccine in Poland and Mexico	Link
1032072	Fake Pfizer vaccines found in Mexico and Poland	Link
1032132	Pfizer finds fake doses of its COVID-19 vaccine in Mexico and Poland	Link
1032243	Pfizer warning about counterfeit versions of its COVID-19 vaccine	Link
1032251	Bogus but harmless Covid-19 vaccines seized in Mexico and Poland	Link
1032608	Money Matters: Costco and Fake Vaccines	Link
1032736	Fake Version Of Pfizer's COVID Vaccine Discovered In Mexico And Poland WSRW 101.5	Link
1032739	Read next on IOL Fake Pfizer vaccine shots sold in Mexico, Poland	Link
1032904	Pfizer Confirms Fake COVID-19 Vaccines Were Sold in Mexico and Poland	Link
1033077	Pfizer confirms fake vaccine shots on sale in two countries	Link
1033147	PFE Pfizer identifies fake COVID-19 shots abroad	Link
1033199	Counterfeit Pfizer COVID-19 vaccine doses found in Mexico, Poland	Link
1033299	Fake Pfizer vaccines seized in Mexico and Poland	Link
1033789	Pfizer identifies fake COVID-19 vaccine doses in Mexico, Poland	Link
1034084	Fake Vials Of The Pfizer COVID-19 Vaccine Uncovered In Poland And Mexico	Link
1034131	Fake Version Of Pfizer's COVID Vaccine Discovered In Mexico And Poland	Link
1034164	Fake Pfizer COVID-19 Vaccines Being Sold Online	Link
1034217	Pfizer's dummy vaccines were confiscated in Poland and Mexico	Link
1034220	Pfizer confirms that fake vaccine are being sold in Mexico	Link
1035278	Corona vaccine counterfeits cause uncertainty	Link
1036575	\$1,000 a shot: Fake Pfizer COVID vaccines available globally as desperation grows in countries without access	Link
1042452	Fake Pfizer Covid Vaccines Found in Poland and Mexico Due to Increasing Demand	Link
1052612	Mexico calls fake coronavirus vaccines 'a risk to health' after officials found falsified doses	Link
1070207	Pfizer confirms fake vaccine shots on sale in Mexico, Poland: reports	Link

Notes: Pfizer Inc. says it has identified in Mexico and Poland the first confirmed instances of counterfeit versions of the Covid-19 vaccine it developed with BioNTech SE, the latest attempt by criminals trying to exploit the world-wide vaccination campaign.

Vials seized by authorities in separate investigations were tested by the company and confirmed to contain bogus vaccine. The vials recovered in Mexico also had fraudulent labeling, while a substance inside vials in Poland was likely an antiwrinkle treatment, Pfizer said. [...]

9 1,710 doses of Covid-19 vaccine stolen from civil hospital in Haryana

Publication date	2021-04-22
Create date	2021-04-28
Score	30.13
Report id	1031435
Category	Vaccine
Quality	Diverted/Unregistered
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: 1,710 doses of Covid-19 vaccine stolen from civil hospital in Haryana Mint 1,710 doses of COVID-19 vaccine stolen from civil hospital in Haryana's Jind district The New Indian Express Thieves steal 1,710 Covid vaccine doses from Jind hospital, sweep entire district's stock India Today Amid surge in cases, vaccines reported stolen from Haryana THE WEEK View Full Coverage on Google News

Click here to see the [Original Article](#)

Table 21: Places for report 1031435

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Jind	29.31577	76.31502

Table 22: Drugs for report 1031435

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 23: Other Stories

ID	Title	Link
1031548	1710 doses of Covid-19 vaccine stolen from civil hospital in Haryanas Jind	Link
1031706	COVID-19 vaccine 1,710 vials stolen from civil hospital in Haryana	Link
1032135	1,710 doses of Covid vaccine stolen from Jind Civil Hospital	Link

Table 23: Other Stories(continued)

ID	Title	Link
1032745	'Sorry, didn't know': Thieves leave stolen Covid-19 vaccines at tea stall in Haryana's Jind	Link
1032746	1,710 COVID-19 vaccine doses stolen from hospital in Haryana's Jind	Link
1032792	Thief in Haryana's Jind returns 1,710 stolen doses of COVID vaccines	Link
1033139	Thief in Haryana returns stolen Covid-19 vaccine with a Did not know note	Link
1033208	'Sorry, did not know': Thief returns stolen Covishield, Covaxin vaccines	Link
1033260	Haryana: Thieves steal 1,710 Covid vaccines from Jind hospital	Link
1033361	Thief leaves stolen Covid-19 vaccines at tea stall in Haryana	Link
1033802	Vaccine thief apologises, returns stolen COVID-19 jabs	Link
1033906	Watch: Covid vaccine thief apologises, returns over 1,700 stolen doses	Link
1034033	Didn't know: Thief leaves stolen COVID-19 vaccines at tea stall in Haryana	Link
1034034	Over 1,700 Covid-19 vaccine doses stolen from Haryana hospital, oxygen cylinders looted in MP	Link
1034129	1,710 doses of COVID-19 vaccine stolen from civil hospital in Haryana's Jind district	Link

Notes: As many as 1,710 doses of COVID-19 vaccine were stolen from the PPC centre at Civil Hospital in Haryana's Jind district, officials told ANI on Thursday.

"1270 of Covishield and 440 of Covaxin have been stolen from PPC centre. Some important files have also been stolen," said an official from the centre. [...]

10 Thousands need to be revaccinated after state finds sub-standard vaccine storage, handling at El Paso County clinic

Publication date	2021-04-13
Create date	2021-04-22
Score	28.94
Report id	1021500
Category	Vaccine
Quality	Substandard
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Thousands need to be revaccinated after state finds substandard vaccine storage, handling at El Paso County clinic Reverb MSN Music

Click here to see the [Original Article](#)

Table 24: Places for report 1021500

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Colorado Springs	38.83388	-104.82136

Table 25: Drugs for report 1021500

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 26: Other Stories

ID	Title	Link
1020523	CDPHE suggesting 'revaccination' after substandard vaccine storage, handling at El Paso County clinic	Link
1020614	Improper Vaccine Storage Forces Coloradans To Get Another Round	Link
1044013	3,000 vaccine doses seized from Colorado Springs medical spa due to storage problems	Link

Notes: After halting COVID-19 vaccinations on Friday in Colorado Springs due to "irregularities" in the storage and handling, the Colorado Department of Public Health and Environment (CDPHE) said Tuesday it had confirmed substandard vaccine storage and handling at the clinic [...]

11 Rajasthan: 320 doses of COVID-19 vaccine stolen from Jaipur hospital, FIR filed

Publication date	2021-04-14
Create date	2021-04-21
Score	26.23
Report id	1020922
Category	Vaccine
Quality	Diverted/Unregistered
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Rajasthan: 320 doses of COVID-19 vaccine stolen from Jaipur hospital, FIR filed Times Now

Click here to see the [Original Article](#)

Table 27: Places for report 1020922

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Jaipur	26.91962	75.78781

Table 28: Drugs for report 1020922

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 29: Other Stories

ID	Title	Link
1021439	Over 300 Covaxin Covid-19 doses go missing from Rajasthan govt hospital	Link
1021946	320 doses of Covaxin vaccine stolen from Jaipur hospital during transportation	Link
1022308	Theft of Covaxin doses from Rajasthan hospital serious situation: BJP's Satish Poonia	Link
1022547	320 doses of 'Covaxin' go missing from Jaipur hospital; FIR lodged	Link

Table 29: Other Stories(continued)

ID	Title	Link
1022548	Coronavirus: 320 doses of Covaxin missing from Jaipur hospital, FIR filed	Link
1023972	320 doses of COVID-19 vaccine missing from hospital in Jaipur	Link

Notes: In a shocking development, 320 doses of COVID-19 vaccine have gone missing from a hospital in Rajasthan capital Jaipur. An FIR has been registered by the hospital administration in this regard.

The incident reportedly took place on Tuesday at Kanwatia Hospital in Shastri Nagar area of Jaipur. [...] The FIR has been filed against unidentified persons. Meanwhile, a report said the health department will probe the case of the missing vaccine. There are fears that the vaccine might be sold on the black market. [...]

12 Dr Reddy's takes action against bogus entities offering Sputnik V Covid vaccine

Publication date	2021-05-28
Create date	2021-06-07
Score	25.36
Report id	1078624
Category	Vaccine
Quality	Falsified
Source	Unknown
Curation	Manually curated
Incident or General	Incident

Snippet: Dr Reddy's takes action against bogus entities offering Sputnik V Covid vaccine
Livemint

Click here to see the [Original Article](#)

Table 30: Places for report 1078624

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Chandigarh	30.73629	76.7884

Table 31: Drugs for report 1078624

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 32: Other Stories

ID	Title	Link
1078694	Dr Reddy's initiates legal action against fraudulent entities offering Sputnik V vaccine	Link
1078788	We have sole selling rights, beware of fake agents of Sputnik-V: Dr Reddys	Link
1079271	Dr Reddy's warns against fake Sputnik V suppliers	Link
1079622	No third party authorised to supply Sputnik V vaccine, says Dr. Reddy's Laboratories	Link
1080570	Dr Reddys warns against bogus Sputnik V suppliers in India - 2021-05-30	Link

Table 32: Other Stories(continued)

ID	Title	Link
1080593	Dr Reddys warns against bogus Sputnik V suppliers in India	Link

Notes: Hyderabad-based pharma firm Dr Reddy's on Friday said that it has initiated legal action against entities who are claiming to supply Sputnik-V Covid vaccine fraudulently in the country. [...] Dr Reddy's underlined that there have been several unsubstantiated reports and claims from various quarters in India on alleged tie-ups for the Sputnik V vaccine. The pharma company explicitly said that it has not authorised any third party to supply Russia's Sputnik vaccine on its behalf. [...] Additionally, the company asked citizens to beware of unauthorised individuals offering fake deals or procurement of the Sputnik V vaccine. [...]

13 Police Investigating Man Suspected Of Stealing COVID-19 Vaccines

Publication date	2021-05-12
Create date	2021-05-14
Score	22.40
Report id	1057163
Category	Vaccine
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Police Investigating Man Suspected Of Stealing COVID-19 Vaccines KTOE News Oakdale police investigating theft of COVID-19 vaccine vial Minneapolis Star Tribune Police In Twin Cities Investigating Thefts Of COVID Vaccine, Social Media Videos Showing Man Taking Vials CBS Minnesota Twin Cities police investigating COVID vaccine thefts featured in suspect's viral videos Bring Me The News Videos show 'sovereign citizen' stealing vials of COVID-19 vaccine from pharmacy. He posted the videos on social media. The Mercury News View Full Coverage on Google News

Click here to see the [Original Article](#)

Table 33: Places for report 1057163

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Oakdale	44.96302	-92.96494
Americas	United States	Blaine	45.1608	-93.23495

Table 34: Drugs for report 1057163

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 35: Other Stories

ID	Title	Link
1063120	Minnesota man facing charges for stealing COVID-19 vaccine doses	Link

Notes: A St. Paul man is accused of stealing vials of COVID-19 vaccine, recording the alleged theft, and posting it on social media. Thomas Humphrey was arrested last Thursday on an unrelated charge in Blaine. He was released the same day. Meanwhile, Oakdale police say they're opening a theft investigation after Allina Health reported May 4th that the 32-year-old defendant stole a vial of the Pfizer vaccine from the clinic's vaccination site.

14 Exclusive: Whistleblower Alleges Queens Company Ordered Health Clinic Workers To Over Dilute Doses Of COVID Vaccine

Publication date	2021-05-18
Create date	2021-06-02
Score	21.68
Report id	1067060
Category	Vaccine
Quality	Substandard
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Exclusive: Whistleblower Alleges Queens Company Ordered Health Clinic Workers To Over Dilute Doses Of COVID Vaccine CBS New York

Click here to see the [Original Article](#)

Table 36: Places for report 1067060

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Bayside	40.76844	-73.77708

Table 37: Drugs for report 1067060

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: [...] Andrew Palazzo alleges 16,000 Pfizer doses could have been over diluted and administered at Korean Community Services' vaccination site in Bayside, Queens. [...] Palazzo alleges while he worked at the KCS site from the end of March until May, CEO Scott Orlanski told him, "to utilize between 1.9mL and 2.0mL of dilutant per vial to obtain at least seven (7) doses per vial," of the Pfizer COVID-19 vaccine.

According to CDC guidelines, 1.8mL is to be used. [...]

15 Korea gives 500,000 AstraZeneca shots with potentially faulty syringes

Publication date	2021-04-16
Create date	2021-04-26
Score	21.58
Report id	1025296
Category	Medical device used for cure/mitigation/treatment
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Korea gives 500,000 AstraZeneca shots with potentially faulty syringes The Korea Herald

Click here to see the [Original Article](#)

Table 38: Places for report 1025296

Region Name	Country	Location	Latitude	Longitude
Western Asia	Republic of Korea	Seoul	37.566	126.9784

Notes: At least 500,000 people in South Korea were given AstraZeneca's COVID-19 vaccine with potentially faulty syringes, a Korea Disease Control and Prevention Agency official told The Korea Herald Friday.

The official said the agency had ordered a recall of some 700,000 special syringes – designed to squeeze extra doses out of a vaccine vial – after reports of contamination and erroneous scale markings. [...]

16 Surgical masks, vaccines among counterfeit goods on the rise online

Publication date	2021-05-10
Create date	2021-06-11
Score	21.06
Report id	1095520
Category	Vaccine, Medical devices for disease prevention
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: On the back of alarming reports that fake Covid-19 vaccines made with chalk, wall-board and even pesticides are being peddled online, the Consumers Association of Singapore (Case) said a rising number of shoppers here have fallen prey to counterfeit goods being passed off as the real deal on e-commerce platforms.

Click here to see the [Original Article](#)

Table 39: Places for report 1095520

Region Name	Country	Location	Latitude	Longitude
		Asia	29.84064	89.29688
		Earth	0	0
Southern Asia	Singapore	Republic of Singapore	1.36667	103.8

Table 40: Drugs for report 1095520

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 41: Other Stories

ID	Title	Link
1053590	Surgical masks, vaccines among counterfeit goods on the rise online	Link

Notes: On the back of alarming reports that fake Covid-19 vaccines made with chalk, wallboard and even pesticides are being peddled online, the Consumers Association of Singapore (Case) said a rising number of shoppers here have fallen prey to counterfeit goods being passed off as the real deal on e-commerce platforms. [...] Cyber Intelligence House, a partner of Interpol and the United Nations Office on Drugs and Crime, alerted The Straits Times on March 16 to different brands of Covid-19 vaccines being sold on Telegram and the dark web. One vendor, claiming to be from the Wuhan Institute of Virology, had advertised an unknown Covid-19 vaccine for 0.0017 bitcoin, or about \$130 a dose. [...] Mr Yasar Yaman, Pfizer global security, regional senior director for the Asia-Pacific, said the company has found counterfeit medicines online, including their Covid-19 vaccine, that were made with wallboard and even pesticides. [...]

17 40 doses of Covid-19 vaccine missing; Andhra police files case

Publication date	2021-05-17
Create date	2021-05-19
Score	20.88
Report id	1063860
Category	Vaccine
Quality	Diverted/Unregistered
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: 40 doses of Covid-19 vaccine missing; Andhra police files case The New Indian Express

Click here to see the [Original Article](#)

Table 42: Places for report 1063860

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Kadapa	14.47995	78.82346

Table 43: Drugs for report 1063860

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: Chilakalapudi police on Monday registered a case against three ANMs of Narayanapuram urban health centre after 40 doses of COVID-19 vaccine went missing.

Based on a complaint lodged by the duty doctor, Chilakapudi police registered a case on the charges of theft.

According to police, the duty doctor of Narayanapuram urban health centre, during an audit, noticed a shortage of 40 doses of Covishield vaccine.

When she brought it to the notice of another doctor and three ANMs and other staff, they reportedly gave evasive answers. Officials suspect that the doses were stolen while it was transported from the cold storage to the vaccine centre.

18 CBS 2 Investigators Go Undercover And Find Pharmacist Selling ‘Empty’ COVID Vaccine Vials Online: ‘I Did Not Think It Was A Big Deal’

Publication date	2021-04-30
Create date	2021-05-07
Score	20.18
Report id	1043609
Category	Vaccine
Quality	Diverted/Unregistered
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: CBS 2 Investigators Go Undercover And Find Pharmacist Selling ‘Empty’ COVID Vaccine Vials Online: ‘I Did Not Think It Was A Big Deal’ CBS Chicago

Click here to see the [Original Article](#)

Table 44: Places for report 1043609

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Chicago	41.85003	-87.65005

Table 45: Drugs for report 1043609

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: [...] We searched online ecommerce platforms and it didn’t take long to find someone selling a pair of vials – one each, Pfizer and Moderna – on eBay for \$35. The posting described them as “Used empty vials (contains no drugs).” The post showed 28 pairs had been sold and 9 were still available. There had been 19 views of the post in the past hour when we took the screenshot. [...] About a week later, we searched again – this time we found a seller on Craigslist. That seller used the same picture, selling a pair of vials for the same price. But the description was slightly different. This post described the vials as “Empty and sterilized- there is no medicine inside” and advertised them to buyers as a way to “Own a piece of history today.” [...]

19 Nurse 'gave people fake Covid vaccines to cover up for dropping vial'

Publication date	2021-04-27
Create date	2021-05-05
Score	16.25
Report id	1038395
Category	Vaccine
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Nurse 'gave people fake Covid vaccines to cover up for dropping vial' Metro.co.uk

Click here to see the [Original Article](#)

Table 46: Places for report 1038395

Region Name	Country	Location	Latitude	Longitude
Europe	Germany	Wilhelmshaven	53.52998	8.11253
Europe	Germany	Federal Republic of Germany	51.5	10.5

Table 47: Drugs for report 1038395

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 48: Other Stories

ID	Title	Link
1058700	German police probe nurse who swopped Pfizer Covid-19 vaccine for saline solution	Link

Notes: The doses, which had been for the Pfizer vaccine, were then administered to six people at the German Red Cross vaccination centre in Friesland. There is no health risk to the patients, but they were not vaccinated against Covid. [...] Wilhelmshaven Police have now launched an

investigation, and could charge the nurse with causing bodily harm. She told officers she filled the doses with saline solution after dropping the vial, German broadcaster NDR reports. [...]

20 PAHO warns of fake Covid-19 vaccines in Argentina, Brazil and Mexico

Publication date	2021-04-21
Create date	2021-04-28
Score	13.20
Report id	1030705
Category	Vaccine
Quality	Falsified
Source	Unspecified outlet
Curation	Manually curated
Incident or General	Incident

Snippet: PAHO warns of fake Covid-19 vaccines in Argentina, Brazil and Mexico Buenos Aires Times

Click here to see the [Original Article](#)

Table 49: Places for report 1030705

Region Name	Country	Location	Latitude	Longitude
Americas	Mexico	Mexico	23	-102
Americas	Brazil	Federative Republic of Brazil	-10	-55
Americas	Argentina	Argentine Republic	-34	-64

Table 50: Drugs for report 1030705

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 51: Other Stories

ID	Title	Link
1035547	PAHO Warns of Bogus COVID Vaccines Sold in Mexico, Argentina and Brazil	Link
1036519	PAHO warns about fake Covid vaccines in Brazil, Argentina and Mexico	Link
1059045	COVID vaccine scarcity and fake doses hamper efforts in Americas	Link

Notes: The deputy director of the Pan American Health Organisation (PAHO), Jarbas Barbosa, warned on Wednesday that fake Covid-19 vaccines were being sold in Argentina, Brazil and Mexico. [...]

21 PAHO warns against acquiring vaccines from unofficial sources

Publication date	2021-04-23
Create date	2021-04-30
Score	12.83
Report id	1034582
Category	Vaccine
Quality	Falsified
Source	Unknown
Curation	Manually curated
Incident or General	Incident

Snippet: PAHO warns against acquiring vaccines from unofficial sources Jamaica Gleaner

Click here to see the [Original Article](#)

Table 52: Places for report 1034582

Region Name	Country	Location	Latitude	Longitude
Americas	Colombia	Republic of Colombia	4	-73.25
Americas	Mexico	Mexico	23	-102
Americas	Bolivia	Bolivia	-17	-65
		South America	-14.60485	-57.65625

Table 53: Drugs for report 1034582

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 54: Other Stories

ID	Title	Link
1035302	PAHO warns Latin America about counterfeit, unauthorized vaccines New York Carib News	Link

Notes: The Pan American Health Organization (PAHO) is urging people to get vaccinated against the coronavirus (COVID-19) pandemic only through national immunisation programmes and officially authorised mechanisms, warning that doing so outside these channels can be

dangerous to their health.

The recommendation comes in response to reports of counterfeit or unauthorised vaccines in some Latin American countries such as Bolivia, Colombia, and Mexico, and press reports of vaccines being administered outside authorised national immunisation programmes. [...]

22 Three Bengaluru doctors held for blackmarketing of COVID-19 vaccines and drugs

Publication date	2021-05-20
Create date	2021-05-24
Score	12.69
Report id	1068658
Category	Vaccine, Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Three Bengaluru doctors held for blackmarketing of COVID-19 vaccines and drugs
The News Minute

Click here to see the [Original Article](#)

Table 55: Places for report 1068658

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Bengaluru	12.97194	77.59369

Table 56: Drugs for report 1068658

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 57: Other Stories

ID	Title	Link
1068181	PHC doctor arrested for giving vaccine at home	Link
1068735	Bengaluru: Four, including 2 doctors, arrested for illegal sale of remdesivir	Link
1068777	Bengaluru police bust fake Covid certificate racket, arrest 2 doctors – Mysuru Today	Link
1068919	Bengaluru police arrests a doctor who stole vaccine from PHC for illegal private drive	Link

Table 57: Other Stories(continued)

ID	Title	Link
1068982	Three doctors arrested in Bengaluru for selling illegal vaccines, Remdesivir drug and fake negative Covid-19 reports	Link

Notes: Police in Bengaluru arrested two women on May 20 including a 25-year-old contract doctor working with the Bruhat Bengaluru Mahanagara Palike (BBMP) for allegedly black marketing COVID-19 vaccines. According to media reports, the accused are Dr Pushpita who was attached with the Manjunathanagar Primary Health Centre (PHC) and her relative Prema, a resident of ITI Layout. Sanjeev Patil, Deputy Commissioner of Police (West), said that the vaccines, which were meant for the public and were to be administered for free, were kept at Prema's residence. Police said that they were being administered at Rs 500 per dose to private beneficiaries there daily post 4 pm from April 23, according to The Times of India.

The duo was caught red handed after police received a tip off and posed as a beneficiary. The same day, police had arrested four persons, including two doctors working with a Primary Health Centre (PHC), for allegedly running a racket of issuing fake COVID-19 certificates and black marketing antiviral drug Remdesivir. According to the police, two of the accused persons have been identified as Dr B Shekhar (25) and Prajwala, who worked as medical officer and doctor, respectively, at the PHC in Chamarajpet in the city. [...]

23 Media report alleging vaccine wastage in Rajasthan 'false': State govt to Centre

Publication date	2021-06-01
Create date	2021-06-08
Score	10.93
Report id	1089276
Category	Vaccine
Quality	Substandard
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Media report alleging vaccine wastage in Rajasthan 'false': State govt to Centre
Hindustan Times

Click here to see the [Original Article](#)

Table 58: Places for report 1089276

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	State of Rājasthān	26.58333	73.83333

Table 59: Drugs for report 1089276

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 60: Other Stories

ID	Title	Link
1103353	Media report alleging vaccine wastage in Raj false: State govt tells Centre	Link
1115871	Media report alleging vaccine wastage in Rajasthan 'false': State govt tells Centre	Link

Notes: [...] In the letter to Sharma on Monday, Union Health Minister Harsh Vardhan said a media report has highlighted that more than 500 vials of Covid-19 vaccines were found dumped

in the waste bins at 35 vaccination centres in the state, which is "not acceptable" and must be investigated. [...]

24 UP govt order probe after 29 syringes filled with Covid vaccine was found in dustbin in Aligarh

Publication date	2021-05-25
Create date	2021-05-27
Score	6.97
Report id	1074206
Category	Vaccine
Quality	Substandard or Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: UP govt order probe after 29 syringes filled with Covid vaccine was found in dustbin in Aligarh United News of India

Click here to see the [Original Article](#)

Table 61: Places for report 1074206

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Aligarh	27.88145	78.07464

Table 62: Other Stories

ID	Title	Link
1074457	Probe ordered after 29 syringes filled with vax recovered from dustbin	Link
1082289	FIR lodged against medical officer in charge, ANM for fake vaccination in Aligarh	Link
1082818	Uttar Pradesh: 2 booked for 'wasting' vaccine	Link
1082926	Zee Hindustan links video from Ecuador to ANM booked in UP for throwing vaccine-filled syringes	Link
1083427	Fact Check: Video of nurse fake administering COVID vaccine is from Ecuador, not UP	Link
1102283	ANM booked in Aligarh for throwing Covid vaccine filled syringes in dustbin	Link

Notes: [...] "During the inspection 29 such syringes filled with vaccine doses were recovered from

the dustbin by the cold chain manager,” CMO, Aligarh, Dr. BPS Kalyani said on Tuesday. Health officials say it could be a case of fake vaccination where the vaccinator (ANM) filled the vaccine dose in the syringe, pierced the body with the needle but did not inject the vaccine in the body. The vaccine-filled syringes were later dumped in the garbage. Why the vaccinator did it is not clear. [...]

25 Exclusive: Black marketing of vaccine in Silchar Civil, unauthorised centre running inside a chamber

Publication date	2021-05-11
Create date	2021-06-07
Score	6.17
Report id	1086365
Category	Vaccine
Quality	Diverted/Unregistered
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Exclusive: Black marketing of vaccine in Silchar Civil, unauthorised centre running inside a chamber Barak Bulletin

Click here to see the [Original Article](#)

Table 63: Places for report 1086365

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Silchar	24.82733	92.79787

Table 64: Drugs for report 1086365

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: [...] But while pandemic is a tragedy for most, for some, it is an opportunity that they cannot miss. Black marketing of vaccine doses is going inside the premises of Silchar Civil Hospital. The building of Additional Chief Medical and Health Officer within the SM Dev Civil Hospital compound has become a holy corner for the scamsters. In broad daylight, unauthorised vaccination is going on inside a room that is not in compliance with the Ministry of Health and Family Welfare guidelines for a session site where vaccines must be administered. According to a vegetable vendor, he has paid Rs 1000 to get vaccinated inside that room. This black marketing of doses is a greater tragedy than Covid itself. [...]

26 Private hospital in Tindivanam administers fake drug, loses license

Publication date	2021-05-18
Create date	2021-05-20
Score	5.68
Report id	1065122
Category	Vaccine
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Private hospital in Tindivanam administers fake drug, loses license The New Indian Express

Click here to see the [Original Article](#)

Table 65: Places for report 1065122

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Tindivanam	12.234	79.65551

Table 66: Drugs for report 1065122

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 67: Other Stories

ID	Title	Link
1065558	TN private hospital loses license for administering fake Remdesivir injection	Link
1066278	Tamil Nadu: Patient Dies After Receiving Fake Remdesivir Jab At Private Hospital, License Cancelled	Link
1067059	Spurious remdesivir killed Tindivanam doctor, says Tamil Nadu govt	Link

Notes: The Health Department on Tuesday took action on a private hospital in Tindivanam after it was found in violation of the Covid treatment protocol and also for selling fake Remdesivir, allegedly resulting in a patient's death.

The action follows a complaint lodged by the brother of the deceased alleging that fake Remdesivir that was given at the hospital cost the patient his life. Speaking to reporters, Health Minister Ma Subramanian said that one Dr Raman died after the drug was administered, according to his brother. "Medical team also found it was a fake drug. It was also taken to the CM's knowledge," said Subramanian. [...]

27 Gujarat fake remdesivir injections ceased amidst a shortage of supplies

Publication date	2021-05-03
Create date	2021-05-07
Score	4.33
Report id	1045885
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Gujarat fake remdesivir injections ceased amidst a shortage of supplies Times Now

Click here to see the [Original Article](#)

Table 68: Places for report 1045885

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	State of Gujarāt	23	71.75

Table 69: Other Stories

ID	Title	Link
1061589	2,73,000 doses of fake Remdesivir injections seized in Gujarat	Link

Notes: Amidst a shortage of covid supplies and oxygen, 2,73,000 fake remdesivir injections were ceased in Gujarat. The nation is grappling with a shortage of oxygen and injections, and this report has shocked the country. More details are yet to be uncovered by the state authorities, strict action will be taken against those involved in the racket. Last month, a similar misplacement of the vaccine stock was reported by the Maharashtra government. The CBI and state officials looked into the same to trace the package. Similar action will be taken here, with severe punishment for the people involved.

Annex C

C.2. COVID-19 diagnostics

Medicine Quality Monitoring Globe

July 21, 2021



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Filters applied for this report

Search ("Thermometer" OR (("coronavirus kit" OR "RDT" OR "covid test" OR "lateral flow assay" OR "test kit" OR "LFA" OR "COVID kit" OR "Medical device for screening/diagnosis/monitoring" OR "rapid diagnostic test" OR "coronavirus test" OR "antigen test" OR "COVID-19 test" OR "test cassette" OR "In-vitro-diagnostic" OR "cassette test" OR "RT-PCR" OR "IVD" OR "testing kit" OR "qPCR" OR "antibody test" OR "COVID-19 kit" OR "PCR" OR "polymerase chain reaction" OR "ELISA") AND ("COVID-19" OR "COVID" OR "SARS-CoV-2" OR "Coronavirus" OR "CV19" OR "CV-19" OR "SARS" OR "CoV-2"))))

Start date	2021-04-01
End date	2021-05-31
Language	en
Report type	incident
Curation status	validated

1 MMA calls for immediate audit on Covid-19 test kits of questionable quality in the market

Publication date	2021-05-18
Create date	2021-05-24
Score	66.94
Report id	1069032
Category	Medical device for screening/diagnosis/monitoring
Quality	Substandard
Source	Not applicable
Curation	Manually curated
Incident or General	Incident

Snippet: MMA calls for immediate audit on Covid-19 test kits of questionable quality in the market The Star Online

Click here to see the [Original Article](#)

Table 1: Places for report 1069032

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Malaysia	Malaysia	2.5	112.5

Table 2: Other Stories

ID	Title	Link
1069827	Ministry should audit test kits immediately, says MMA	Link
1073888	MMA calls for immediate audit on Covid-19 test kits by Health Ministry	Link
1088469	MMA concerned over Covid-19 test kits of questionable quality in market	Link

Notes: THE Malaysian Medical Association (MMA) is concerned over the quality of some of the RTK Antigen test kits available in the market. There are about 17 RTK Antigen test kits that have been approved by the Medical Device Authority (MDA), but not all have been of acceptable quality. MMA has been receiving complaints from a number of practitioners over some of the RTK Antigen test kits used for Covid-19 screening. Some of these kits have failed

in detecting positive cases. [...]

2 Gang selling fake COVID-19 test kits busted

Publication date	2021-04-14
Create date	2021-04-22
Score	52.84
Report id	1021704
Category	Medical device for screening/diagnosis/monitoring
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Gang selling fake COVID-19 test kits busted INQUIRER.net

Click here to see the [Original Article](#)

Table 3: Places for report 1021704

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Philippines	Quezon City	14.6488	121.0509

Notes: Police rounded up nine people in possession of P30 million worth of fake COVID-19 test kits in an entrapment operation in Quezon City on Tuesday. [...] The contraband was seized in a raid on the group's lair after an undercover operative was able to buy 30 boxes of fake test kits. [...]

3 RAB seizes fake, expired Covid testing kit; 9 arrested

Publication date	2021-04-16
Create date	2021-04-26
Score	46.45
Report id	1024193
Category	Medical device for screening/diagnosis/monitoring
Quality	Substandard
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: RAB seizes fake, expired Covid testing kit; 9 arrested Dhaka Tribune

Click here to see the [Original Article](#)

Table 4: Places for report 1024193

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Bangladesh	Dhaka	23.7104	90.40744

Table 5: Other Stories

ID	Title	Link
1025671	9 remanded for selling substandard COVID-19 testing kits	Link

Notes: Rapid Action Battalion (RAB) has arrested nine people from three organizations for manufacturing and marketing fake, expired and unlicensed testing kits for Covid-19 along with other medical equipment in Dhaka. [...] During the raid, they discovered huge amount of expired medical devices, testing kits which would be used for various diseases including jaundice, diabetes, pneumonia, and cancer. [...]

4 Warning over Covid-19 test kits for sale online - they could be fake or stolen

Publication date	2021-04-15
Create date	2021-04-23
Score	40.91
Report id	1022574
Category	Medical device for screening/diagnosis/monitoring
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Warning over Covid-19 test kits for sale online - they could be fake or stolen Mirror Online

Click here to see the [Original Article](#)

Table 6: Places for report 1022574

Region Name	Country	Location	Latitude	Longitude
Europe	United Kingdom	England	52.16045	-0.70312
Europe	United Kingdom	London	51.50853	-0.12574
Europe	United Kingdom	Portsmouth	50.79899	-1.09125

Notes: There's a thriving black market in Covid-19 test kits being sold via social media sites. Anyone can now apply for a pack of seven tests free from the NHS, but that doesn't seem to have dented the secondary market for kits being sold in bulk.

"The sale of these devices for personal gain and profit is not just reprehensible, it is illegal," said a Department of Health and Social Care spokesman. [...] Among the sellers I found was Vishal Shah of Portsmouth, offering a box of 25 Innova tests for £150 on Facebook. [...] Another seller, using the name Gemma White, was selling the Innova box for £100, down from £120. [...] Another elusive Facebook seller used the name Susan Green and had an Innova box up for grabs for £90. Her recently set-up Facebook account displays zero personal information apart from revealing that she's from Southend-on-Sea in Essex, and the profile picture shows a dog. [...] Rajul Patel, from London, said he was a member of a group called PPE UK and would sell boxes of 25 tests at just £37.50.

I asked how he could sell them so cheaply and he replied: "I'm in the wholesale market with loads of groups, there's always people with stock they want to get rid of, gloves, masks, anything." [...]

5 COVID-19 vaccine scam warning

Publication date	2021-05-21
Create date	2021-05-24
Score	25.41
Report id	1069276
Category	Vaccine, Medical device for screening/diagnosis/monitoring
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: COVID-19 vaccine scam warning MyBroadband

Click here to see the [Original Article](#)

Table 7: Places for report 1069276

Region Name	Country	Location	Latitude	Longitude
		Earth	0	0

Table 8: Other Stories

ID	Title	Link
1069648	Beware of Covid-19 vaccine scams	Link
1095990	Dark Web Getting Loaded With Bogus Covid-19 Vaccines and Forged Cards	Link

Notes: Cybersecurity company McAfee has warned that an increasingly high number of questionable COVID-19 vaccines and illicit proof of vaccination cards are being sold on the dark web.

McAfee said its research showed that COVID-19 vaccines claimed to be from Pfizer-BioNtech and Moderna were currently available on at least a dozen dark web marketplaces. [...]

Annex C

C.3. Personal protective equipment

Medicine Quality Monitoring Globe

July 26, 2021



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Filters applied for this report

Search	(("Personal protective equipment" OR "PPE" OR "protective glasses" OR "apron" OR "n95" OR "gowns" OR "facemask" OR "visor" OR "gloves" OR "goggles" OR "respirator" OR "KN95" OR "face shield" OR "mask") OR ("Medical devices for disease prevention") AND ("COVID-19" OR "COVID" OR "SARS-CoV-2" OR "Coronavirus" OR "CV19" OR "CV-19" OR "SARS" OR "CoV-2"))
Start date	2021-04-01
End date	2021-05-31
Language	en
Report type	incident
Curation status	validated
Number of Reports	16

1 Warehouse of smuggled face shields raided by NBI, Customs | Philippines Lifestyle News

Publication date	2021-05-20
Create date	2021-05-24
Score	33.57
Report id	1068555
Category	Medical devices for disease prevention
Quality	Falsified
Source	Unknown
Curation	Manually curated
Incident or General	Incident

Snippet: Warehouse of smuggled face shields raided by NBI, Customs | Philippines Lifestyle News Philippines Lifestyle

Click here to see the [Original Article](#)

Table 1: Places for report 1068555

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Philippines	Paranaque City	14.48156	121.01749

Table 2: Other Stories

ID	Title	Link
1081939	Fake face shields worth P70M seized in Parañaque City warehouse	Link

Notes: The National Bureau of Investigation-National Capital Region (NBI-NCR), Bureau of Customs, and Philippine Coast Guard joined forces and raided a warehouse in Barangay Don Galo, Parañaque City, where boxes of suspected smuggled face shields were found.

At around 5 pm Thursday, authorities raided the said warehouse after the NBI received a complaint that there were suspected fake and smuggled face shields. [...]

2 Is your N95-style mask failing you? Lab tests show some falling way short of filtration standards

Publication date	2021-04-02
Create date	2021-04-06
Score	25.72
Report id	1005307
Category	Medical devices for disease prevention
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Is your N95-style mask failing you? Lab tests show some falling way short of filtration standards CBC.ca

Click here to see the [Original Article](#)

Table 3: Places for report 1005307

Region Name	Country	Location	Latitude	Longitude
Americas	Canada	Toronto	43.70011	-79.4163

Notes: [...] The imported equivalents include the KN95 respirator, which meets the Chinese standard of 95 per cent filtration efficiency and the KF94, which meets the Korean standard of 94 per cent filtration efficiency.

However, as demand for these masks has grown, so has the presence of counterfeits and poor-quality respirators in Canadian stores.

To find out how much Canadians can trust what they're buying, CBC's Marketplace tested 14 KN95 and KF94 respirator brands purchased from Amazon and big box stores.

Three masks from each brand were tested at a lab at the University of Toronto's Dalla Lana School of Public Health to see if they meet their filtration efficiency claims. Half failed. [...]

3 Mass. Hospital Worker Spots Shipment of Counterfeit Face Masks

Publication date	2021-04-05
Create date	2021-07-22
Score	19.62
Report id	1007639
Category	Medical devices for disease prevention
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Mass. Hospital Worker Spots Shipment of Counterfeit Face Masks NBC10 Boston

Click here to see the [Original Article](#)

Table 4: Places for report 1007639

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Weymouth	42.22093	-70.93977

Table 5: Other Stories

ID	Title	Link
1007482	Hospital worker spots shipment of counterfeit face masks	Link
1007609	Hospital worker in Weymouth spots shipment of counterfeit face masks	Link
1008250	South Shore Hospital Worker Spots Shipment Of Counterfeit N95 Masks	Link
1008321	Hospital worker's sharp eye catches fake mask delivery	Link
1008612	Massachusetts hospital worker spots shipment of counterfeit face masks	Link
1009236	Massachusetts hospital worker with 'watchful eyes' spots fake N95 masks	Link
1010826	How Fake N95s Got Spotted	Link

Notes: A sharp-eyed worker at a Massachusetts hospital is being credited with spotting a

shipment of tens of thousands of counterfeit N95 surgical masks that could have potentially put the health of frontline medical workers at risk, officials said Monday.

Masks and other protective equipment have been in high demand during the coronavirus pandemic, leading to shortages of many products.

James "Barry" O'Shaughnessy, the manager of procurement of South Shore Health in Weymouth with 25 years of experience, recently placed an order for 30,000 masks — but when they arrived, he noticed something was awry.

"The labels on the boxes were placed differently than other shipments," O'Shaughnessy said in a statement. "And the plastic bag inside the boxes had a strange seal. My gut told me something was off." He asked a 3M representative to help inspect the third-party masks that were not from a 3M-authorized distributor. "I sent 20-30 photos of the product to 3M and the representative confirmed my suspicion. The masks were counterfeit," he said. The Department of Homeland Security seized the masks and is investigating.

4 Surgical masks, vaccines among counterfeit goods on the rise online

Publication date	2021-05-10
Create date	2021-06-11
Score	19.11
Report id	1095520
Category	Medical devices for disease prevention, Vaccine
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: On the back of alarming reports that fake Covid-19 vaccines made with chalk, wall-board and even pesticides are being peddled online, the Consumers Association of Singapore (Case) said a rising number of shoppers here have fallen prey to counterfeit goods being passed off as the real deal on e-commerce platforms.

Click here to see the [Original Article](#)

Table 6: Places for report 1095520

Region Name	Country	Location	Latitude	Longitude
		Earth	0	0
Southern Asia	Singapore	Republic of Singapore	1.36667	103.8
		Asia	29.84064	89.29688

Table 7: Drugs for report 1095520

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 8: Other Stories

ID	Title	Link
1053590	Surgical masks, vaccines among counterfeit goods on the rise online	Link

Notes: On the back of alarming reports that fake Covid-19 vaccines made with chalk, wallboard and even pesticides are being peddled online, the Consumers Association of Singapore (Case) said a rising number of shoppers here have fallen prey to counterfeit goods being passed off as the real deal on e-commerce platforms. [...] Cyber Intelligence House, a partner of Interpol and the United Nations Office on Drugs and Crime, alerted The Straits Times on March 16 to different brands of Covid-19 vaccines being sold on Telegram and the dark web. One vendor, claiming to be from the Wuhan Institute of Virology, had advertised an unknown Covid-19 vaccine for 0.0017 bitcoin, or about \$130 a dose. [...] Mr Yasar Yaman, Pfizer global security, regional senior director for the Asia-Pacific, said the company has found counterfeit medicines online, including their Covid-19 vaccine, that were made with wallboard and even pesticides. [...]

5 P65M fake masks, respirators seized

Publication date	2021-04-23
Create date	2021-04-29
Score	18.61
Report id	1033977
Category	Medical devices for disease prevention
Quality	Falsified
Source	Unspecified outlet
Curation	Manually curated
Incident or General	Incident

Snippet: P65M fake masks, respirators seized manilastandard.net

Click here to see the [Original Article](#)

Table 9: Places for report 1033977

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Philippines	Binondo	14.60108	120.97541

Table 10: Other Stories

ID	Title	Link
1055731	BoC seizes fake masks, other medical supplies – The Manila Times	Link

Notes: Among the confiscated items were medical supplies, including Aidelai brand of face mask which is not allowed by the government for distribution in the country. Also found inside the raided warehouse were smuggled BL Creams; lotions; speakers; fake 3M and KN95 face masks; respirators; counterfeit Louis Vuitton, Nike, and Gucci products; and extension cords, among others. [...]

6 Health Ministry cracking down on fake medical masks in Indonesia

Publication date	2021-04-05
Create date	2021-04-07
Score	15.67
Report id	1007105
Category	Medical devices for disease prevention
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Health Ministry cracking down on fake medical masks in Indonesia Coconuts

Click here to see the [Original Article](#)

Table 11: Places for report 1007105

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Indonesia	Republic of Indonesia	-5	120

Notes: The Health Ministry says it is working closely with law enforcement to crack down on the reported spread of fake medical masks in Indonesia.

Local news outlets recently reported their discovery of fake medical grade-labeled face masks being openly sold online and at physical stores.

These encompass surgical masks and N95/KN95 masks — which are recommended for their small particles filtration capabilities — the counterfeit versions of which do not fulfill the ministry's standards, as product tests have shown. [...]

7 Warning over Covid-19 test kits for sale online - they could be fake or stolen

Publication date	2021-04-15
Create date	2021-04-23
Score	12.99
Report id	1022574
Category	Medical device for screening/diagnosis/monitoring
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Warning over Covid-19 test kits for sale online - they could be fake or stolen Mirror Online

Click here to see the [Original Article](#)

Table 12: Places for report 1022574

Region Name	Country	Location	Latitude	Longitude
Europe	United Kingdom	England	52.16045	-0.70312
Europe	United Kingdom	Portsmouth	50.79899	-1.09125
Europe	United Kingdom	London	51.50853	-0.12574

Notes: There's a thriving black market in Covid-19 test kits being sold via social media sites. Anyone can now apply for a pack of seven tests free from the NHS, but that doesn't seem to have dented the secondary market for kits being sold in bulk.

"The sale of these devices for personal gain and profit is not just reprehensible, it is illegal," said a Department of Health and Social Care spokesman. [...] Among the sellers I found was Vishal Shah of Portsmouth, offering a box of 25 Innova tests for £150 on Facebook. [...] Another seller, using the name Gemma White, was selling the Innova box for £100, down from £120. [...] Another elusive Facebook seller used the name Susan Green and had an Innova box up for grabs for £90. Her recently set-up Facebook account displays zero personal information apart from revealing that she's from Southend-on-Sea in Essex, and the profile picture shows a dog. [...] Rajul Patel, from London, said he was a member of a group called PPE UK and would sell boxes of 25 tests at just £37.50.

I asked how he could sell them so cheaply and he replied: "I'm in the wholesale market with loads of groups, there's always people with stock they want to get rid of, gloves, masks, anything." [...]

8 CBP intercepts counterfeit N95 masks worth \$350G that originated in China

Publication date	2021-04-15
Create date	2021-04-23
Score	11.74
Report id	1023154
Category	Medical devices for disease prevention
Quality	Falsified
Source	Seaport
Curation	Manually curated
Incident or General	Incident

Snippet: CBP intercepts counterfeit N95 masks worth \$350G that originated in China Fox News

Click here to see the [Original Article](#)

Table 13: Places for report 1023154

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	China	People's Republic of China	35	105
Americas	United States	Houston	29.76328	-95.36327

Table 14: Other Stories

ID	Title	Link
1023257	\$350,000 worth of fake N95 masks seized at Houston Seaport	Link
1023912	Counterfeit N95 masks from China worth USD 350,000 seized at US' Houston seaport	Link
1024468	US: CBP seizes counterfeit N95 masks that originated from China Indiablooms - First Portal on Digital News Management	Link
1026335	CBP Seizes Counterfeit N95 Masks	Link
1026581	Customs and Border Protection Officers Seize 170,000 Counterfeit N95 Masks in Houston	Link
1027555	\$350K worth of fake N95 masks seized in Houston	Link
1040703	USD 350,000 worth of fake N95 masks seized in US	Link

Notes: U.S. Customs and Border Protection at the Houston Seaport last week intercepted a counterfeit shipment of N95 masks destined for White Plains, New York, the agency revealed Thursday. [...] The shipment arrived at Houston Seaport on April 7, CBP said. Officers examined the shipment and found some 171,460 masks with the National Institute for Occupational Safety and Health logo on the boxes. The officers called the trademark holder who told them that the shipment was not licensed, which indicated that it was counterfeit. [...]

9 Kettering Health accuses supplier of N95 mask fraud

Publication date	2021-05-07
Create date	2021-05-14
Score	11.52
Report id	1051017
Category	Medical devices for disease prevention
Quality	Falsified
Source	Distributor/Wholesaler
Curation	Manually curated
Incident or General	Incident

Snippet: Kettering Health accuses supplier of N95 mask fraud Dayton Daily News

Click here to see the [Original Article](#)

Table 15: Places for report 1051017

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Kettering	39.6895	-84.16883

Table 16: Other Stories

ID	Title	Link
1056269	Promo Distributor Sued Over Alleged Undelivered, Counterfeit N95 Masks	Link

Notes: [...] On Dec. 10 — around when Ohio hospitals were hitting peak surge — Kettering ordered 300,000 masks at \$1.19 million, or a little under \$4 per mask. Before the pandemic, these masks typically cost about \$1 or less.

The hospital claims it had concerns the masks were counterfeit after they arrived, including that one employee had an allergic reaction to the mask during fit testing. [...] Kettering said the system sent information to 3M for authenticity and in January 2021, 3M called the supplier "suspicious" and then later that month followed up and said "the product from this seller is counterfeit and we recommend you DO NOT use product from this seller." [...]

10 Mosaic Brands fined \$630,000 over misleading face mask and hand sanitiser claims

Publication date	2021-05-27
Create date	2021-06-07
Score	10.49
Report id	1084248
Category	Medical devices for disease prevention, Antiseptic
Quality	Substandard
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Mosaic Brands fined \$630,000 over misleading face mask and hand sanitiser claims
SBS News

Click here to see the [Original Article](#)

Table 17: Places for report 1084248

Region Name	Country	Location	Latitude	Longitude
Melanesia	Australia	Commonwealth of Australia	-25	135

Table 18: Other Stories

ID	Title	Link
1086752	False hand sanitiser and face mask claims spark fines for Noni B, Rivers owner	Link
1088088	Australian retailer Mosaic Brands fined \$630,000 for misleading hand sanitiser claims	Link

Notes: [...] The breaches included inaccurately advertising hand sanitiser as containing 70 per cent alcohol, when it actually only contained 17 per cent, and falsely claiming a different sanitiser was approved by the World Health Organization. Australian Competition and Consumer Commission (ACCC) deputy chair Delia Rickard said a second hand sanitiser, sold by Millers, contained only 58 per cent alcohol despite claims it was 75 per cent alcohol. [...] "Our investigation also found that Mosaic Brands' Kids KN95 mask was not certified by European and US standard authorities as they had advertised." [...]

11 Federal government seizes \$3.6 million from company that sold Maine counterfeit masks

Publication date	2021-05-17
Create date	2021-05-19
Score	9.25
Report id	1063771
Category	Medical devices for disease prevention
Quality	Falsified
Source	Distributor/Wholesaler
Curation	Manually curated
Incident or General	Incident

Snippet: Federal government seizes \$3.6 million from company that sold Maine counterfeit masks Press Herald

Click here to see the [Original Article](#)

Table 19: Places for report 1063771

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Maine	45.50032	-69.24977

Table 20: Other Stories

ID	Title	Link
1064609	Feds seize \$3.6M from company over sale of fake N95 masks	Link
1064746	Feds Seize \$3.6M From Company Over Sale of Fake N95 Masks	Link
1064828	Feds seize \$3.6M from company over sale of fake N95 masks to Maine, other states	Link
1067928	Feds seize \$3.6M from Eugene company over sale of fake N95 masks to state of Maine	Link
1088017	Feds seize \$3.6M from Eugene company over sale of fake N95 masks	Link
1088640	Feds seize \$3.6M from company over sale of fake N95 masks to	Link
1095361	Feds seize \$3.6M from Oregon company over sale of fake N95 masks to state of Maine	Link

Notes: [...] The U.S. Attorney for the District of Maine has now filed a federal civil lawsuit seeking to force the company, Med-Tech Resource LLC of Eugene, Oregon, to forfeit the money and reimburse the state for 1.8 million fake 3M respirators purchased by the Division of Procurement Services.

The complaint alleges that the \$3.6 million must be forfeited because it was derived from unlawful activity, specifically wire fraud and trafficking in counterfeit goods, according to the claim filed Friday in U.S. District Court in Portland. [...]

12 Man nabbed after suspected fake respirators worth over \$200000 seized in operation

Publication date	2021-04-21
Create date	2021-04-28
Score	7.63
Report id	1029657
Category	Medical devices for disease prevention
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Man nabbed after suspected fake respirators worth over \$200000 seized in operation
The Straits Times

Click here to see the [Original Article](#)

Table 21: Places for report 1029657

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Singapore	Republic of Singapore	1.36667	103.8

Table 22: Other Stories

ID	Title	Link
1030193	Man arrested for selling suspected counterfeit respirators, including N95 masks	Link
1030825	Man nabbed over alleged sale of suspected fake respirators online	Link

Notes: In a first here, the authorities have arrested a 34-year-old man for his alleged involvement in the online sales of suspected counterfeit respirators, after more than 41,000 units of the device were seized during an operation. [...]

13 'Fake' masks sold online, NGO seeks checks; Bombay HC issues notice to Centre

Publication date	2021-05-22
Create date	2021-05-26
Score	5.86
Report id	1071075
Category	Medical devices for disease prevention
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: 'Fake' masks sold online, NGO seeks checks; Bombay HC issues notice to Centre Times of India

Click here to see the [Original Article](#)

Table 23: Places for report 1071075

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Mumbai	19.07283	72.88261

Notes: The Bombay high court (HC) has issued a notice to the Centre, seeking its response to a public interest litigation on manufacture and sale of "fake/spurious" medical grade face masks on e-commerce sites. [...] The NGO cited its experience with Amazon when it placed a bulk order on May 2 for 400 surgical masks for BMC healthcare workers. The masks were delivered on May 8, but did not conform to the description advertised. The website represented it would be of 'The Mask Lab, 3 ply surgical face mask – international ASTM level certified for virus, dust, air borne particles, pollution.' [...]

14 MOH suspends circulation of certain face masks

Publication date	2021-05-21
Create date	2021-06-02
Score	5.76
Report id	1081084
Category	Medical devices for disease prevention
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: MOH suspends circulation of certain face masks Times of Oman

Click here to see the [Original Article](#)

Table 24: Places for report 1081084

Region Name	Country	Location	Latitude	Longitude
Western Asia	Oman	Muscat	23.58413	58.40778

Notes: The Ministry of Health issues a circular stopping the circulation of one of the types of face masks, indicating that it is contaminated with dust and impurities and does not meet the quality standards. The ministry said, "The Ministry of Health issued a circular to withdraw and suspend the circulation of face masks with a registration number: SM 998734. The name of the manufacturer was not specified on it, and through the technical examination, it was found that all masks are contaminated with dust and impurities and do not meet the quality standards. [...]"

15 Health Canada recalls masks containing graphene as it assesses risks to people

Publication date	2021-04-03
Create date	2021-04-06
Score	5.57
Report id	1005409
Category	Medical devices for disease prevention
Quality	Substandard
Source	Distributor/Wholesaler
Curation	Manually curated
Incident or General	Incident

Snippet: Health Canada recalls masks containing graphene as it assesses risks to people Yahoo News Canada

Click here to see the [Original Article](#)

Table 25: Places for report 1005409

Region Name	Country	Location	Latitude	Longitude
Americas	Canada	Canada	60.10867	-113.64258

Table 26: Other Stories

ID	Title	Link
1007293	Health Canada face mask recall impacts tech company with Northern Ontario graphite deposit	Link
1007848	Health Canada recalls face masks with graphene due to potential health risks News	Link
1007922	Health Canada recalls face-masks with graphene due to health risks iNFOnews Thompson-Okanagan's News Source	Link
1009764	Health Canada face mask recall impacts tech company with Collingwood production site	Link

Notes: Sun., April 4, 2021, 3:46 a.m. · 1 min read

Health Canada has issued a recall on disposable masks containing a material made of tiny particles it says could pose a danger if inhaled.

The agency is advising people not to wear masks with graphene or biomass graphene because its preliminary assessment of the available research suggests the particles cause early lung toxicity in animals, though the risks to humans are not yet known. [...] It has directed distributors, importers and manufacturers to stop selling the masks and has also advised provinces and territories to halt their use. [...]

16 Police seize 25,000 counterfeit masks in north-east raid

Publication date	2021-05-03
Create date	2021-05-07
Score	5.26
Report id	1046581
Category	Medical devices for disease prevention
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Police seize 25,000 counterfeit masks in north-east raid Grampian Online

Click here to see the [Original Article](#)

Table 27: Places for report 1046581

Region Name	Country	Location	Latitude	Longitude
Europe	United Kingdom	Dyce	57.20522	-2.17676
Eastern Asia	Hong Kong	Hong Kong	22.26686	114.17885
Europe	United Kingdom	London	51.50853	-0.12574

Table 28: Other Stories

ID	Title	Link
1045826	Police seize more 25,000 counterfeit face masks from properties in Aberdeen	Link
1045999	Police seize more than 25,000 counterfeit face masks from properties in Aberdeen	Link
1048452	Police seize 25000 counterfeit masks in north-east raid	Link

Notes: Last week officers from the City of London Police's Police Intellectual Property Crime Unit seized 25,000 counterfeit face masks from a property and storage unit in Dyce.

The investigation began after Border Force received intelligence that counterfeit face masks were coming into the United Kingdom from Hong Kong. [...]

Annex C

C.4. Sanitisers and disinfectants

Medicine Quality Monitoring Globe

July 21, 2021



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Filters applied for this report

Search	("wipes" OR "disinfectant" OR "sanitizer" OR "sanitizing" OR "iodoform" OR "sanitiser")
Start date	2021-04-01
End date	2021-05-31
Language	en
Report type	incident
Curation status	validated
Number of Reports	17

1 Tamil Nadu: 132 companies booked for selling substandard drugs, hand-rubs

Publication date	2021-04-17
Create date	2021-04-26
Score	16.74
Report id	1024996
Category	Antiseptic, Other
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Tamil Nadu: 132 companies booked for selling substandard drugs, hand-rubs Times of India

Click here to see the [Original Article](#)

Table 1: Places for report 1024996

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Chennai	13.08784	80.27847

Table 2: Drugs for report 1024996

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: The state drug control department has booked 132 private companies for producing and selling substandard drugs and hand sanitizers during the pandemic. The booked firms were found using high levels of toxic methanol while preparing sanitizers. [...]

2 C&G Laboratorios SA de CV - 610782 - 04/26/2021 - 2021-05-11

Publication date	2021-05-11
Create date	2021-05-14
Score	16.32
Report id	1056092
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Finished Pharmaceuticals/Unapproved New Drug/Misbranded

Click here to see the [Original Article](#)

Table 3: Places for report 1056092

Region Name	Country	Location	Latitude	Longitude
Americas	Mexico	Benito Juarez	19.3984	-99.15766
Americas	United States	United States	39.76	-98.5

Table 4: Drugs for report 1056092

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] HAND SANITIZER DISINFECTANT GEL, manufactured at your facility, is labeled to contain 70% volume/volume (v/v) of the active ingredient, ethyl alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained on average 1.1% ethanol and an average of 65% methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous

chemical when in contact with human skin or ingested. [...]

3 Roque Plast S.A. de C.V. - 609492 - 04/09/2021 - 2021-04-13

Publication date	2021-04-13
Create date	2021-04-20
Score	16.14
Report id	1019654
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 5: Places for report 1019654

Region Name	Country	Location	Latitude	Longitude
Americas	Mexico	Atizapán de Zaragoza	22.8311	-98.59037

Table 6: Drugs for report 1019654

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] Roque Plast Hand Sanitizer, labeled as manufactured at your facility, is labeled to contain 70% volume/volume (v/v) of the active ingredient alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that it contained an average of 38% ethanol v/v and 25% of methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. [...]

4 MYM Hidrominerales S.A. de C.V. - 610066 - 04/09/2021 - 2021-04-13

Publication date	2021-04-13
Create date	2021-04-20
Score	15.94
Report id	1019652
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 7: Places for report 1019652

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Americas	Mexico	San Gregorio Atzompa	19.02349	-98.34822

Table 8: Drugs for report 1019652

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] Protz real protection ANTIBACTERIAL HAND SANITIZER, labeled as manufactured at your facility, is labeled to contain 70% volume/volume (v/v), of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained on average 0.05% ethanol and an average of 79% methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in

part with methanol, a dangerous chemical when in contact with human skin or ingested. [...]

5 Hou Fu Biotech - 611644 - Jiangsu Co., Ltd - 2021-04-20

Publication date	2021-04-20
Create date	2021-04-28
Score	15.57
Report id	1028564
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 9: Places for report 1028564

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	China	Nantong	32.03028	120.87472
Americas	United States	United States	39.76	-98.5

Table 10: Drugs for report 1028564

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01
	Antiseptics	throat preparations	R02AA

Notes: [...] PANROSA Instant Hand Sanitizer, declared to be manufactured at your facility, is labeled to contain 70% volume/volume (v/v) of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained an average of only 45% v/v ethanol. This hand sanitizer drug product is adulterated under section 501(c) of the FD&C Act in that the active ingredient of ethanol is present at levels in the product lower than that which is declared on its label. [...]

6 Another Recall of Contaminated Hand Sanitizers Announced

Publication date	2021-04-29
Create date	2021-05-05
Score	13.62
Report id	1041850
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Another Recall of Contaminated Hand Sanitizers Announced MedPage Today

Click here to see the [Original Article](#)

Table 11: Places for report 1041850

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Notes: [...] On Wednesday, the FDA announced that Scentsational Soaps & Candles had issued a voluntary nationwide recall of scented hand sanitizers due to the presence of benzene, methanol, and acetaldehyde. Recalled lots of hand sanitizer had been distributed nationwide through Ulta Beauty, TJ Maxx, and Marshalls retail stores, according to the announcement [...]

7 Chhattisgarh: Fake hand sanitizer factory busted in Raipur

Publication date	2021-05-07
Create date	2021-05-11
Score	13.50
Report id	1051442
Category	Antiseptic
Quality	Substandard
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: Chhattisgarh: Fake hand sanitizer factory busted in Raipur Free Press Journal

Click here to see the [Original Article](#)

Table 12: Places for report 1051442

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Raipur	21.23333	81.63333

Notes: A joint team of Food and Drug Administration and Police department carried out a raid at the premises of a cloth businessman in Raipur and seized a cache of adulterated sanitizer. A raid was carried on the business premises of Rakesh Somani, cloth merchant of Devendra Nagar, Raipur and recovered fourteen thousand liters of adulterated sanitizer, a police officer said. [...]

8 Fake hand sanitizer racket busted inside Surat farm

Publication date	2021-05-09
Create date	2021-05-12
Score	13.39
Report id	1053408
Category	Antiseptic
Quality	Falsified
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: Fake hand sanitizer racket busted inside Surat farm Times of India

Click here to see the [Original Article](#)

Table 13: Places for report 1053408

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Sūrāt	21.19594	72.83023

Notes: Prevention of crime branch team has busted a fake hand sanitizer manufacturing and distribution racket operating from a farm in Mota Varachha. [...] Nearly 1,200 litres methyl alcohol, 900 litre fake sanitizer, 1,300 containers and other material was seized. [...]

9 11 hand sanitiser brand samples fail in analytical test

Publication date	2021-05-28
Create date	2021-06-02
Score	12.71
Report id	1079370
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: 11 hand sanitiser brand samples fail in analytical test The Hitavada

Click here to see the [Original Article](#)

Table 14: Places for report 1079370

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Republic of India	22	79

Table 15: Drugs for report 1079370

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] Recent analytical report of 11 samples of hand sanitisers sent by State Drug Control and Central Drug Control Authorities revealed that they have failed the test. Out of these, four samples were declared as spurious while six samples as ‘Not of Standard’ quality and one sample as ‘misbranded’. [...]

10 CCF seizes over 40 tonnes of counterfeit sanitisers amid Covid outbreak

Publication date	2021-05-19
Create date	2021-05-20
Score	12.69
Report id	1065853
Category	Antiseptic
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: CCF seizes over 40 tonnes of counterfeit sanitisers amid Covid outbreak The Phnom Penh Post

Click here to see the [Original Article](#)

Table 16: Places for report 1065853

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Cambodia	Phnom Penh	11.56245	104.91601

Table 17: Drugs for report 1065853

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: More than 40 tonnes of counterfeit alcohol sanitisers have been seized nationwide since the Covid-19 outbreak of February 20, according to the Ministry of Commerce's General Directorate of Consumer Protection, Competition and Fraud Repression (CCF). [...] CCF officials on May 18 confiscated 183 cans – more than 5,000 litres – of counterfeit alcohol sanitiser in Prey Sar commune's Prakar village in Phnom Penh's Dangkor district. [...]

11 These 27 hand sanitizers have been recalled by Health Canada in 2021

Publication date	2021-04-05
Create date	2021-04-07
Score	12.54
Report id	1007871
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: These 27 hand sanitizers have been recalled by Health Canada in 2021 Toronto.com

Click here to see the [Original Article](#)

Table 18: Places for report 1007871

Region Name	Country	Location	Latitude	Longitude
Americas	Canada	Canada	60.10867	-113.64258

Table 19: Other Stories

ID	Title	Link
1009301	News These 27 hand sanitizers have been recalled by Health Canada in 2021	Link

Notes: Since the start of the year, Health Canada has recalled 27 hand sanitizers that do not meet the health agency's requirements.

These include brands that contain, or possibly contain, ingredients that are not permitted by Health Canada (such as ethyl acetate, methanol and 1-propanol); have improper labelling; are missing risk statements; are unauthorized for sale in Canada; are being sold without proper product testing; are counterfeit; or have defective packaging. [...]

12 These 37 hand sanitizers have been recalled by Health Canada in 2021

Publication date	2021-05-13
Create date	2021-05-14
Score	12.54
Report id	1059219
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: These 37 hand sanitizers have been recalled by Health Canada in 2021 mykawartha.com

Click here to see the [Original Article](#)

Table 20: Places for report 1059219

Region Name	Country	Location	Latitude	Longitude
Americas	Canada	Canada	60.10867	-113.64258

Table 21: Other Stories

ID	Title	Link
1070563	News These 37 hand sanitizers have been recalled by Health Canada in 2021 OurWindsor.Ca 0	Link

Notes: Since the start of the year, Health Canada has recalled 37 hand sanitizers that do not meet the health agency's requirements.

These include brands that contain, or possibly contain, ingredients that are not permitted by Health Canada (such as ethyl acetate, methanol and 1-propanol); have improper labelling; are missing risk statements; are unauthorized for sale in Canada; are being sold without proper product testing; are counterfeit; or have defective packaging. [...]

13 Incredible Products, SA de CV - Finished Pharmaceuticals/ Unapproved New Drug/Misbranded/Adulterated - Jalisco - 2021-05-27

Publication date	2021-05-27
Create date	2021-06-04
Score	12.09
Report id	1083350
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: WARNING LETTER Incredible Products, SA de CV MARCS-CMS 609503 — May 27, 2021 Share Tweet Linkedin Email Print Delivery Method: VIA UPS Product: Drugs Recipient: Recipient Name Diego Lomeli Pelayo Recipient Title Co-Owner Incredible Products, SA de CV Calle Castellanos y Tapia No. 921 Col. Santa Maria 44350 Guadalajara , Jal. Mexico Issuing Office: Center for Drug Evaluation and Research United States Warning Letter 320-21-47 May 27, 2021 Dear Mr. Pelayo: Your firm is registered as a human drug manufacturer. The U.S. Food and Drug Administration (FDA) conducted testing of a consumer antiseptic hand rub drug product (also referred to as consumer hand sanitizer) labeled as GELBACT ANTIBACTERIAL HAND GEL. This drug product is labeled as manufactured by your facility, Incredible Products S.A. de C.V., FEI 3009788529, Calle Castellanos y Tapia No. 921, Col. Santa Maria, Guadalajara, Jalisco 44350 Mexico. Following an attempt to import GELBACT ANTIBACTERIAL HAND GEL into the United States, it was detained and refused admission at the border. The results of the FDA laboratory testing of a batch of this product detained at the border demonstrate that this drug product, labeled as manufactured at your facility, is adulterated within the meaning of section 501(d)(2) of the Federal Food, Drug, and Cosmetic Act (FD&C Act or the Act), 21 U.S.C. 351(d)(2), in that a substance was substituted wholly or in part therefor. In addition, this product is adulterated within the meaning of section 501(a)(2)(B) of the FD&C Act (21 U.S.C. 351(a)(2)(B)), in that the substitution demonstrates that the quality assurance within your facility is not functioning in accordance with Current Good Manufacturing Practice (CGMP) requirements. In addition, GELBACT ANTIBACTERIAL HAND GEL is an unapproved new drug introduced or delivered for introduction into interstate commerce in violation of section 505(a) of the FD&C Act, 21 U.S.C. 355(a) and is misbranded under sections 502(j), (a), (e), (x) and (ee) of the FD&C Act, 21 U.S.C. 352(j), (a), (e), (x) and (ee). Introduction or delivery for introduction of such products into interstate commerce is prohibited under sections 301(d) and (a) of the FD&C Act, 21 U.S.C. 331(d) and (a). These violations are described in more detail below. Adulteration Violations GELBACT ANTIBACTERIAL HAND GEL, labeled as manufactured at your facility, is labeled to contain 80% volume/volume (v/v) of the active ingredient

alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that this product contained an average of 1.2% ethanol and 67% methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. Methanol is not an acceptable ingredient for hand sanitizers and should not be used due to its toxic effects. Skin exposure to methanol can cause dermatitis, as well as transdermal absorption with systemic toxicity. Substantial methanol exposure can result in nausea, vomiting, headache, blurred vision, permanent blindness, seizures, coma, permanent damage to the nervous system, or death. Although all persons using these products on their hands are at risk, young children who accidentally ingest these products, and adolescents and adults who drink these products as an alcohol (ethanol) substitute, are most at risk for methanol poisoning. On July 30, 2020, FDA held a teleconference with you and PCGI Wholesale, your registered U.S. agent. We recommended you consider removing all of your firm's hand sanitizer drug products currently in distribution to the U.S. market. On July 30, 2020, FDA notified the public of methanol contamination of your hand sanitizer at the following website: <https://www.fda.gov/drugs/drug-safety-and-availability/fda-updates-hand-sanitizers-consumers-should-not-use> On August 6, 2020, you issued a voluntary nationwide recall of GELBACT ANTIBACTERIAL HAND GEL due to potential presence of undeclared methanol (wood alcohol) as noted on the following FDA website: <https://www.fda.gov/safety/recalls-market-withdrawals-safety-alerts/incredible-products-sa-de-cv-issues-voluntary-nationwide-recall-gelbac-t-antibacterial-handgel> In response to this letter, provide the following:

- A detailed investigation into how the drug product described above, which was labeled as containing ethanol, was substituted in part or in whole with methanol.
- A list of all raw materials used to manufacture all of your hand sanitizer drug products, including the suppliers' names, addresses, and contact information.
- A list of all batches of any hand sanitizer drug products shipped to the United States by your firm, and a full reconciliation of all material you distributed.
- Copies of the complete batch records for all batches distributed to the U.S.
- During a teleconference with the FDA on July 30, 2020, you stated that you rely on the certificate of analysis (COA) of your incoming alcohol raw materials. Discuss the corrective action to remediate this issue in your response. The substitution and contamination with methanol in a drug product labeled as manufactured in your facility demonstrates that the quality assurance within your facility is not functioning in accordance with CGMP requirements under section 501(a)(2)(B) of the FD&C Act.

1 Unapproved New Drug and Misbranding Violation GELBACT ANTIBACTERIAL HAND GEL is a "drug" as defined by section 201(g)(1)(B) of the FD&C Act, 21 U.S.C. 321(g)(1)(B), because it is intended for use in the diagnosis, cure, mitigation, treatment, or prevention of disease, and/or under section 201(g)(1)(C) of the FD&C Act, 21 U.S.C. 321(g)(1)(C), because it is intended to affect the structure or any function of the body. Specifically, this product is intended as a consumer antiseptic hand rub. Examples of claims observed on the GELBACT ANTIBACTERIAL HAND GEL product label that provide evidence of the intended use (as defined in 21 CFR 201.128) of the product include, but may not be limited to, the following: "Drug Facts...Purpose: Antiseptic...USES...Hand sanitizer to help decrease bacteria on the skin." "Directions...Apply the gel on the hands, rub and distribute evenly. Let dry at room temperature." This topical antiseptic product is a "new drug" within the meaning of section 201(p) of the FD&C Act, 21 U.S.C. 321(p), because it is not generally recognized as safe and effective (GRASE) for use under the conditions prescribed, recommended, or suggested in its labeling. New drugs may not be introduced or delivered for introduction into interstate commerce without prior approval from FDA, as described in section 505(a) of the FD&C Act, 21 U.S.C. 355(a), unless they are lawfully marketed under section 505G of the FD&C

Act (which is not the case for this product, as further described below) or other exceptions not applicable here. No FDA-approved application pursuant to section 505 of the FD&C Act, 21 U.S.C. 355, is in effect for this drug product, nor are we aware of any adequate and well-controlled clinical studies in the published literature that support a determination that your GELBACT ANTIBACTERIAL HAND GEL drug product is GRASE for use under the conditions suggested, recommended, or prescribed in its labeling. Accordingly, this product is an unapproved new drug marketed in violation of sections 505(a) and 301(d) of the FD&C Act, 21 U.S.C 355(a) and 331(d). We note that over-the-counter (OTC) topical antiseptic products had been the subject of rulemaking under the Agency's OTC Drug Review. In particular, such products were addressed in a tentative final monograph (TFM) entitled "Topical Antimicrobial Drug Products for Over-the-Counter Human Use; Tentative Final Monograph for Health-Care Antiseptic Drug Products," Proposed Rule, 59 FR 31402 (June 17, 1994) (1994 TFM), as further amended by the "Safety and Effectiveness of Consumer Antiseptics; Topical Antimicrobial Drug Products for Over-the-Counter Human Use; Proposed Amendment of the Tentative Final Monograph; Reopening of Administrative Record," Proposed Rule, 81 FR 42912 (June 30, 2016) (Consumer Antiseptic Rubs Proposed Rule). Over the course of these rulemakings, three active ingredients (benzalkonium chloride, ethyl alcohol (ethanol), and isopropyl alcohol) were classified as Category III for use as consumer antiseptic rub products, meaning that additional safety and effectiveness data are needed to support a determination that a drug product containing one of these active ingredients would be GRASE for use as a consumer antiseptic rub. Section 505G of the FD&C Act addresses nonprescription drugs marketed without an approved application. Under section 505G(a)(3) of the FD&C Act, drugs that were classified as Category III for safety or effectiveness in a TFM that is the most recently applicable proposal or determination for such drug issued under 21 CFR Part 330 – and that were not classified as Category II for safety or effectiveness – are not required to have an approved application under section 505 in order to be marketed, as long as they are in conformity with the relevant conditions of use outlined in the applicable TFM, including the active ingredient, and comply with all other applicable requirements. However, GELBACT ANTIBACTERIAL HAND GEL does not conform to the 1994 TFM, as further amended by the 2016 Consumer Antiseptic Rubs Proposed Rule, nor any other TFM, proposed rule, or final rule, and does not meet the conditions under section 505G(a)(3) of the FD&C Act, for marketing without an approved application under section 505. According to the product label, GELBACT ANTIBACTERIAL HAND GEL purportedly contains the active ingredient ethyl alcohol 80%. However, as previously discussed, FDA laboratory analyses of a batch of this product detained at the border demonstrated that GELBACT ANTIBACTERIAL HAND GEL contains ethanol in a concentration that is less than the 80% stated on its product label and less than the amount of ethanol described in the 1994 TFM. 2 Such a product does not conform with the TFM or the applicable requirements, nor is it consistent with the formulations described in the guidances setting forth FDA's temporary policies for hand sanitizers during the COVID-19 public health emergency. 3 FDA laboratory analyses also demonstrated that a batch of GELBACT ANTIBACTERIAL HAND GEL contains significant concentrations of the undeclared ingredient methyl alcohol (methanol). Use of methanol as an active ingredient is not in conformance with the 1994 TFM, nor is methanol included in the formulations described in FDA's Temporary Policy for Preparation of Certain Alcohol-Based Hand Sanitizer Products During the Public Health Emergency (COVID-19) Guidance for Industry. Furthermore, methanol is not acceptable as an inactive ingredient in hand sanitizers. As previously discussed, methanol has significant and sometimes fatal toxic effects and, therefore, does not meet the requirements under 21 CFR 330.1(e) that a product's inactive ingredients be safe and suitable. 4 Additionally, this methanol-containing drug product, GELBACT ANTIBACTERIAL HAND GEL,

is misbranded under sections 502(j), (a), (e), (x), and (ee) of the FD&C Act, 21 U.S.C. 352(j), (a), (e), (x), and (ee). It is misbranded under section 502(j) of the FD&C Act, 21 U.S.C. 352(j), because it is dangerous to health when used according to its labeling as a hand sanitizer. As previously stated, skin exposure to methanol could lead to systemic absorption, and substantial methanol exposure can potentially result in, among other things, blindness, permanent nervous system damage, and even death. This hand sanitizer is misbranded under section 502(a) of the FD&C Act, 21 U.S.C. 352(a), because its labeling is false or misleading. As noted above, GELBACT ANTIBACTERIAL HAND GEL is labeled to contain ethyl alcohol 80%. However, FDA laboratory analysis of a batch of this product demonstrate that the product contains a concentration of ethyl alcohol (ethanol) that is less than what is stated on the product label and contains a significant concentration of methyl alcohol (methanol), an ingredient that is not declared on the product label. Section 201(n) of the FD&C Act, 21 U.S.C. 321(n), provides that "in determining whether the labeling or advertising is misleading there shall be taken into account . . . not only representations made or suggested . . . but also the extent to which the labeling or advertising fails to reveal facts material in the light of such representations or material with respect to consequences which may result . . ." Thus, the misleading representation of the concentration of the active ingredient ethyl alcohol (ethanol), and the failure of the product label to disclose the presence of the methyl alcohol (methanol) in the product, causes this product to be misbranded under section 502(a) of the FD&C Act, 21 U.S.C. 352(a). The failure of this product to list methyl alcohol (methanol) as an ingredient on its label causes also causes it to be misbranded under section 502(e)(1)(A) of the FD&C Act, 21 U.S.C. 352(e)(1)(A). Furthermore, GELBACT ANTIBACTERIAL HAND GEL is misbranded under section 502(x) of the FD&C Act, 21 U.S.C. 352(x), because the product labels fails to disclose a domestic address or domestic telephone number through which the responsible person may receive a report of a serious adverse event with such drug. Lastly, this product is misbranded under section 502(ee) of the FD&C Act, 21 U.S.C. 352(ee) because GELBACT ANTIBACTERIAL HAND GEL is a nonprescription drug subject to section 505G of the FD&C Act, 21 U.S.C. 355h, but does not comply with the requirements for marketing under that section and is not the subject of an application approved under section 505 of the FD&C Act, 21 U.S.C. 355. The introduction or delivery for introduction of a misbranded drug into interstate commerce is prohibited under section 301(a) of the FD&C Act, 21 U.S.C. 331(a). CGMP Consultant Recommended Based upon the nature of the violations we identified at your firm, we strongly recommend engaging a consultant qualified, as set forth in 21 CFR 211.34, to evaluate your operations and to assist your firm in meeting CGMP requirements if your firm intends to resume manufacturing drugs for the U.S. market. We also recommend that the qualified consultant perform a comprehensive audit of your entire operation for CGMP compliance and that the consultant evaluates the completion and efficacy of your corrective actions and preventive actions before you pursue resolution of your firm's compliance status with FDA. Your use of a consultant does not relieve your firm's obligation to comply with CGMP. Your firm's executive management remains responsible for resolving all deficiencies and systemic flaws to ensure ongoing CGMP compliance. Conclusion The violations cited in this letter are not intended to be an all-inclusive list of violations associated with your drug products. You are responsible for investigating and determining the causes of these violations and for preventing their recurrence or the occurrence of other violations. Note that FDA placed all drugs and drug products manufactured by your firm on Import Alert 66-78 on August 13, 2020, as the methods used in and controls used for the manufacture, processing, packing, or holding of these products do not appear to conform to current good manufacturing practices within the meaning of section 501(a)(2)(B) of the FD&C Act. Drugs and drug products that appear to be adulterated or misbranded may be detained or refused admission without physical

examination. All drugs and drug products manufactured by your firm may remain listed on this import alert until there is evidence establishing that the conditions that gave rise to the appearance of a violation have been resolved, and the Agency has confidence that future entries will be in compliance with the FD&C Act. This may include an inspection prior to the Agency considering the appearance of adulteration to be addressed. If you decide you want to manufacture drugs for the United States in the future, request a Regulatory Meeting to discuss corrective actions. This letter notifies you of our findings and provides you an opportunity to address the above deficiencies. After you receive this letter, respond to this office in writing within 15 working days. Specify what you have done to address any violations and to prevent their recurrence. In response to this letter, you may provide additional information for our consideration as we continue to assess your activities and practices. If you cannot do so within 15 working days, state your reasons for delay and your schedule for completion. Send your electronic reply to CDER-OC-OMQ-Communications@fda.hhs.gov. Please Identify your response with FEI 3011274338 and ATTN: Daniel W. Brisker. Sincerely, /S/ Francis Godwin Director Office of Manufacturing Quality Office of Compliance Center for Drug Evaluation and Research CC: Registered US Agent Gerardo Acevedo PCGI Wholesale pacific_coastgbl@hotmail.com

1 Due to an increased demand for alcohol-based hand sanitizers during the COVID-19 pandemic, FDA published the Guidance for Industry: Temporary Policy for Preparation of Certain Alcohol-Based Hand Sanitizer Products During the Public Health Emergency (COVID-19) on March 19, 2020, and subsequently updated the guidance several times, most recently on February 10, 2021. This guidance communicates the Agency's temporary policy that we do not intend to take action against firms for CGMP violations under section 501(a)(2)(B) of the FD&C Act if such firms prepare alcohol-based hand sanitizers for consumer use (or for use as a health care personnel hand rub) during the public health emergency, provided certain circumstances described in the guidance are present. These circumstances include preparation of hand sanitizer products using only the ingredients and formulas set forth in the guidance. In addition to the violative sample results detailed above that demonstrate the substitution of the hand sanitizer product manufactured at your facility, a review of the purported formulations on the drug product's labeling further indicates that such a product is not prepared consistent with FDA's temporary policy set forth in the guidance. Therefore, this product does not fall within the Agency's temporary policy not to take action against firms manufacturing hand sanitizer products for violations of section 501(a)(2)(B) of the FD&C Act. 2 The 1994 TFM, which does not distinguish between antiseptic hand washes and rubs, proposed for antiseptic handwashes and healthcare personnel handwashes an alcohol concentration of "60 to 95 percent by volume in an aqueous solution denatured according to Bureau of Alcohol, Tobacco and Firearms regulations in 27 CFR part 20." 59 FR at 31442. Later amendments to the 1994 TFM distinguished between antiseptic hand washes and rubs, and between consumer and healthcare personnel antiseptics, but did not change the alcohol concentration originally proposed in 1994. 3 See, e.g., Temporary Policy for Preparation of Certain Alcohol-Based Hand Sanitizer Products During the Public Health Emergency (COVID-19) . Because GELBACT ANTIBACTERIAL HAND GEL is not consistent with the formulations in these guidances, it does not fall within any temporary Agency policy not to take action against firms manufacturing hand sanitizer products for violations of section 505 of the FD&C Act. 4 An inactive ingredient used in OTC monograph drugs must meet the requirements of 21 CFR 330.1(e), which requires, among other things, that inactive ingredients must be safe in the amount administered. Content current as of: 06/01/2021 Regulated Product(s) Drugs More Warning Letters Warning Letters About Warning and Close-Out Letters

Click here to see the [Original Article](#)

Table 22: Places for report 1083350

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Americas	Mexico	Guadalajara	20.66682	-103.39182

Table 23: Drugs for report 1083350

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01
	Antiseptics	throat preparations	R02AA

Notes: [...] GELBACT ANTIBACTERIAL HAND GEL, labeled as manufactured at your facility, is labeled to contain 80% volume/volume (v/v) of the active ingredient alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that this product contained an average of 1.2% ethanol and 67% methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. [...]

14 Neoingenium Labs, SA de CV - 610499 - 03/31/2021 - 2021-04-06

Publication date	2021-04-06
Create date	2021-04-08
Score	8.15
Report id	1009118
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 24: Places for report 1009118

Region Name	Country	Location	Latitude	Longitude
Americas	Mexico	Ciudad Granja	20.68048	-103.44909
Americas	United States	United States	39.76	-98.5
Americas	Mexico	Zapopan	20.72356	-103.38479

Notes: [...] Cleansepure, declared to be manufactured at your facility, is labeled to contain 70% volume/volume (v/v) of the active ingredient alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that it contained an average of 9.6% ethanol and an average of 58% of methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. [...]

15 Spurious sanitisers flood Vijayawada

Publication date	2021-05-31
Create date	2021-06-02
Score	7.65
Report id	1082549
Category	Antiseptic
Quality	Falsified
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Spurious sanitisers flood Vijayawada Times of India

Click here to see the [Original Article](#)

Table 25: Places for report 1082549

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Vijayawada	16.50745	80.6466

Notes: The huge demand for sanitisers has led retailers in Vijayawada to sell spurious material. Several street vendors in the city have become part of a chain selling fake sanitisers which fail to meet quality standards. [...]

16 Mosaic Brands fined \$630,000 over misleading face mask and hand sanitiser claims

Publication date	2021-05-27
Create date	2021-06-07
Score	7.61
Report id	1084248
Category	Antiseptic, Medical devices for disease prevention
Quality	Substandard
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Mosaic Brands fined \$630,000 over misleading face mask and hand sanitiser claims
SBS News

Click here to see the [Original Article](#)

Table 26: Places for report 1084248

Region Name	Country	Location	Latitude	Longitude
Melanesia	Australia	Commonwealth of Australia	-25	135

Table 27: Other Stories

ID	Title	Link
1086752	False hand sanitiser and face mask claims spark fines for Noni B, Rivers owner	Link
1088088	Australian retailer Mosaic Brands fined \$630,000 for misleading hand sanitiser claims	Link

Notes: [...] The breaches included inaccurately advertising hand sanitiser as containing 70 per cent alcohol, when it actually only contained 17 per cent, and falsely claiming a different sanitiser was approved by the World Health Organization. Australian Competition and Consumer Commission (ACCC) deputy chair Delia Rickard said a second hand sanitiser, sold by Millers, contained only 58 per cent alcohol despite claims it was 75 per cent alcohol. [...] "Our investigation also found that Mosaic Brands' Kids KN95 mask was not certified by European and US standard authorities as they had advertised." [...]

17 Official: Fake sanitisers less prevalent

Publication date	2021-04-07
Create date	2021-04-08
Score	6.88
Report id	1011036
Category	Antiseptic
Quality	Falsified
Source	Private pharmacy
Curation	Manually curated
Incident or General	Incident

Snippet: Official: Fake sanitisers less prevalent The Phnom Penh Post

Click here to see the [Original Article](#)

Table 28: Places for report 1011036

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Cambodia	Phnom Penh	11.56245	104.91601

Notes: [...]Out of 78 samples of items taken and tested for analysis, only two of them turned out to be fakes. He said the vendors selling the fake items were not arrested or sent to court because it was their first offence. The officials just asked them to sign a letter promising not to repeat the offence. [...] Oun said that in 2020, his directorate seized and burned 94 tonnes of fake alcohol sanitiser and that some of the seizures had resulted in individuals being referred to the court for prosecution. [...]

Annex C

C.5. COVID-19 medicines

Medicine Quality Monitoring Globe

July 28, 2021



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Filters applied for this report

Search ("tranilast" OR "interleukin-2" OR "INC424" OR "TNKase" OR "nitazoxanide" OR "LY3832479" OR "baloxavir" OR "interleukin-7" OR "Kineret" OR "ritonavir" OR "Crizanlizumab" OR "Apixaban" OR "cyclosporin" OR "losartan" OR "ATI-450" OR "nitrogen monoxide" OR "tirofiban" OR "Ebselen" OR "corbistadine" OR "atorvastatin" OR "Eicosapentaenoic" OR "nitrite" OR "Riamilovir" OR "black cumin" OR "NK-1R" OR "Pemziviaptadil" OR "colchicine" OR "Lithium" OR "Vancomycin" OR "Broncho-Vaxom" OR "ramipril" OR "Teicoplanin" OR "tofacitinib" OR "budesonide" OR "Paracetamol" OR "dipyridamole" OR "levamisole" OR "atovaquone" OR "Senicapoc" OR "covid drug" OR "enoxaparin" OR "Brequinar" OR "povidone-iodine" OR "levilimab" OR "degarelix" OR "LY3819253" OR "Sofusbovir" OR "masitinib" OR "Omega-3" OR "INM005" OR "RBT-9" OR "deferroxamine" OR "canakinumab" OR "Ramelteon" OR "chlorpromazine" OR "selinexor" OR "Piclidenoson" OR "DAS181" OR "M5049" OR "Ibudilast" OR "CM4620-IE" OR "GNS561" OR "zanubrutinib" OR "Cenicriviroc" OR "sofosbovir" OR "Trimethoprim" OR "vadadustat" OR "AVM0703" OR "Rabeprazole" OR "Moxifloxacin" OR "cobicistat" OR "BAT2020" OR "ABX464" OR "XAV-19" OR "thalidomide" OR "bamlanivimab" OR "GX-19" OR "corticosteroid")

OR "Tradipitant" OR "cotrimoxazole" OR "HuMax-Inflam" OR "Apilimod" OR "DUR-928" OR "escin" OR "PF-06650833" OR "octagam" OR "Antroquinonol" OR "pacritinib" OR "Imatinib" OR "ribavirin" OR "ambrisentan" OR "baricitinib" OR "imatinib" OR "CD24Fc" OR "Sulodexide" OR "AlloStim" OR "DFV890" OR "Emapalumab" OR "sitagliptin" OR "Metformin" OR "prednisone" OR "ulinastatin" OR "naltrexone" OR "abidor" OR "niclosamide" OR "BIO101" OR "GS-441524" OR "argatroban" OR "Leukine" OR "xiyanping" OR "peginterferon" OR "pembrolizumab" OR "HuMax" OR "Lambda" OR "dornase" OR "Itraconazole" OR "telemedicine" OR "Adenosine" OR "Curosurf" OR "clarithromycin" OR "bromhexine" OR "Xpovio" OR "ebastine" OR "amoxicillin/clavulanate" OR "PD-1 mAb" OR "EPA" OR "oseltamivir" OR "Betamethasone" OR "favipiravir" OR "mefloquine" OR "bismuth" OR "CM4620" OR "ifenprodil" OR "Levofloxacin" OR "REGN10987" OR "Candesartan" OR "secukinumab" OR "Trihexyphenidyl" OR "Daclatasvir" OR "pinavir" OR "tocilizumab" OR "co-amoxiclav" OR "EG-HPCP-03a" OR "hydroxychloroquine" OR "Polyoxidonium" OR "STI-5656" OR "Artesunate" OR "triazavirine" OR "Disulfiram" OR "cholecalciferol" OR "INO-4800" OR "PG1" OR "zinc" OR "oxytocin" OR "gimsilumab" OR "suramin" OR "rhG-CSF" OR "desferoxamine" OR "TD-0903" OR "OM-85" OR "Bucillamine" OR "pirfenidone" OR "Acetaminophen" OR "adamumab" OR "sulfamethoxazole" OR "BI 764198" OR "RPH-104" OR "COVID-19 drug" OR "alpha lipoic" OR "almitrine" OR "melphalan" OR "dapagliflozin" OR "NBT-NM108" OR "TMJ2" OR "Icosapent" OR "Ceftriaxone" OR "isoprinosine" OR "IMU-838" OR "tridecactide" OR "chloroquine" OR "CSL324" OR "Lian Hua Qing Weng" OR "Kevzara" OR "valsartan" OR "meplazumab" OR "Namilumab" OR "Prednisolone" OR "sargramostim" OR "estradiol" OR "cyclosporine" OR "Aprepitant" OR "silymarin" OR "linagliptin" OR "Noscapine" OR "Gemtuzumab" OR "methylprednisolone" OR "fluvoxamine" OR "Coroquard" OR "mavrilimumab" OR "anakinra" OR "ozanimod" OR "mepolizumab" OR "acetylsalicylic" OR "darunavir" OR "novaferon" OR "YinHu QingWen" OR "OM85" OR "camrelizumab" OR "Cosentyx" OR "estrogen" OR "dexmedetomidine" OR "LL-37" OR "Dantonix" OR "rivaroxaban" OR "adalimumab" OR "apremilast" OR "polyinosinic-polycytidylic" OR "farpiravir" OR "montelukast" OR "Ibuprofen" OR "IFX-1" OR "Iodine" OR "Molnupiravir" OR "Pioglitazone" OR "verapamil" OR "Rapamycin" OR "Brexanolone" OR "Eltrombopag" OR "ravulizumab" OR "hydrocortisone" OR "auxora" OR "tinzaparin" OR "Vascepa" OR "omalizumab" OR "Tybost" OR "Actemra" OR "dociparastat" OR "NA-831" OR "ascorbic acid" OR "MAS825" OR "C21" OR "RoActemra" OR "eculizumab" OR "Bivalirudin" OR "povidon-iodine" OR "ivermectin" OR "Pamrevlumab" OR "danoprevir" OR "Neurokinin" OR "sirolimus" OR "Fostamatinib" OR "resveratrol" OR "Icatibant" OR "bromelain" OR "dexamethasone" OR "TJ003234" OR "iloprost" OR "tacrolimus" OR "astegolimab" OR "interferon" OR "plitidepsin" OR "metenkefalin" OR "azoximer" OR "lopinavir" OR "Tazobactam" OR "carrimycin" OR "CM-4620" OR "CYT107" OR "Heparin" OR "Pyronaridine-Artesunate" OR "Itolizumab" OR "zilucoplan" OR "oxpentifylline" OR "AT-001" OR "Abivertinib" OR "doxycycline" OR "Nigella Sativa" OR "AZD1222" OR "Ierolimab" OR "Enalapril" OR "nangibotide" OR "Piperacillin" OR "bevacizumab" OR "lactoferrin" OR "UTTR1147A" OR "Caesalpinia spinosa" OR "mometasone" OR "hydroxychloroquin" OR "Febuxostat" OR "lanadelumab" OR "Thymalfasin" OR "huaier extract" OR "Levofloxacin" OR "Pentoxifylline" OR "tozumab" OR "NP-120" OR "Alvelestat" OR "captopril" OR "merimepodib" OR "Iota-Carrageenan" OR "Lianhua Qingwen" OR "GLS-1200" OR "aescinate" OR "tranexamic" OR "Ledipasvir" OR "ISIS 721744" OR "procalcitonin" OR "SNDX-6352" OR "sirukumab" OR "Enzalutamide" OR "carriomycin" OR "amphotericin" OR "bemiparin" OR "T89" OR "Spironolactone" OR "fin-

golimod" OR "aspirin" OR "Remdesivir" OR "TJM2" OR "pyridostigmine" OR "Pro-
 lastin" OR "EC-18" OR "poractant" OR "isotretinoin" OR "telmisartan" OR "lenzilumab"
 OR "avdoralimab" OR "duvelisib" OR "BIO 300" OR "bicalutamide" OR "Ilaris" OR
 "atlizumab" OR "desferrioxamine" OR "LB1148" OR "vitamin D3" OR "Clopidogrel"
 OR "CD24" OR "tetrandrine" OR "Lansoprazole" OR "Ruconest" OR "amoxicillin" OR
 "Trifluoperazine" OR "Ganovo" OR "nitric Oxide" OR "chlorine dioxide" OR "olok-
 izumab" OR "lucinactant" OR "galidesivir" OR "TXA127" OR "Maraviroc" OR "con-
 estat" OR "CA S001" OR "vazegepant" OR "REGN10933" OR "Propranolol" OR "Vi-
 agra" OR "Fisetin" OR "Previfenon" OR "omega 3" OR "thymosin" OR "Prasugrel"
 OR "retinoic acid" OR "Ceftaroline" OR "sevoflurane" OR "amoxicillin/clavulanic acid"
 OR "oestrogen" OR "leflunomide" OR "virazole" OR "PLN-74809" OR "ATYR1923"
 OR "Olumiant" OR "dalargin" OR "Alinia" OR "methotrexate" OR "dapansutrole" OR
 "artemisinin" OR "ibrutinib" OR "aescin" OR "CERC-002" OR "fludase" OR "isoflu-
 rane" OR "XPro1595" OR "LY-CoV555" OR "CAS0001" OR "immunoglobulin" OR
 "nafamostat" OR "Crocetinate" OR "Diphenhydramine" OR "BIO 101" OR "AZD1656"
 OR "PTC299" OR "amodiaquine" OR "casirivimab" OR "BGB-DXP593" OR "opa-
 ganib" OR "melatonin" OR "huaier granule" OR "HuMax-IL8" OR "famotidine" OR
 "GLS-1027" OR "Trimodulin" OR "tenofovir" OR "Primaquine" OR "AMY-101" OR
 "covid medicine" OR "umifenovir" OR "EDP1815" OR "Vitamin B12" OR "Gamunex-
 C" OR "Bardoxolone" OR "AstroStem-V" OR "LAU-7b" OR "Vitamin E" OR "Vita-
 min B" OR "RTB101" OR "COVID-19 medicine" OR "curcumin" OR "fondaparinux"
 OR "Edoxaban" OR "L-Citrulline" OR "ciclesonide" OR "azithromycin" OR "remde-
 sivir" OR "Diltiazem" OR "Methylene blue" OR "clazakizumab" OR "BCX4430" OR
 "Pyronaridine" OR "Quercetin" OR "Toremifene" OR "COVI-AMG" OR "etoposide"
 OR "DWJ1248" OR "defibrotide" OR "AT-527" OR "prazosin" OR "triazavirin" OR
 "BIO300" OR "Ensifentrine" OR "coronavirus medicine" OR "Anti-IL-8" OR "dihy-
 droartemisinin" OR "vitamin c" OR "25-hydroxyvitamin D3" OR "coronavirus drug" OR
 "formoterol" OR "indomethacin" OR "Rayaldee" OR "ciclosporin" OR "naproxen" OR
 "fluoxetine" OR "Infliximab" OR "Tenecteplase" OR "ruxolitinib" OR "Molgramostim"
 OR "vitamin D" OR "simvastatin" OR "alteplase" OR "sildenafil" OR "isoquercetin" OR
 "GC4419" OR "ketamine" OR "Razuprotafib" OR "camostat" OR "Arbidol" OR "Mont-
 morrillonite" OR "acalabrutinib" OR "nivolumab" OR "aviptadil" OR "PUL-042" OR
 "diammonium" OR "Clevudine" OR "nitrogen oxide" OR "BMS-986253" OR "siltuximab"
 OR "interleukin 2" OR "jakotinib" OR "nintedanib" OR "Axatilimab" OR "garadacimab"
 OR "Treamid" OR "ASC09" OR "emtricitabine" OR "LY-CoV016" OR "Pulmozyme"
 OR "Prostaglandin" OR "ciclosporine" OR "hydrogen peroxide" OR "sarilumab" OR
 "Losmapimod" OR "azvudine" OR "BLD-2660" OR "EIDD-2801" OR "MSTT1041A"
 OR "Desidustat" OR "abidole" OR "omeprazole" OR "progesterone" OR "Decitabine"
 OR "tocopherol" OR "berberine" OR "APL-9" OR "colomycin" OR "XC221" OR "amio-
 darone" OR "lenalidomide" OR "imdevimab" OR "ixekizumab" OR "VentaProst" OR
 "acetylcysteine" OR "LY3127804" OR "Atazanavir" OR "TL-895" OR "dalteparin" OR
 "Thimerosal" OR "Xue-Bi-Jing" OR "GC376" OR "Angiotensin" OR "gs-441542" OR
 "Risankizumab" OR "co-trimoxazole") OR ("Medicine" OR "Plasma" OR "Treatment"
 OR "Medication" OR "Monoclonal antibodies" OR "Antibody therapy" OR "Antibody
 cocktail") AND ("COVID-19" OR "COVID" OR "SARS-CoV-2" OR "Coronavirus" OR
 "CV19" OR "CV-19" OR "SARS" OR "CoV-2"))

Start date	2021-04-01
End date	2021-05-31

Language	en
Report type	incident
Curation status	validated
Number of Reports	78

1 7 held in Ahmedabad for selling antibiotics as remdesivir

Publication date	2021-04-29
Create date	2021-05-05
Score	41.13
Report id	1041604
Category	Antiviral others
Quality	Falsified
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: 7 held in Ahmedabad for selling antibiotics as remdesivir The Indian Express

Click here to see the [Original Article](#)

Table 1: Places for report 1041604

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Ahmedabad	23.02579	72.58727

Table 2: Other Stories

ID	Title	Link
1041929	Vadodara: 2 nabbed after raid at factory packaging ‘fake remdesivir’	Link
1041997	Nine held for selling antibiotics as remdesivir	Link
1042123	Six arrested for selling fake Redesivir; 133 vials seized	Link
1043157	Vadodara police bust fake remdesivir packaging factory; two held [details]	Link
1050484	Fake remdesivir racket ‘main conspirator’ brought to Ahmedabad	Link

Notes: [...] According to police, the accused were allegedly involved in selling of antibiotics as remdesivir vials by printing fake stickers of Hetero and Jubilant Companies, two pharmaceutical giants in India that produce the crucial drug. The accused were charging Rs 12,000 for each dose, said the police. Police have also seized Rs 21.04 lakh in cash which the accused procured after selling these fake drugs. [...] However upon checking the vials, police found that they did not contain remdesivir drug but Piperacillin and Tazobactam antibiotics in them. [...]

2 Bangalore: After Remdesivir and O2 cylinders, now cyber criminals cash in on Black Fungus medication

Publication date	2021-05-20
Create date	2021-05-31
Score	36.05
Report id	1067864
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Bangalore: After Remdesivir and O2 cylinders, now cyber criminals cash in on Black Fungus medication The Indian Express

Click here to see the [Original Article](#)

Table 3: Places for report 1067864

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Bengaluru	12.97194	77.59369

Notes: [...] After black marketing of Remdesivir and oxygen cylinders, a cheating case has been filed in Bengaluru by a family who was siphoned off Rs 7.9 lakh with the promise of Amphotericin B. "The doctors told the family to arrange the drug soon since the hospital doesn't have the Amphotericin B in stock. The family made enquiries with various people regarding the drug, while a man identified as Ashok contacted the patient's wife and promised that he will courier the Amphotericin B once he received Rs 7.9 lakh," said the police. [...]

3 35 Approved Prescription Drugs Later Pulled From The Market

Publication date	2021-05-13
Create date	2021-06-17
Score	33.29
Report id	1098044
Category	Antispasmodic, Dermatological medicine, Other, Medicine for allergy, Psychoactive substance, Anaesthetic, Antidepressant, Weight loss medicine, Analgesic, Antibiotic, Anti-inflammatory medicine, Antiparkinsonian, Cardiovascular medicine, Antidiabetic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: 35 Approved Prescription Drugs Later Pulled From The Market Anti Aging News

Click here to see the [Original Article](#)

Table 4: Places for report 1098044

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 5: Drugs for report 1098044

Medicine Name	Medicine Class	Action	ATC Code
astemizole	Other anti-histamines for systemic use	antihistamines for systemic use	R06AX11
tienilic acid	Aryloxyacetic acid derivatives	high-ceiling diuretics	C03CC02
terodiline	Drugs for urinary frequency and incontinence	urologicals	G04BD05
dexfenfluramine	Centrally acting antiobesity products	antiobesity preparations, excl. diet products	A08AA04
terfenadine	Other anti-histamines for systemic use	antihistamines for systemic use	R06AX12

Table 5: Drugs for report 1098044(continued)

Medicine Name	Medicine Class	Action	ATC Code
efalizumab	Selective immunosuppressants	immunosuppressants	L04AA21
drotrecogin alfa (activated)	Enzymes	antithrombotic agents	B01AD10
phenformin	Biguanides	blood glucose lowering drugs, excl. insulins	A10BA01
temafloxacin	Fluoroquinolones	quinolone antibacterials	J01MA05
gemtuzumab ozogamicin	Monoclonal antibodies	other antineoplastic agents	L01XC05
grepafloxacin	Fluoroquinolones	quinolone antibacterials	J01MA11
valdecoxib	Coxibs	antiinflammatory and antirheumatic products, non-steroids	M01AH03
pemoline	Centrally acting sympathomimetics	psychostimulants, agents used for adhd and nootropics	N06BA05
cisapride	Propulsives	propulsives	A03FA02
cerivastatin	HMG CoA reductase inhibitors	lipid modifying agents, plain	C10AA06
levamisole	Imidazothiazole derivatives	antinematodal agents	P02CE01
alosetron	Serotonin receptor antagonists	drugs for functional gastrointestinal disorders	A03AE01
diethylstilbestrol	Synthetic estrogens, plain	estrogens	G03CB02
diethylstilbestrol	Estrogens, combinations with other drugs	estrogens	G03CC05
diethylstilbestrol	Estrogens	hormones and related agents	L02AA01
bromfenac	Antiinflammatory agents, non-steroids	antiinflammatory agents	S01BC11
troglitazone	Thiazolidinediones	blood glucose lowering drugs, excl. insulins	A10BG01
methaqualone	Other hypnotics and sedatives	hypnotics and sedatives	N05CM01
fenfluramine	Centrally acting antiobesity products	antiobesity preparations, excl. diet products	A08AA02
tegaserod	Other drugs for constipation	drugs for constipation	A06AX06
pergolide	Dopamine agonists	dopaminergic agents	N04BC02

Table 5: Drugs for report 1098044(continued)

Medicine Name	Medicine Class	Action	ATC Code
hydromorphone	Natural opium alkaloids	opioids	N02AA03
rofecoxib	Coxibs	antiinflammatory and antirheumatic products, non-steroids	M01AH02
sibutramine	Centrally acting antiobesity products	antiobesity preparations, excl. diet products	A08AA10
nomifensine	Other antidepressants	antidepressants	N06AX04
mibefradil	Other selective calcium channel blockers with mainly vascular effects	selective calcium channel blockers with mainly vascular effects	C08CX01
aprotinin	Proteinase inhibitors	antifibrinolytics	B02AB01
isotretinoin	Retinoids for topical use in acne	anti-acne preparations for topical use	D10AD04
isotretinoin	Retinoids for treatment of acne	anti-acne preparations for systemic use	D10BA01

Notes: According to the FDA, a "drug is removed from the market when its risks outweigh its benefits. A drug is usually taken off the market because of safety issues with the drug that cannot be corrected, such as when it is discovered that the drug can cause serious side effects that were not known at the time of approval." The agency also takes into account the number of people using the drug that is being considered for a recall as to not harm those people. [...]

4 Cyber fraud: Maharashtra Cyber cell registers FIR against bogus distributors for selling fake Remdesivir

Publication date	2021-05-13
Create date	2021-05-14
Score	31.26
Report id	1059047
Category	Antiviral others, Immunosuppressant
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Cyber fraud: Maharashtra Cyber cell registers FIR against bogus distributors for selling fake Remdesivir Mumbai Mirror

Click here to see the [Original Article](#)

Table 6: Places for report 1059047

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	State of Mahārāshtra	19.5	76

Table 7: Drugs for report 1059047

Medicine Name	Medicine Class	Action	ATC Code
tocilizumab	Interleukin inhibitors	immunosuppressants	L04AC07

Notes: Maharashtra's cyber police on Thursday registered an FIR in connection with the people impersonating as distributors of a reputed Pharma Company and selling faking Remdesivir and Tocilizumab tablets online. [...] Further, it was also discovered that many of the citizens had received water and fake medicines in the bottles and labelled as vaccines with the complainant company's name and logo on the medicines. [...]

5 Covid-19 update: Two arrested for Remdesivir black marketing in Mumbai

Publication date	2021-04-09
Create date	2021-05-11
Score	29.86
Report id	1052017
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Covid-19 update: Two arrested for Remdesivir black marketing in Mumbai Business Today

Click here to see the [Original Article](#)

Table 8: Places for report 1052017

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Mumbai	19.07283	72.88261

Table 9: Other Stories

ID	Title	Link
1054357	India's covid collapse, part 6: The boom in black market for live-saving drugs	Link

Notes: Mumbai Police's crime branch on Friday arrested two people with 284 Remdesivir injections meant for black marketing. This comes at a time when coronavirus cases are surging in Maharashtra at an alarming rate and people are not getting the antiviral medication. [...]

6 Humanity lost: A rundown on how essential Covid drugs end up in black market

Publication date	2021-05-08
Create date	2021-05-11
Score	29.70
Report id	1052806
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Humanity lost: A rundown on how essential Covid drugs end up in black market The New Indian Express

Click here to see the [Original Article](#)

Table 10: Places for report 1052806

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Republic of India	22	79

Table 11: Drugs for report 1052806

Medicine Name	Medicine Class	Action	ATC Code
tocilizumab	Interleukin inhibitors	immunosuppressants	L04AC07

Table 12: Other Stories

ID	Title	Link
1092126	Humanity lost: A rundown on how essential Covid drugs end up in black market	Link

Notes: [...] What you just read is one of the many ways money is made out of the an unjustifiable demand for Remdesivir and Tocilizumab in the State. Like the virus, the black market for these drugs has had a morbid mutation in the second wave of the pandemic. Greed, it seems,

has become as infectious as the virus itself, with even doctors, hospitals, and hospitals staff jumping on the bandwagon to swindle and exploit helpless patients and their desperate kin. This Sunday, Express tells you how these crimes work in the State. Apart from the modus operandi of Ramesh, four more methods have been identified. [...]

7 68 vials of fake black fungus drug seized from SUV in Kanpur, 2 arrested

Publication date	2021-05-27
Create date	2021-05-28
Score	29.52
Report id	1077712
Category	Antifungal
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 68 vials of fake black fungus drug seized from SUV in Kanpur, 2 arrested Times of India

Click here to see the [Original Article](#)

Table 13: Places for report 1077712

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Kanpur	26.46523	80.34975

Table 14: Drugs for report 1077712

Medicine Name	Medicine Class	Action	ATC Code
amphotericin B	Antiinfectives and antiseptics for local oral treatment	stomatological preparations	A01AB04
amphotericin B	Antibiotics	intestinal antiinfectives	A07AA07
amphotericin B	Antibiotics	antiinfectives and antiseptics, excl. combinations with corticosteroids	G01AA03
amphotericin B	Antibiotics	antimycotics for systemic use	J02AA01

Table 15: Other Stories

ID	Title	Link
1083914	68 vials of fake black fungus drug seized from SUV in Kanpur, 2 arrested Kanpur News	Link
1147830	No bail for man who sold counterfeit black fungus injections	Link

Notes: Two persons were arrested late Thursday with 68 vials of fake black fungus drug — Liposomal Amphotericin B — supplied to Kanpur hospitals at an exorbitant price of Rs 11,000 each. The accused, Gyanesh Kumar Sharma and Prakash Mishra, residents of Naubasta area, were travelling in a black SUV with words 'High Court' embossed on the registration plate, when they were stopped at Chunniganj locality and arrested on a tip-off. Besides, amphotericin injections, Rs 1.8lakh in cash and five mobile phones were seized. Earlier, the Kanpur police had tracked down a huge consignment of fake Remdesivir drug, which is key to treating Covid-19. Police confirmed to TOI late Thursday that NSA will be slapped on the accused. [...]

8 Four held in Pune for selling fake Remdesivir

Publication date	2021-04-17
Create date	2021-04-26
Score	29.28
Report id	1025236
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Four held in Pune for selling fake Remdesivir Outlook India

Click here to see the [Original Article](#)

Table 16: Places for report 1025236

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Pune	18.51957	73.85535
Southern Asia	India	Bārāmāti	18.15174	74.57767

Table 17: Other Stories

ID	Title	Link
1025237	COVID-19: Four arrested in Maharashtra for selling liquid paracetamol in empty Remdesivir bottles	Link
1025425	Pune: Four Persons Arrested For Selling Fake Remdesivir Injection For Rs 35000; Accused Sold Paracetamol Liquid In Empty Bottles	Link
1025457	Pune: Police arrest 4 for selling fake Remdesivir injections	Link
1026190	4 Arrested For Selling Fake Anti-Viral COVID-19 Drug Injections in...	Link
1028352	Maharashtra: 4 arrested for selling paracetamol in Remdesivir bottle, 1 vial sold for Rs 35,000	Link
1035206	Covid-19 patient dies after getting fake remdesivir injections, culpable homicide charges invoked against accused	Link
1036816	Remdesivir Shortage: 4 Arrested For Selling Fake Anti-Viral COVID-19 Drug Injections in Baramati	Link

Notes: Pune rural police have arrested four persons for allegedly selling fake Remdesivir injections in Baramati area, an official said on Saturday. Three injection vials labelled as Remdesivir, which is used for the treatment of COVID-19, but actually filled with nothing but paracetamol in liquid form were seized from them, said the senior police official. [...]

9 Spurious COVID-19 drugs manufacturing racket busted

Publication date	2021-04-17
Create date	2021-04-26
Score	28.75
Report id	1025572
Category	Other, Antibiotic
Quality	Falsified
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: Spurious COVID-19 drugs manufacturing racket busted The Hindu

Click here to see the [Original Article](#)

Table 18: Places for report 1025572

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Republic of India	22	79

Table 19: Drugs for report 1025572

Medicine Name	Medicine Class	Action	ATC Code
lactic acid	Organic acids	antiinfectives and anti-septics, excl. combinations with corticosteroids	G01AD01
	Antibiotics	intestinal antiinfectives	A07AA
	Antibiotics	agents for treatment of hemorrhoids and anal fissures for topical use	C05AB
	Antibiotics	antifungals for topical use	D01AA
	Antibiotics	antiinfectives and anti-septics, excl. combinations with corticosteroids	G01AA
	Antibiotics	antimycotics for systemic use	J02AA

Table 19: Drugs for report 1025572(continued)

Medicine Name	Medicine Class	Action	ATC Code
	Antibiotics	drugs for treatment of tuberculosis	J04AB
	Antibiotics	throat preparations	R02AB
	Antibiotics	antiinfectives	S01AA
cefixime	Third-generation cephalosporins	other beta-lactam antibiotics	J01DD08
azithromycin	Macrolides	macrolides, lincosamides and streptogramins	J01FA10
azithromycin	Antibiotics	antiinfectives	S01AA26

Notes: In a huge haul, officials of the Drug Control Administration (DCA) busted an inter-State spurious drug racket. They seized the spurious COVID-19 drug stocks, being manufactured for more than a year. [...] The accused were manufacturing the Dewciff-AZ tablets (Cefixime, Azithromycin and Lactic Acid Bacillus tablets), Azidew-250 (Azithromycin tablets), FIXRAT-AZ and four other brands of tablets. The tablets were reportedly manufactured at Kancare Pharmaceuticals Private Limited, Roorke, Haridwar district, Uttarakhand, on the fictitious manufacturer's name HPHIN Pharmaceuticals, which was not in existence. [...] "During intelligent sampling, the DCA teams collected samples of several drugs, which were sent to the Drug Control Laboratory, Vijayawada. Tests confirmed that eight varieties of drugs were spurious and do not have any medicinal substances," Mr. Ravi Shankar said. [...]

10 Fact check: Remdesivir sold under COVIPRI brand doesn't exist [truth here]

Publication date	2021-05-02
Create date	2021-05-07
Score	25.23
Report id	1044723
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Fact check: Remdesivir sold under COVIPRI brand doesn't exist [truth here] IBTimes India

Click here to see the [Original Article](#)

Table 20: Places for report 1044723

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Delhi	28.65195	77.23149

Table 21: Other Stories

ID	Title	Link
1044825	Delhi Police urges people to steer clear of fake Remdesivir injections	Link
1045740	Fake Remdesivir injection: Sikkim denies presence of "Covipri" injection manufacturer	Link
1046007	Delhi IPS Officer Warns Against Fake Remdesivir Injection Called Covipri	Link
1046480	Fake Remdesivir inj: Sikkim denies presence of 'Covipri'	Link
1046589	'Covipri', the fake Remdesivir injection	Link

Notes: [...] As Remdesivir remains in high demand in treatment of COVID-19 patients, it is being sold under the name of Covifor. But some miscreants have been able to repackage fake Remdesivirs in an identical box. Now, a new Remdesivir drug has been found to be in

circulation in several parts of India under a new name called Covipri. [...]

11 Doctor, 2 others arrested for black marketing Remdesivir vials at Rs 20,000 in Tamil Nadu

Publication date	2021-04-30
Create date	2021-05-14
Score	24.97
Report id	1058645
Category	Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Doctor, 2 others arrested for black marketing Remdesivir vials at Rs 20,000 in Tamil Nadu India Today

Click here to see the [Original Article](#)

Table 22: Places for report 1058645

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	State of Tamil Nādu	11	78.33333

Notes: The Tamil Nadu Police arrested three men, including a doctor, involved in black marketing of Remdesivir, an injectable anti-viral drug repurposed for Covid-19 treatment. [...] The doctor, who was identified as Mohamed Imran Khan, was caught carrying 17 vials of Remdesivir. [...]

12 Covid: Two medicine shop owners arrested on charge of selling fake black fungus in Allahabad

Publication date	2021-05-30
Create date	2021-06-04
Score	24.78
Report id	1084089
Category	Antifungal
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Covid: Two medicine shop owners arrested on charge of selling fake black fungus in Allahabad Telegraph India

Click here to see the [Original Article](#)

Table 23: Places for report 1084089

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Allahabad	25.42012	81.88385

Table 24: Drugs for report 1084089

Medicine Name	Medicine Class	Action	ATC Code
amphotericin B	Antiinfectives and antiseptics for local oral treatment	stomatological preparations	A01AB04
amphotericin B	Antibiotics	intestinal antiinfectives	A07AA07
amphotericin B	Antibiotics	antiinfectives and antiseptics, excl. combinations with corticosteroids	G01AA03
amphotericin B	Antibiotics	antimycotics for systemic use	J02AA01

Notes: Two medicine shop owners in Allahabad have been arrested on the charge of selling

fake medicines for black fungus, a day after a medical representative and a property dealer were picked up in Kanpur as part of the nexus, with a BJP minister getting sucked into the controversy.

The shop owners — Pankaj Agrawal and Madhuran Bajpai — were arrested on Sunday for allegedly selling fake Limposoma Amphotericin B injections, used to treat black fungus or mucormycosis that is afflicting an increasing number of Covid-19 patients, after police were tipped off about them by property dealer Prakash Mishra and his friend, medical representative Gyanesh Sharma, who were nabbed on Saturday. [...]

13 Haryana Police arrest Remdesivir blackmarketing kingpin who allegedly sold over 650 injections

Publication date	2021-04-27
Create date	2021-05-07
Score	24.65
Report id	1045813
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Haryana Police arrest Remdesivir blackmarketing kingpin who allegedly sold over 650 injections The Indian Express

Click here to see the [Original Article](#)

Table 25: Places for report 1045813

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Haryana	29.25	76.33333

Table 26: Other Stories

ID	Title	Link
1046445	Kingpin held in 'fake' Remdesivir scam	Link

Notes: In a major crackdown, Haryana Police arrested a Panipat resident, who police said is the kingpin of a racket in connection with the black marketeering of Remdesivir, which is in high demand for the treatment of Covid-19 patients.

The accused, police said, had sold over 650 injections of Remdesivir in the black market so far. However, it is yet to be ascertained if the vials recovered from the accused were of Remdesivir because police suspect that the wrapper on the recovered vials appears to be fake. [...]

14 Delhi: Four including nurse held for black marketing Remdesivir at Rs 70,000 per dose

Publication date	2021-05-04
Create date	2021-05-07
Score	24.34
Report id	1047797
Category	Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Delhi: Four including nurse held for black marketing Remdesivir at Rs 70,000 per dose
ANI News

Click here to see the [Original Article](#)

Table 27: Places for report 1047797

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Delhi	28.65195	77.23149

Notes: A special staff team of the Delhi Police 's North-West district on Tuesday busted a gang of four persons including a nurse for their alleged involvement in black marketing of Remdesivir injections. [...] As per the police, the nurse would procure doses of Remdesivir , an anti-viral drug used in the treatment of COVID-19 , from the hospital she works in and give them to the other members of the gang. They would then sell it for around Rs 70,000 for one dose. [...]

15 Three held for trying to sell Remdesivir vials filled with saline water in Maharashtra

Publication date	2021-04-29
Create date	2021-05-20
Score	23.44
Report id	1066963
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Three held for trying to sell Remdesivir vials filled with saline water in Maharashtra
The New Indian Express

Click here to see the [Original Article](#)

Table 28: Places for report 1066963

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Beed	18.83333	75.75

Notes: Three persons have been arrested for allegedly trying to cheat people by selling them saline water in vials of Remdesivir, an anti-viral used in the treatment of COVID-19, in Maharashtra's Beed city, police said on Thursday.

The Shivaji Nagar police recently nabbed Santhosh Naikwade, Prakash Nagargoje and Datta Nirmal for allegedly trying to sell a vial of the injection for Rs 22,000, an official said. [...]

16 India's COVID crisis spawns black market for oxygen, drugs

Publication date	2021-05-11
Create date	2021-06-14
Score	23.09
Report id	1092783
Category	Other
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: India's COVID crisis spawns black market for oxygen, drugs DW (English)

Click here to see the [Original Article](#)

Table 29: Places for report 1092783

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	New Delhi	28.63576	77.22445

Table 30: Drugs for report 1092783

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Notes: [...] Despite India's status as the "pharmacy of the world," the biggest producer of generic drugs has been unable to meet the demand for antiviral medications such as remdesivir and favipiravir.

Given that demand has been outstripping supply in the country, police and other investigating agencies have had to crack down on black marketeers.

In the capital, New Delhi, which has been confronting a massive shortage of medical oxygen, police raided a building in a posh neighborhood and seized over 400 oxygen concentrators last week. [...]

17 Crooks now sell water as Remdesivir for Rs 30,000 per vial in Telangana

Publication date	2021-05-06
Create date	2021-05-11
Score	23.08
Report id	1050679
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Crooks now sell water as Remdesivir for Rs 30,000 per vial in Telangana The New Indian Express

Click here to see the [Original Article](#)

Table 31: Places for report 1050679

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Dammaiguda	17.50314	78.58986
Southern Asia	India	Telangana	17.83333	79.08333
Southern Asia	India	Hyderabad	17.38405	78.45636

Table 32: Other Stories

ID	Title	Link
1089683	Crooks now sell water as Remdesivir for Rs 30,000 per vial in Telangana	Link

Notes: Black marketing of the emergency drug Remdesivir, used to treating COVID-19 patients, has taken a new form in Telangana, as miscreants are now selling used vials filled with distilled or saline water as Remdesivir at outrageous prices of up to Rs 30,000 per vial. On one hand, the black marketing is rampant and on the other, such cases are putting people at a bigger risk. In one such incident at a private hospital at Dammaiguda in the city, a gang sold a vial, ostensibly of Remdesivir, to a patient for Rs 27,000. The doctor treating the patient identified it as fake medicine. [...]

18 Madhya Pradesh: Nurse among 7 arrested for selling fake Remdesivir vials in Ratlam

Publication date	2021-04-27
Create date	2021-05-05
Score	22.99
Report id	1038869
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Madhya Pradesh: Nurse among 7 arrested for selling fake Remdesivir vials in Ratlam
Free Press Journal

Click here to see the [Original Article](#)

Table 33: Places for report 1038869

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Ratlām	23.33033	75.04032

Table 34: Other Stories

ID	Title	Link
1038994	Gang manufacturing fake Remdesivir injection busted in Ratlam	Link
1048889	Fake Drug Rackets Reaching Rural Areas: Beware Of Cheap Antibiotics Sold As Remdesivir	Link

Notes: Ratlam police arrested seven persons, including a female nurse for selling fake Remdesivir injections here. Police alleged that the accused used empty vials and packing provided by a woman nurse to make fake Remdesivir vials. The accused used to fill empty vials with monocef salt and ceftriaxone injection powder, police added. [...]

19 Fake Remdesivir racket busted in Mysuru, nurse from private hospital arrested

Publication date	2021-04-19
Create date	2021-04-27
Score	22.45
Report id	1027311
Category	Antiviral others
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Fake Remdesivir racket busted in Mysuru, nurse from private hospital arrested The New Indian Express

Click here to see the [Original Article](#)

Table 35: Places for report 1027311

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Mysuru	12.23	76.42

Table 36: Other Stories

ID	Title	Link
1027551	Man caught trying to sell fake Remdesivir vials in Bengaluru	Link
1028163	Nurse held in Mysuru for selling fake Remdesivir by refilling empty vials	Link
1028704	They sold saline in Remdesivir vials to 900 desperate Covid patients; arrested	Link
1028915	Fake Remdesivir injections	Link
1030483	Five including nurse nabbed in Mysuru for running fake remdesivir racket	Link
1030484	Staff nurse arrested for allegedly selling 'fake Remdesivir' by refilling empty vials in Mysuru	Link
1038881	Fake Remdesivir: One more medical representative held	Link

Notes: Mysuru police on Monday busted a fake Remdesivir racket, arresting a staff nurse who used to source empty vials of the drug, fill them with cheap antibiotics or saline solution and resell them to needy patients.

The accused has been identified as Girish, a staff nurse at a private hospital in the city, who had allegedly sold over 800-900 fake Remdesivir vials to the needy with the help of two medical representatives. [...] "He used to refill the empty vials with saline solution or Ceftriaxone, an antibiotic drug, repackage them and sell them as original with the help of two medical representatives," said Dr Chandragupta, Mysuru city police commissioner. [...]

20 Country's first spurious favipiravir racket busted

Publication date	2021-05-31
Create date	2021-06-02
Score	20.86
Report id	1082548
Category	Antiviral others
Quality	Falsified
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: Country's first spurious favipiravir racket busted Times of India

Click here to see the [Original Article](#)

Table 37: Places for report 1082548

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Bhavnagar	21.76287	72.15331
Southern Asia	India	Rajkot	22.29161	70.79322
Southern Asia	India	Sūrāt	21.19594	72.83023
Southern Asia	India	Ahmedabad	23.02579	72.58727

Notes: Even as the police continue to crack down on those selling fake remdesivir, another racket — in what is touted to be the country's first case of counterfeit anti-viral drug favipiravir — has been busted in the state. The state food and drugs control authority carried out statewide raids and seized 5,850 tablets worth Rs 7.5 lakh sold by a fake pharmaceutical manufacturing firm to seven pharma outlets in Ahmedabad, Rajkot, Surat and Bhavnagar. [...]

21 Remdesivir black marketing racket busted in Mumbai, five arrested

Publication date	2021-04-27
Create date	2021-05-05
Score	20.60
Report id	1038668
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Remdesivir black marketing racket busted in Mumbai, five arrested Zee News

Click here to see the [Original Article](#)

Table 38: Places for report 1038668

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Mumbai	19.07283	72.88261

Notes: Five people were arrested in connection with black marketing of Remdesivir drug, used in the treatment of COVID patients, in Mumbai's Goregaon area on Tuesday (April 27). The Mumbai Police Crime Branch raided a hotel's kitchen in Motilal Nagar on April 23 and 24 raided. During the search, they recovered 34 vials of Remdesivir. [...]

22 Another Remdesivir racket busted in Vijayawada

Publication date	2021-05-23
Create date	2021-05-26
Score	18.43
Report id	1071414
Category	Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Another Remdesivir racket busted in Vijayawada The New Indian Express

Click here to see the [Original Article](#)

Table 39: Places for report 1071414

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Krishna	16.66667	81

Notes: Commissioner's Task Force (CTF) busted a Remdesivir hoarding and black marketing racket with the arrest of two persons in Krishna district on Saturday. The police recovered six vials of the anti-Covid drug from their possession.

They found out that accused Abdul Aslam and Aakumulla Meeravali procured Remdesivir by submitting fake doctor prescriptions to the authorities, and had been selling them at higher prices taking the advantage of the situation. The accused so far sold six vials at Rs 30,000 per vial. [...]

23 3 men arrested for selling Covid-19 injections in black

Publication date	2021-05-09
Create date	2021-05-12
Score	17.88
Report id	1053504
Category	Immunosuppressant
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 3 men arrested for selling Covid-19 injections in black Times of India

Click here to see the [Original Article](#)

Table 40: Places for report 1053504

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Delhi	28.65195	77.23149
Southern Asia	India	Faridabad	28.41124	77.31316

Table 41: Drugs for report 1053504

Medicine Name	Medicine Class	Action	ATC Code
tocilizumab	Interleukin inhibitors	immunosuppressants	L04AC07

Notes: Three people, including staffers of ESI Hospital in Faridabad, have been arrested for alleged black marketing of Tocilizumab injection and seized three vials from the accused. According to DCP (southeast) R P Meena, the accused have been identified as Utkrisht, Manish and Raghuvir. [...]

24 Private hospital in Tindivanam administers fake drug, loses license

Publication date	2021-05-18
Create date	2021-05-20
Score	17.47
Report id	1065122
Category	Vaccine
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Private hospital in Tindivanam administers fake drug, loses license The New Indian Express

Click here to see the [Original Article](#)

Table 42: Places for report 1065122

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Tindivanam	12.234	79.65551

Table 43: Drugs for report 1065122

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 44: Other Stories

ID	Title	Link
1065558	TN private hospital loses license for administering fake Remdesivir injection	Link
1066278	Tamil Nadu: Patient Dies After Receiving Fake Remdesivir Jab At Private Hospital, License Cancelled	Link
1067059	Spurious remdesivir killed Tindivanam doctor, says Tamil Nadu govt	Link

Notes: The Health Department on Tuesday took action on a private hospital in Tindivanam after it was found in violation of the Covid treatment protocol and also for selling fake Remdesivir, allegedly resulting in a patient's death.

The action follows a complaint lodged by the brother of the deceased alleging that fake Remdesivir that was given at the hospital cost the patient his life. Speaking to reporters, Health Minister Ma Subramanian said that one Dr Raman died after the drug was administered, according to his brother. "Medical team also found it was a fake drug. It was also taken to the CM's knowledge," said Subramanian. [...]

25 Lupin, Sun Pharma, Jubilant Cadista recall drugs in US market

Publication date	2021-04-25
Create date	2021-05-26
Score	17.16
Report id	1071719
Category	Antibiotic, Antifungal, Antidiabetic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Lupin, Sun Pharma, Jubilant Cadista recall drugs in US market ETHealthworld.com

Click here to see the [Original Article](#)

Table 45: Places for report 1071719

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Republic of India	22	79
Americas	United States	United States	39.76	-98.5
Americas	Puerto Rico	Puerto Rico	18.24829	-66.49989

Table 46: Drugs for report 1071719

Medicine Name	Medicine Class	Action	ATC Code
itraconazole	Triazole derivatives	antimycotics for systemic use	J02AC02
metformin	Biguanides	blood glucose lowering drugs, excl. insulins	A10BA02
cefprozil	Second-generation cephalosporins	other beta-lactam antibiotics	J01DC10

Notes: Leading generic drug makers Lupin, Sun Pharma and Jubilant Cadista are recalling different products in the US, the world's largest market for medicines, for different reasons. As per the latest Enforcement Report by the US Food and Drug Administration (USFDA), the US-based unit of Lupin is recalling 17,814 bottles of Cefprozil for Oral Suspension USP,

a second-generation antibiotic used to treat ear infections, skin infections, and other bacterial infections. [...]

USFDA further stated that Sun Pharma is recalling 13,834 bottles of diabetes drug Riomet (metformin hydrochloride oral solution) in the US due to "Microbial Contamination of Non-Sterile Product". [...] Similarly, US-based Jubilant Cadista Pharmaceuticals is recalling 12,192 bottles of an antifungal medication Itraconazole Capsules due to "Failed Dissolution Specifications". [...]

26 FDA finds two Remdesivir brand samples spurious | Nagpur NYOOOZ

Publication date	2021-05-27
Create date	2021-06-14
Score	16.42
Report id	1077726
Category	Antiviral others
Quality	Falsified
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: FDA finds two Remdesivir brand samples spurious | Nagpur NYOOOZ NYOOOZ

Click here to see the [Original Article](#)

Table 47: Places for report 1077726

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Marathwada	19.28911	76.95374

Table 48: Other Stories

ID	Title	Link
1077765	FDA finds two Remdesivir brand samples 'spurious'	Link

Notes: FDA finds two Remdesivir brand samples 'spurious'By Rajendra Diwe :THE Food and Drugs Administration (FDA) Maharashtra has found two brand samples of the Remdesivir injections as 'spurious' according to a Government Analyst report. Analytical study of the allocated vials conducted by the FDA Maharashtra revealed that samples of two famous brands Covifor and Desrem of Remdesivir were found spurious. 'The Hitavada' has in possession the analytical reports which termed the two samples spurious. When the FDA received these analytical reports by that time the Remdesivir might have been administered to patients. Section 17 A and B of Drugs and Cosmetic Act 1940 defines Spurious/Falsely-labelled/Falsified/Counterfeit drugs or 'not of standard' quality drugs. [...] Read full article: https://www.thehitavada.com//Encyc/2021/5/28/FDA-finds-two-Remdesivir-brand-samples-spurious-.html?utm_source=nyoooz&utm_medium=po

27 NSA invoked against man arrested for black marketing of Remdesivir

Publication date	2021-05-22
Create date	2021-05-31
Score	16.39
Report id	1070852
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: NSA invoked against man arrested for black marketing of Remdesivir National Herald

Click here to see the [Original Article](#)

Table 49: Places for report 1070852

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Kanpur	26.46523	80.34975

Table 50: Other Stories

ID	Title	Link
1150992	Charge-sheet filed against gang selling fake Remdesivir injections	Link

Notes: [...] Remdesivir injections seized from Kumar during his arrest were later found to be spurious, he said.

"As per the procedure, we have slapped the NSA against Kumar for selling fake Remdesivir injections," he said. [...]

28 Mystery about source of Remdesivir in black market

Publication date	2021-05-16
Create date	2021-05-19
Score	15.87
Report id	1062671
Category	Antiviral others
Quality	Falsified
Source	Unknown
Curation	Manually curated
Incident or General	Incident

Snippet: Mystery about source of Remdesivir in black market The Hindu

Click here to see the [Original Article](#)

Table 51: Places for report 1062671

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	State of Karnataka	14.66667	75.83333

Notes: In the last fortnight, not a day has gone by without the city police making an arrest for sale of Remdesivir in the black market. Since the State government has regulated the Remdesivir market, both the police as well as the Karnataka State Drugs Control Department are intrigued about the source of the medicine in the black market. There are also concerns about fake medicines being sold.

A senior drugs control officer explained that even the pharma company producing Remdesivir is not allowed free trade of the drug in Karnataka. [...]

29 Hospital staffer held for sale of fake Remdesivir worth Rs 30K

Publication date	2021-05-08
Create date	2021-05-11
Score	15.76
Report id	1052184
Category	Antiviral others
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Hospital staffer held for sale of fake Remdesivir worth Rs 30K Sify

Click here to see the [Original Article](#)

Table 52: Places for report 1052184

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Nāngloi Jāt	28.67957	77.06799

Table 53: Other Stories

ID	Title	Link
1052532	Hospital staffer held for sale of fake Remdesivir worth Rs 30K NEW DELHI	Link

Notes: [...] A whistleblower informed to the Nangloi police about the sale of such fake Remdesivir injections in the Shalimar Bagh hospital. When a victim dialled the accused hospital staffer telling him to provide Remdesivir for treatment of his uncle, he searched on the internet about procuring the injection. One person demanded to provide Remdesivir injections in the Rohini area. When the victim reached the hospital with an injection sold worth Rs 30,000, it turned out to be fake. The victim's uncle had died even before the injection could be arranged. [...]

30 621 fake Remdesivir vials found in Bhakra

Publication date	2021-05-06
Create date	2021-05-11
Score	15.66
Report id	1050572
Category	Antiviral others
Quality	Falsified
Source	Unknown
Curation	Manually curated
Incident or General	Incident

Snippet: 621 fake Remdesivir vials found in Bhakra The Tribune

Click here to see the [Original Article](#)

Table 54: Places for report 1050572

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Bhakra	31.38333	76.45

Table 55: Other Stories

ID	Title	Link
1052387	Amidst shortage, over 600 Remdesivir, 849 unlabelled vials found in Bhakra canal in Punjab, probe on: Read details	Link
1052639	Punjab: Drug Control Officer says Remdesivir vials found in Bhakra canal are fake	Link
1053090	Chandigarh company under lens over fake Remdesivir recovery	Link
1054331	Fact Check: Video Of Fake Remdesivir Vials Floating In Bhakra Canal Viral	Link
1089595	621 fake Remdesivir vials found in Bhakra	Link

Notes: As many as 621 fake Remdesivir injection vials were found dumped in the Bhakra canal near here today. The drug, prescribed for serious cases of Covid 19, is short in supply and several cases of black marketing have been reported in the recent past. Besides Remdesivir, hundreds of Cefoperazone injection vials were also found floating in the canal. While Remdesivir vials were packed in cartons and bore the manufacturer's address of Telangana with Rs 5,400 per

vial as MRP, the wrappers of Cefoperazone vials with "For government supply, not for sale" marking bore the manufacturer's address of Kala Amb in Himachal Pradesh. [...]

31 City tops in cases of fake Remdesivir, illegal sale

Publication date	2021-05-26
Create date	2021-05-28
Score	15.46
Report id	1076472
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: City tops in cases of fake Remdesivir, illegal sale Ahmedabad Mirror

Click here to see the [Original Article](#)

Table 56: Places for report 1076472

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Ahmedabad	23.02579	72.58727

Notes: Remdesivir injections were in great demand at the peak of the second wave of the coronavirus pandemic. But with very little supply against the huge demand, incidents of black-marketing and hoarding of Remdesivir injections have come to light across the state. Taking advantage of the severe shortage of the injections, some even went to the extent of selling fake injections. In just four months, the police have registered a total of 42 cases against 131 accused, according to sources at the state police headquarters in Gandhinagar. During the second wave in 2021, most hospitals in the state were in dire need of beds and Remdesivir injections. Due to non-availability of the injections, people were ready to spend a huge amount of money to save the lives of their relatives from Covid-19. [...]

32 UP: 7 held for selling pneumonia injections as remdesivir

Publication date	2021-05-08
Create date	2021-05-11
Score	15.41
Report id	1052638
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: UP: 7 held for selling pneumonia injections as remdesivir Outlook India

Click here to see the [Original Article](#)

Table 57: Places for report 1052638

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Noida	28.58	77.33

Table 58: Other Stories

ID	Title	Link
1052936	Covid-19: 7 held in UP for selling pneumonia injections as remdesivir	Link

Notes: With the arrest of seven persons, the Noida police on Saturday claimed to have busted a gang that sold vials of injections used in pneumonia treatment packaged as remdesivir. [...] Nine vials of genuine and 140 vials of fake remdesivir injections and Rs 2.45 lakh cash, among other items, were recovered from the accused, the police said. [...]

33 Remdesivir: doctor, pharmacist arrested

Publication date	2021-05-06
Create date	2021-06-07
Score	15.41
Report id	1086409
Category	Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Remdesivir: doctor, pharmacist arrested The Hindu

Click here to see the [Original Article](#)

Table 59: Places for report 1086409

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	State of Tamil Nādu	11	78.33333

Notes: Officials of the Civil Supplies CID on Wednesday night arrested a doctor and a pharmacist for attempting to sell the drug Remdesivir in black market.

The names of the arrested were given as M. Vibhavdevar, 32, a doctor hailing from Villianur near Puducherry and D. Muthuraman, 22, a pharmacist from Tindivanam. The two were handed over to the Villupuram taluk police.

The police seized five vials of Remdesivir from them. [...]

34 Madhya Pradesh: Fake Remdesivir containing salt, glucose in circulation

Publication date	2021-05-09
Create date	2021-05-12
Score	15.29
Report id	1053371
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Madhya Pradesh: Fake Remdesivir containing salt, glucose in circulation India TV News

Click here to see the [Original Article](#)

Table 60: Places for report 1053371

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Madhya Pradesh	23.5	78.5

Table 61: Other Stories

ID	Title	Link
1054288	Jabalpur: Hospital director, 3 others booked in fake Remdesivir case	Link
1054290	Gangs Are Supplying Fake Remdesivir Injections Containing Salt And Glucose In Madhya Pradesh	Link
1054465	VHP leader, 3 others booked for selling fake Remdesivir injections	Link
1054509	Jabalpur VHP Chief Booked for Administering 500 Fake Remdesivir Injections, CM Orders Stern Action	Link
1054593	Jabalpur Hospital Chief And VHP Leader Held For Fake Remdesivir Racket	Link
1055335	Hospital Director In Jabalpur & VHP Leader Arrested For Fake Remdesivir Racket	Link
1055395	Hospital Chief In Jabalpur And VHP Leader Held For Fake Remdesivir Racket	Link

Table 61: Other Stories(continued)

ID	Title	Link
1056040	MP: Three patients died after being given fake Remdesivir, kin allege	Link
1056176	MP: Three Covid-19 Patients Dead After Being Given Fake Remdesivir; Cops Suspect Gujarat Gang	Link
1056227	Madhya Pradesh: Director of Jabalpur City Hospital held in fake Remdesivir scam	Link
1056368	Fake Remdesivir Sale: Director of Pvt Hospital Among Four Against Whom Cops Invoke NSA in MP	Link
1056834	COVID crisis: Three patients die in Indore after being given fake Remdesivir, kin allege	Link
1061038	90% patients who got fake Remdesivir in Madhya Pradesh beat Covid	Link
1061321	90% of COVID-19 patients who got fake Remdesivir survived: Report	Link
1061910	'90% COVID patients who were given fake Remdesivir survived'	Link
1072520	MP: Murder case against fake Remdesivir sellers likely	Link
1083290	MP: Murder case against fake Remdesivir sellers likely Bhopal News	Link
1090762	90% of covid patients recover after they were given fake Remdesivir injection	Link
1138920	Man Involved In Madhya Pradesh Fake Remdesivir Racket Arrested In Gujarat	Link

Notes: An inter-state gang supplied at least 1,200 spurious Remdesivir injections, which contained glucose water and salt, in Madhya Pradesh in the last one month, police said on Sunday. [...] "Investigation revealed that the gang with the help of one Sunil Mishra had supplied 1,200 fake Remdesivir injections in Madhya Pradesh in the last month," he said. [...]

35 Crime : Another man held for illegal selling of Remdesivir Injection

Publication date	2021-05-15
Create date	2021-05-19
Score	15.29
Report id	1063566
Category	Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Crime : Another man held for illegal selling of Remdesivir Injection News Track English

Click here to see the [Original Article](#)

Table 62: Places for report 1063566

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Kadapa	14.47995	78.82346

Notes: As Corona cases increases in country black marketing , fake injection cases are increased in rapid speed. Same cases reported here regarding the shortage of anti-viral drug Remdesivir. Some people are taking advantage of this vulnerable situation to dig others' pockets. Recently an engineering graduate from Andhra Pradesh was arrested by the Cyberabad police as he was indulging in the illegal selling of the Remdesivir drug. The accused was identified as Dandaboina Narsimulu of the Kadapa district. [...]

36 Indore: Youth Congress coordinator of COVID SOS campaign arrested in connection with the fake Remdesivir nexus case

Publication date	2021-05-15
Create date	2021-05-18
Score	15.26
Report id	1061323
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Indore: Youth Congress coordinator of COVID SOS campaign arrested in connection with the fake Remdesivir nexus case OpIndia

Click here to see the [Original Article](#)

Table 63: Places for report 1061323

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Indore	22.71792	75.8333

Table 64: Other Stories

ID	Title	Link
1061490	Hardeep Singh Puri targets Congress after Youth neta arrested in fake Remdesivir case	Link

Notes: Days after a Congress leader was arrested from Faridabad for his alleged involvement in black marketing of oxygen cylinders, another Congress leader has been arrested in Indore for the sale of fake Remdesivir injections, the key antiviral medicinal drug that is increasingly being used to treat the complications arising out of COVID-19. Indore police on Thursday arrested Congress leader Prashant Parashar, along with homoeopathic doctor Sarvar Khan, and two others, taking the tally of arrested accused in the fake Remdesivir nexus case to 11. [...] So far, the officials have seized 437 of the 700 fake Remdesivir injections that were smuggled to Indore from Gujarat based on call recordings and other interrogations of the arrested accused in the case. [...]

37 Lucknow police arrests gangs over black marketing of Remdesivir in UP

Publication date	2021-04-22
Create date	2021-04-29
Score	15.17
Report id	1033631
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Lucknow police arrests gangs over black marketing of Remdesivir in UP THE WEEK

Click here to see the [Original Article](#)

Table 65: Places for report 1033631

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Lucknow	26.83928	80.92313

Table 66: Other Stories

ID	Title	Link
1034155	UP police has launched an extensive drive to check the black-marketing of remdesivir and other drugs	Link
1034856	Uttar Pradesh: Four hospital staff members held for selling fake Remdesivir injections	Link
1037504	44 arrested in UP for black-marketing of Remdesivir	Link
1040817	Three held, 12 oxygen cylinders seized in Lucknow	Link

Notes: The Lucknow police on Friday made two arrests in connection with black marketing of Remdesivir injections in Uttar Pradesh. [...] To cash in on the mounting helplessness of patients and the perception of Remdesivir as "the magic bullet", fake injections are also being sold in the market. The stickers on these vials come with words like 'prescribin' (instead of prescription), 'introvenous' (instead of intravenous) and 'preservactica' (instead of preservative). Even the name of the drug is misspelt as 'Redmdesivir'. [...]

38 Man arrested in Indore for selling fake Remdesivir injections

Publication date	2021-04-15
Create date	2021-04-23
Score	15.17
Report id	1022987
Category	Antiviral others
Quality	Falsified
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Man arrested in Indore for selling fake Remdesivir injections ANI News

Click here to see the [Original Article](#)

Table 67: Places for report 1022987

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Indore	22.71792	75.8333

Table 68: Other Stories

ID	Title	Link
1023852	Pharma owner arrested in Indore with 400 'fake' remdesivir vials	Link
1023967	Black Market Booms As Covid Patients Become Desperate For Timely Aid	Link
1024186	Remdesivir Shortage Creates Chaos But Drug Being Sold On OLX; MP Man Nabbed With 400 'Fake' Injections	Link
1024256	Man Arrested For Allegedly Selling Fake Remdesivir Injections In Indore: What We Know	Link
1024363	COVID-19: Remdesivir injections put up for sale on OLX for Rs 6,000	Link
1024414	Remdesivir Injections Listed Illegally at OLX for Sale, Priced at Rs 6,000 Amid Shortage Across India	Link
1024713	HP unit raided as MP doctor sells fake Remdesivir	Link
1024903	Himachal Pradesh unit raided as Madhya Pradesh doctor sells fake Remdesivir	Link

Table 68: Other Stories(continued)

ID	Title	Link
1026795	Remdesivir black marketing: 6 in Chandigarh, 3 in Indore arrested for illegal drugs sale	Link
1035948	Five arrested for black marketing, selling fake Remdesivir injection in Indore	Link
1043507	Man Held with 400 Vials of Suspected Remdesivir Injections in MPs Indore	Link

Notes: Indore Police Crime Branch on Thursday arrested a pharma company owner for allegedly selling fake Remdesivir injections. [...] Around 400 Remdesivir vials have been recovered from the accused's car, which were found to be fake after being investigated by the drug department. He owns a pharma company in Indore 's Pithampur. He planned to take advantage of the drug shortage and make money," Guru Prasad Parashar, additional Superintendent of Police, Crime Branch said. [...]

39 Mumbai woman buys fake Remdesivir drug via social media, duped of Rs 18000

Publication date	2021-04-21
Create date	2021-04-28
Score	15.17
Report id	1030140
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Mumbai woman buys fake Remdesivir drug via social media, duped of Rs 18000 Zee News

Click here to see the [Original Article](#)

Table 69: Places for report 1030140

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Mumbai	19.07283	72.88261

Table 70: Other Stories

ID	Title	Link
1032433	Mumbai: Man arrested for duping needy patients under guise of supplying Remdesivir	Link

Notes: Mumbai: As demand for the anti-viral drug Remdesivir continues to rise, there are several reports of adulterated medicines being sold.

One such incident has been reported from Mumbai's Tilak Nagar, a woman had bought Remdesivir after receiving details of a seller in a WhatsApp message. the medicine was delivered to her house, but it was found to be fake. The medicine vials had powder instead. [...]

40 Congress Demands Removal of MP Minister over Remdesivir Black-marketing

Publication date	2021-05-19
Create date	2021-05-20
Score	15.05
Report id	1066727
Category	Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Congress Demands Removal of MP Minister over Remdesivir Black-marketing News18

Click here to see the [Original Article](#)

Table 71: Places for report 1066727

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Indore	22.71792	75.8333

Notes: Remdesivir black marketing nexus is expanding in Madhya Pradesh with every passing day and a senior minister in the Shivraj Singh Chouhan Cabinet is feeling the heat of the scam. On Monday, Vijaynagar police in Indore had arrested a man, Punit Agrawal, who was trying to sell Remdesivir vials for Rs 15,000 each. Agrawal who worked as a driver for the District Health Officer, Dr Purnima Gadariya, through a travel agency on Tuesday named one Govind Rajput as the one who offered him the injection for Rs 14,000 per vial. [...]

41 Remdesivir black marketing rackets busted in Gujarat; 10 held

Publication date	2021-04-29
Create date	2021-05-05
Score	15.05
Report id	1041435
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Remdesivir black marketing rackets busted in Gujarat; 10 held Republic World

Click here to see the [Original Article](#)

Table 72: Places for report 1041435

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Ahmedabad	23.02579	72.58727

Table 73: Other Stories

ID	Title	Link
1044009	India News Guj: Factory Manufacturing Fake Remdesivir Busted; Six Held	Link
1044051	Agency News Gujarat Police Arrest 6 Persons From Factory Manufacturing Fake Injections in Surat	Link
1072462	Remdesivir vials worth Rs 5 lakh seized in Gujarat; 5 nabbed	Link

Notes: In two separate incidents, the Ahmedabad police on Thursday nabbed 10 persons, one of them working with a pharma firm, with genuine as well as fake Remdesivir vials which they were planning to sell in the black market at very high rates, officials said. [...] In a shocking revelation, the city crime branch has learnt that seven of them have already sold around 5,000 fake Remdesivir injections, at a rate of up to Rs 29,000 per vial, to the relatives of coronavirus patients, they said. [...]

42 2 arrested for selling fake Remdesivir injections

Publication date	2021-05-01
Create date	2021-05-07
Score	14.93
Report id	1044625
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 2 arrested for selling fake Remdesivir injections The Hindu

Click here to see the [Original Article](#)

Table 74: Places for report 1044625

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Delhi	28.65195	77.23149

Table 75: Other Stories

ID	Title	Link
1045998	Black Marketing Of Healthcare Products- A Crisis Amidst A Crisis	Link
1076119	2 arrested for selling fake Remdesivir at exorbitant rate by Delhi Police	Link

Notes: [...] The police said that an information was received on Friday that one Anshuman, who was selling fake Remdesivir injections at exorbitant price, would come near Cross River Mall around 8 p.m. in his car to sell injections to someone after which a police team spotted them and apprehended them when they tried to flee.

The police said that a total of 17 Remdesivir injections and one car were recovered from their possession and during interrogation, they allegedly revealed that they procured these injections from one Akarshan, a resident of Noida, through one Anil. They were selling these injections at a price of 35,000 per vial, the police said. [...]

43 Three held for selling smuggled Remdesivir in Chennai

Publication date	2021-05-16
Create date	2021-05-18
Score	14.93
Report id	1062448
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Three held for selling smuggled Remdesivir in Chennai The New Indian Express

Click here to see the [Original Article](#)

Table 76: Places for report 1062448

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Bangladesh	Bangladesh	24	90
Southern Asia	India	Chennai	13.08784	80.27847
Southern Asia	India	Adyār	13.00444	80.25833

Notes: Three men were arrested by Adyar police for selling Remdesivir medicines smuggled from Bangladesh. While the authenticity of the vials are to be tested, the trio were remanded in judicial custody. [...] "The special team of police was monitoring sales of Remdesivir medicines on black market and came across an advertisement online which was shared through Whatsapp status and messages. Based on the message, police posing as customers nabbed the trio near Indira Nagar water tank," said the police officer. [...]

44 Madhya Pradesh: Five arrested as Remdesivir black market racket busted by Khargone police

Publication date	2021-05-19
Create date	2021-05-20
Score	14.87
Report id	1066447
Category	Antiviral others
Quality	Diverted/Unregistered
Source	Unspecified outlet
Curation	Manually curated
Incident or General	Incident

Snippet: Madhya Pradesh: Five arrested as Remdesivir black market racket busted by Khargone police Free Press Journal

Click here to see the [Original Article](#)

Table 77: Places for report 1066447

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Khargone	21.82292	75.61394

Notes: Five accused involved in the black marketing of Remdesivir injections and recovered 12 injections from their possession. Khargone police informed that the accused used to sell each vial for Rs 30,000. [...]

45 Two held for selling fake remdesivir vials filled with saline water in Nizamabad

Publication date	2021-04-29
Create date	2021-05-05
Score	14.87
Report id	1041847
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Two held for selling fake remdesivir vials filled with saline water in Nizamabad Telangana Today

Click here to see the [Original Article](#)

Table 78: Places for report 1041847

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Nizāmābād	18.67154	78.0988

Table 79: Other Stories

ID	Title	Link
1042219	Two held for peddling saline water as Remdesivir	Link
1042648	Miscreants Sell Fake Remdesivir Vials Filled with Saline Water, Held	Link
1080304	Two held for selling fake remdesivir vials filled with saline water in Nizamabad	Link

Notes: Two persons were arrested on Thursday for selling fake remdesivir vials filled with saline water in Nizamabad. They were selling each vial for Rs 35,000 to Rs 40,000. [...]

46 45 held for black marketing of oxygen, remdesivir across Haryana

Publication date	2021-05-05
Create date	2021-05-10
Score	14.81
Report id	1048893
Category	Antiviral others, Medical device used for cure/mitigation/treatment
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 45 held for black marketing of oxygen, remdesivir across Haryana Hindustan Times

Click here to see the [Original Article](#)

Table 80: Places for report 1048893

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Pānīpat	29.38747	76.96825
Southern Asia	India	Haryana	29.25	76.33333

Table 81: Drugs for report 1048893

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Table 82: Other Stories

ID	Title	Link
1049630	Supplier of 'fake' Remdesivir held	Link
1051557	NSA Slapped Against 21 for Black-marketing of Remdesivir, Oxygen in Madhya Pradesh	Link

Notes: Haryana police have registered 21 first information reports (FIRs) in connection with black marketing of oxygen, oxygen cylinders, and remdesivir injections across Haryana in the

past two weeks, leading to the arrest of 45 persons and recovery of 77 oxygen cylinders and 101 vials of remdesivir. [...] Police said the accused has admitted that he had sold around 800 injections at 12,000 per injection to Pradeep, who sold it in black at around 30,000 per injection. [...]

47 85 pc seized Remdesivir injections suspected to be fake: Cops

Publication date	2021-05-19
Create date	2021-05-20
Score	14.81
Report id	1066516
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 85 pc seized Remdesivir injections suspected to be fake: Cops Outlook India

Click here to see the [Original Article](#)

Table 83: Places for report 1066516

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Indore	22.71792	75.8333

Notes: The Madhya Pradesh police suspect that 85 per cent of the Remdesivir injections recovered from people accused of black-marketing during the second wave of COVID-19 were fake, a senior official said on Wednesday. Possibly, they were made using salt and glucose, he said. [...] We have arrested 57 accused in 21 cases and recovered from their possession 473 Remdesivir injections. Among them, 400 vials (around 85 pc) are suspected to be fake and possibly made by a Gujarat-based inter-state gang using salt and glucose, Additional Superintendent of Police (Crime Branch) Guruprasad Parashar told PTI. [...]

48 Jabalpur Hospital chief, VHP leader booked for black marketing fake Remdesivir injections

Publication date	2021-05-11
Create date	2021-06-14
Score	14.81
Report id	1092131
Category	Other, Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Jabalpur Hospital chief, VHP leader booked for black marketing fake Remdesivir injections APN Live

Click here to see the [Original Article](#)

Table 84: Places for report 1092131

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Jabalpur	23.16697	79.95006

Table 85: Drugs for report 1092131

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Notes: [...] The incident came to light after a team of Gujarat police busted a fake Remdesivir manufacturing unit and arrested one Sapan Jain from Jabalpur on May 7. In this process, the police have estimated that over 500 fake Remdesivir injections from Indore were sold to patients at his hospital for Rs 35000-40000. [...] The police have also caught 3-4 people from Jabalpur who were selling oxygen cylinders Rs 20,000 for each. [...]

49 Fake Remdesivir making unit busted in Gujarat, 7 held

Publication date	2021-05-01
Create date	2021-05-07
Score	14.81
Report id	1044188
Category	Antiviral others
Quality	Falsified
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: Fake Remdesivir making unit busted in Gujarat, 7 held Deccan Herald

Click here to see the [Original Article](#)

Table 86: Places for report 1044188

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Sūrat	21.19594	72.83023
Southern Asia	India	Morbi	22.81731	70.8377
Southern Asia	India	Ahmedabad	23.02579	72.58727

Table 87: Other Stories

ID	Title	Link
1044504	Cops bust fake remdesivir-making unit, nab 6	Link
1044507	Gujarat: Six detained as Morbi police busts ‘fake remdesivir racket’	Link
1044827	Fake remdesivir racket busted in Gujarat	Link
1049157	Lawyers urged not take up cases of remdesivir scam accused	Link
1079173	Fake Remdesivir: Police raid shop of Jabalpur-based man held in Gujarat bust	Link
1081957	Gujarat factory manufacturing fake Remdesivir busted; six held	Link
1085526	Fake remdesivir racket busted in Gujarat	Link

Notes: Police seized over 60,000 empty vials, 30,000 fake stickers and over Rs 90 lakh cash said to have been made by selling the fake injections in the last ten to fifteen days. The accused

have been taking advantage of the shortage of Remdesivir, an anti-viral drug, which is being used in treating coronavirus cases. The Morbi police got a tip-off about two men suspiciously selling fake Remdesivir injections in the black market at a higher price. Based on the specific information, the police apprehended Rahul Koteya and Raviraj Hirani, both residents of Morbi and found 41 fake injections and Rs 2.15 lakh cash, which they allegedly earned by selling the fake injections, from their possession. [...]

50 Man held for selling ‘fake’ Remdesivir vials to Covid patient’s kin in Surat

Publication date	2021-04-22
Create date	2021-04-29
Score	14.71
Report id	1032835
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Man held for selling ‘fake’ Remdesivir vials to Covid patient’s kin in Surat The Indian Express

Click here to see the [Original Article](#)

Table 88: Places for report 1032835

Region Name	Country	Location	Latitude	Longitude
Europe	France	Surat	45.93771	3.25383

Table 89: Other Stories

ID	Title	Link
1071114	Man held for selling ‘fake’ Remdesivir vials to Covid patient’s kin in Surat	Link

Notes: The Surat Police on Thursday claimed to have detained a man who had allegedly sold six “fake” Remdesivir vials to a person whose relative was admitted in a hospital at Yogi Chowk. Police identified the accused as Divyesh Patel, a resident of Adajan area in Surat. [...]

51 Man Arrested For Selling Fake Remdesivir Vials In Bengaluru

Publication date	2021-04-20
Create date	2021-04-28
Score	14.56
Report id	1028445
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Man Arrested For Selling Fake Remdesivir Vials In Bengaluru The Logical Indian

Click here to see the [Original Article](#)

Table 90: Places for report 1028445

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Shivājīnagar	21.15078	77.11836

Table 91: Other Stories

ID	Title	Link
1049575	Karnataka: Police continue crackdown on Remdesivir black-marketing rackets	Link
1060778	Gang illegally sells Remdesivir, stocks up fake vials	Link
1065556	HC denies bail to man accused of illegal sale of Remdesivir	Link

Notes: On Saturday, the Bengaluru Crime Branch apprehended a pharmaceutical company executive who was attempting to sell counterfeit Remdesivir vials in Shivajinagar, reported The Hindu. Syed Khaja Kaleelulla, 27, was detained in a Shivajinagar eyecare shop for the same. Five vials were seized from the accused. He was trying to sell each vial for 14,500 in the black market. [...]

52 UP: 60 remdesivir injections seized during raid in Baghpat turn out to be fake

Publication date	2021-05-28
Create date	2021-06-02
Score	14.56
Report id	1078649
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: UP: 60 remdesivir injections seized during raid in Baghpat turn out to be fake Times Now

Click here to see the [Original Article](#)

Table 92: Places for report 1078649

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Baghpat	28.95	77.2167

Table 93: Other Stories

ID	Title	Link
1079068	60 remdesivir vials seized from Baghpat gang fake: Lab	Link
1086485	60 remdesivir vials seized from Uttar Pradesh's Baghpat gang fake: Lab Meerut News	Link

Notes: There seems to be no end to illegal profiteering even in times of a raging pandemic. Officials in Baghpat district of Uttar Pradesh said 60 injections of anti-viral drug remdesivir that were seized during a raid on May 19 have turned out to be spurious. [...]

53 Delhi Police busts fake Remdesivir manufacturing racket, nabs 7

Publication date	2021-05-19
Create date	2021-05-20
Score	14.30
Report id	1066627
Category	Antiviral others
Quality	Falsified
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: Delhi Police busts fake Remdesivir manufacturing racket, nabs 7 ANI News

Click here to see the [Original Article](#)

Notes: [...] Their manufacturing unit was in Uttarakhand. The police have recovered as many as 198 vials of fake Remdesivir, packaging material, and 3,000 empty vials. [...]

54 Khammam: Doctor arrested for administering fake Remdesivir to patient

Publication date	2021-05-19
Create date	2021-05-20
Score	14.27
Report id	1066430
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Khammam: Doctor arrested for administering fake Remdesivir to patient Telangana Today

Click here to see the [Original Article](#)

Table 94: Places for report 1066430

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Gollagudem	17.71689	80.62412

Table 95: Other Stories

ID	Title	Link
1066767	3 held for administering fake Remdesivir injection	Link

Notes: Police arrested a doctor and two others while the health officials seized a private hospital here on Wednesday for allegedly administering fake Remdesivir injection to a Covid patient.

Use of fake Remdevisir to treat Covid came to light after the death of a patient, M Bhadraiah of Gollagudem area here. He was admitted to Balaji Chest Hospital with Covid on April 28, and was referred to another hospital on May 4 as his condition turned critical before he died on May 5. [...]

55 2 Sell Remdesivir Vial Containing Water For Rs 28,000, Arrested In Maharashtra: Police

Publication date	2021-04-20
Create date	2021-04-28
Score	14.27
Report id	1031973
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 2 Sell Remdesivir Vial Containing Water For Rs 28,000, Arrested In Maharashtra: Police NDTV

Click here to see the [Original Article](#)

Table 96: Places for report 1031973

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Sakkardāra	21.12552	79.10941
Southern Asia	India	Nagpur	21.14631	79.08491

Table 97: Other Stories

ID	Title	Link
1047480	Maha: 5 held for Remdesivir black-marketing in Nagpur	Link

Notes: Two men were arrested on Tuesday for allegedly selling Remdesivir vials filled with water for 28,000 in Sakkardara area of Nagpur, police said. Abhilash Petkar (28) and Aniket Nandeshwar (21), both working as X-Ray technicians, sold two such bogus vials to a person whose relative was admitted in a COVID-19 facility in Maharashtra by first quoting a price of 40,00 and then bringing it down to 28,000, said Inspector Satyawan Mane. [...]

56 Guj: Five held for black marketing of anti-fungal injections

Publication date	2021-05-21
Create date	2021-05-24
Score	13.86
Report id	1068983
Category	Antifungal
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Guj: Five held for black marketing of anti-fungal injections Outlook India

Click here to see the [Original Article](#)

Table 98: Places for report 1068983

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Ahmedabad	23.02579	72.58727

Table 99: Drugs for report 1068983

Medicine Name	Medicine Class	Action	ATC Code
amphotericin B	Antiinfectives and antiseptics for local oral treatment	stomatological preparations	A01AB04
amphotericin B	Antibiotics	intestinal antiinfectives	A07AA07
amphotericin B	Antibiotics	antiinfectives and antiseptics, excl. combinations with corticosteroids	G01AA03
amphotericin B	Antibiotics	antimycotics for systemic use	J02AA01

Notes: Five persons have been arrested for allegedly trying to black market an anti-fungal injection used in the treatment of mucormycosis in Gujarat's Ahmedabad city, police said on Friday. [...] Based on a tip-off, the city crime branch laid a trap in Naranpura area on Thursday and nabbed four men with eight vials of Amphotericin B, worth Rs 2,518, said a release by crime

branch on Friday, the official said. The accused Pragnesh Patel, Vashishth Patel, Nirav Panchal and Smit Raval were allegedly selling a vial of injection, worth Rs 314, for Rs 10,000, he said. [...]

57 Unit making fake Covid med vials busted, 5 held

Publication date	2021-04-29
Create date	2021-05-05
Score	13.86
Report id	1041873
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Unit making fake Covid med vials busted, 5 held Times of India

Click here to see the [Original Article](#)

Table 100: Places for report 1041873

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Kotdwāra	29.74612	78.52219

Table 101: Other Stories

ID	Title	Link
1042395	7 arrested for running fake Remdesivir injection factory in Uttarakhand, already sold 2,000 injections	Link
1043219	Remdesivir mega bust in Delhi; 3,000 fake vials seized, 2,000 already sold [details]	Link
1043228	Cops bust fake Remdesivir factory in U'khand, 7 held	Link
1043272	7 held for running factory producing fake remdesivir; already sold 2,000 injections in Delhi	Link
1043319	7 held for running factory producing fake remdesivir	Link
1043420	Playing With Lives: Gang Selling Fake Remdesivir Busted, 7 Held. Filled With Antibiotics, Vials Sold For	Link
1044498	Delhi Crime Branch cracked down at Uttarakhand manufacturing unit of fake Remdesivir injections	Link
1052243	Delhi's fake remdesivir injection racket: Two more arrested in Uttarakhand	Link
1059030	Unit making fake Covid med vials busted, 5 held Delhi News	Link

Table 101: Other Stories(continued)

ID	Title	Link
1060629	5 arrested for manufacturing fake Remdesivir injections	Link
1081193	7 held for running factory producing fake remdesivir	Link

Notes: Delhi Police has arrested five people and unearthed a "pharmaceutical" unit, which was manufacturing large quantities of fake Remdesivir injections. The accused said that they have already sold 2,000 fake Remdesivir injections to desperate people. The unit was located at Kotdwar in Uttarakhand. Each vial was being sold for Rs 25,000 to the kin of needy patients. An FIR has been registered and cops are trying to arrest the other members of this syndicate. The machines and equipment used in the manufacturing of the fake injections have been seized apart from 196 ready-to-sell fake Remdesivir injections and 3,000 empty vials.

58 93 remdesivir vials found with hoarder are spurious: Report

Publication date	2021-05-27
Create date	2021-05-28
Score	13.12
Report id	1077874
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 93 remdesivir vials found with hoarder are spurious: Report Times of India

Click here to see the [Original Article](#)

Table 102: Places for report 1077874

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Noida	28.58	77.33

Table 103: Other Stories

ID	Title	Link
1086206	UP: Charges under stringent NSA against man held for selling fake Remdesivir	Link
1086322	NSA charges against Noida man held for selling fake Remdesivir	Link
1086486	India News UP: Charges Under Stringent NSA Against Man Held for Selling Fake Remdesivir	Link
1086801	Noida: Man faces NSA proceedings for selling fake remdesivir injections and fraud	Link
1086906	Covid-19: Man faces NSA proceedings for selling fake remdesivir injections and black marketing other Covid related drugs	Link
1087899	DM invokes NSA against man who sold remdesivir in black market	Link
1088298	Delhi Man Booked Under National Security Act For Selling Fake Remdesivir, COVID Medicines	Link
1112621	Noida Police nabs Haryana man in remdesivir black marketing case	Link

Table 103: Other Stories(continued)

ID	Title	Link
1112760	Noida police nabs Haryana man in remdesivir black marketing case	Link

Notes: [...] Last month, TOI had reported that Noida police had arrested Rachit Ghai with 105 vials of the injection and each dose was being sold for Rs 15,000-Rs 40,000. Officials had sent 96 vials to a Lucknow laboratory for examination and according to the report, 93 of them are "spurious". [...]

59 Unit making fake COVID vials sealed by Haryana police, 11 held

Publication date	2021-05-25
Create date	2021-05-26
Score	12.94
Report id	1073890
Category	Antiviral others
Quality	Falsified
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: Unit making fake COVID vials sealed by Haryana police, 11 held United News of India

Click here to see the [Original Article](#)

Table 104: Places for report 1073890

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Haryana	29.25	76.33333

Table 105: Other Stories

ID	Title	Link
1074064	Over 650 Fake Remdesivir Vials Seized From Himachal Plant, 11 Arrested	Link
1074184	Falsified remdesivir found at Indian pharma plant - 2021-05-25	Link
1074192	Fake Remdesivir racket busted in Haryana, 11 arrested	Link
1074239	Falsified remdesivir found at Indian pharma plant	Link
1074345	Nalagarh-based pharma unit making fake Covid drug vials sealed	Link
1074680	Haryana FDA busts fake Remdesivir racket, 11 held	Link
1077222	Ambala police busts a gang of manufacturing fake remdesivir injections & drugs	Link

Notes: In a major crackdown on black-marketing of counterfeit drugs, Haryana Police has sealed a 'pharmaceutical unit' located at Nalagarh in Himachal Pradesh which was manufacturing large

quantities of fake remdesivir injections. [...] In all 673 fake remdesivir injections were recovered of which 423 vials were seized from the arrested accused. The remaining 250 vials were recovered yesterday from the unit which was subsequently sealed. [...]

60 Gujarat fake remdesivir injections ceased amidst a shortage of supplies

Publication date	2021-05-03
Create date	2021-05-07
Score	12.60
Report id	1045885
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Gujarat fake remdesivir injections ceased amidst a shortage of supplies Times Now

Click here to see the [Original Article](#)

Table 106: Places for report 1045885

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	State of Gujarāt	23	71.75

Table 107: Other Stories

ID	Title	Link
1061589	2,73,000 doses of fake Remdesivir injections seized in Gujarat	Link

Notes: Amidst a shortage of covid supplies and oxygen, 2,73,000 fake remdesvir injections were ceased in Gujarat. The nation is grappling with a shortage of oxygen and injections, and this report has shocked the country. More details are yet to be uncovered by the state authorities, strict action will be taken against those involved in the racket. Last month, a similar misplacement of the vaccine stock was reported by the Maharashtra government. The CBI and state officials looked into the same to trace the package. Similar action will be taken here, with severe punishment for the people involved.

61 NAFDAC Intercepts Truck of Banned Drugs, Vaccines in Delta

Publication date	2021-04-15
Create date	2021-04-23
Score	11.96
Report id	1023036
Category	Antiparasitic, Other, Antitussive, Anti-malarial, Anti-inflammatory medicine, Vaccine
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: NAFDAC Intercepts Truck of Banned Drugs, Vaccines in Delta THISDAY Newspapers

Click here to see the [Original Article](#)

Table 108: Places for report 1023036

Region Name	Country	Location	Latitude	Longitude
Western Africa	Nigeria	Asaba	6.19824	6.73187

Table 109: Drugs for report 1023036

Medicine Name	Medicine Class	Action	ATC Code
mepacrine	Other agents against amoebiasis and other protozoal diseases	agents against amoebiasis and other protozoal diseases	P01AX05
codeine	Opium alkaloids and derivatives	cough suppressants, excl. combinations with expectorants	R05DA04
artesunate	Artemisinin and derivatives, plain	antimalarials	P01BE03
diethylcarbamazine	Piperazine and derivatives	antiparasitic agents	P02CB02
			J07

Notes: [...] Sayo Akintola, quoted the NAFDAC boss as saying that a Mercedes Truck suspected to be carrying substandard and falsified medicinal products was intercepted along Asaba –Benin road by officers of the agency’s Investigation and Enforcement (I&E) Directorate, following an intelligence report. She said that after thorough screening, the truck was found to contain, among other products, “improperly stored Tetanus Diphtheria vaccine, and various unregistered, banned and controlled medicinal products, including Analgin Injection, CSP with Codeine cough syrup, Mepacrine HCL Tablets, Diethylcarbamazine Citrate Tablets, Dano Tetanus Vaccine, Artestunate Injection, and many others”. [...]

62 Pfizer Identifies Fake Covid-19 Shots Abroad as Criminals Exploit Vaccine Demand

Publication date	2021-04-21
Create date	2021-04-28
Score	11.76
Report id	1030129
Category	Vaccine
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Pfizer Identifies Fake Covid-19 Shots Abroad as Criminals Exploit Vaccine Demand
The Wall Street Journal

Click here to see the [Original Article](#)

Table 110: Places for report 1030129

Region Name	Country	Location	Latitude	Longitude
Europe	Poland	Republic of Poland	52	20
Americas	Mexico	Mexico	23	-102

Table 111: Drugs for report 1030129

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 112: Other Stories

ID	Title	Link
1030271	Pfizer identifies first counterfeit versions of its Covid-19 vaccine	Link
1030364	What We're Reading: J&J Vaccines to Restart in EU; Vaccination Rates Differ by Sex; Pfizer Reporting Fake COVID-19 Shots	Link
1030430	EU says J&J vaccine benefits outweigh risks, Pfizer finds fake COVID-19 shots	Link

Table 112: Other Stories(continued)

ID	Title	Link
1030436	Pfizer says it has uncovered counterfeit COVID vaccine distribution in Poland and Mexico	Link
1030508	Pfizer Just Issued This Alarming Warning About Counterfeit Vaccine	Link
1030592	Early Addition: Mexican Clinic Caught Selling Fake Pfizer Vaccines Out Of Beer Coolers	Link
1030634	FILE-PFIZER IDENTIFIES FAKE COVID VACCINE IN MEXICO, POLAND	Link
1030640	Mexico, Poland find fake Pfizer coronavirus vaccines - Reports	Link
1030659	Pfizer identifies fake covid-19 shots abroad as criminals exploit vaccine demand	Link
1030704	Pfizer says phony COVID-19 vaccines are turning up outside the U.S.	Link
1030707	Pfizer uncovers counterfeit COVID-19 shots abroad: report	Link
1030796	Pfizer identifies fake COVID-19 shots abroad Yahoo Finance Video	Link
1030844	Organized crime groups are selling fake COVID-19 vaccines and forged negative tests, expert says	Link
1030883	Mexico calls fake coronavirus vaccines "a risk to health"	Link
1030934	Fake coronavirus vaccine: Counterfeit versions of Pfizer COVID-19 vaccine identified in Mexico, Poland	Link
1030980	Pfizer identifies counterfeit COVID-19 vaccine in Mexico, Poland; warns of increase in fraud	Link
1031036	First counterfeit Pfizer COVID-19 vaccines surface in Poland and Mexico	Link
1031225	Pfizer confirms fake vaccine shots on sale in Mexico, Poland: reports	Link
1031227	80 People in Mexico Paid \$1,000 for Counterfeit Coronavirus Vaccine Doses From Beer Coolers	Link
1031524	Pfizer Sounds Alarm Against Counterfeit COVID-19 Vaccines: What You Need To Know	Link
1031608	Fake Pfizer vaccines seized in Mexico & Poland contained distilled water, skin care products – media	Link
1031610	Pfizer identifies fake COVID-19 shots abroad	Link
1031781	Pfizer vaccine scam: Pharmaceutical giant issues warning about fake doses of the jab	Link
1031938	Criminals cashing-in on fake Pfizer vaccines – With insights from The Wall Street Journal	Link
1031939	Pfizer identifies fake COVID-19 shots abroad as criminals exploit vaccine demand	Link
1031961	Pfizer confirms fake COVID vaccines found in Mexico, Poland black markets	Link

Table 112: Other Stories(continued)

ID	Title	Link
1031967	Pfizer confirms fake vaccine shots	Link
1031975	Coronavirus: Pfizer confirms fake versions of vaccine in Poland and Mexico	Link
1032072	Fake Pfizer vaccines found in Mexico and Poland	Link
1032132	Pfizer finds fake doses of its COVID-19 vaccine in Mexico and Poland	Link
1032243	Pfizer warning about counterfeit versions of its COVID-19 vaccine	Link
1032251	Bogus but harmless Covid-19 vaccines seized in Mexico and Poland	Link
1032608	Money Matters: Costco and Fake Vaccines	Link
1032736	Fake Version Of Pfizer's COVID Vaccine Discovered In Mexico And Poland WSRW 101.5	Link
1032739	Read next on IOL Fake Pfizer vaccine shots sold in Mexico, Poland	Link
1032904	Pfizer Confirms Fake COVID-19 Vaccines Were Sold in Mexico and Poland	Link
1033077	Pfizer confirms fake vaccine shots on sale in two countries	Link
1033147	Pfizer identifies fake COVID-19 shots abroad	Link
1033199	Counterfeit Pfizer COVID-19 vaccine doses found in Mexico, Poland	Link
1033299	Fake Pfizer vaccines seized in Mexico and Poland	Link
1033789	Pfizer identifies fake COVID-19 vaccine doses in Mexico, Poland	Link
1034084	Fake Vials Of The Pfizer COVID-19 Vaccine Uncovered In Poland And Mexico	Link
1034131	Fake Version Of Pfizer's COVID Vaccine Discovered In Mexico And Poland	Link
1034164	Fake Pfizer COVID-19 Vaccines Being Sold Online	Link
1034217	Pfizer's dummy vaccines were confiscated in Poland and Mexico	Link
1034220	Pfizer confirms that fake vaccine are being sold in Mexico	Link
1035278	Corona vaccine counterfeits cause uncertainty	Link
1036575	\$1,000 a shot: Fake Pfizer COVID vaccines available globally as desperation grows in countries without access	Link
1042452	Fake Pfizer Covid Vaccines Found in Poland and Mexico Due to Increasing Demand	Link
1052612	Mexico calls fake coronavirus vaccines 'a risk to health' after officials found falsified doses	Link
1070207	Pfizer confirms fake vaccine shots on sale in Mexico, Poland: reports	Link

Notes: Pfizer Inc. says it has identified in Mexico and Poland the first confirmed instances of counterfeit versions of the Covid-19 vaccine it developed with BioNTech SE, the latest attempt by criminals trying to exploit the world-wide vaccination campaign. Vials seized by authorities in separate investigations were tested by the company and confirmed to contain bogus vaccine. The vials recovered in Mexico also had fraudulent labeling, while a substance inside vials in Poland was likely an antiwrinkle treatment, Pfizer said. About 80 people at a clinic in Mexico received a fake vaccine going for about \$1,000 a dose, though they don't appear to have been physically harmed. The vials, found in beach-style beer coolers, had different lot numbers than those sent to the state, and a wrong expiration date, said Dr. Manuel de la O Cavazos, the health secretary of Nuevo León state. [...]

63 Vital Sex contains hidden drug ingredient - 2021-04-28

Publication date	2021-04-28
Create date	2021-05-05
Score	10.66
Report id	1040579
Category	Nutritional supplement
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Public Notification

Click here to see the [Original Article](#)

Table 113: Places for report 1040579

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 114: Other Stories

ID	Title	Link
1041550	Public Notification: Vital Sex contains hidden drug ingredient - 2021-04-29	Link

Notes: [...] FDA laboratory analysis confirmed that Vital Sex contains sildenafil, the active ingredient in Viagra, an FDA-approved prescription drug for erectile dysfunction. FDA's approval of Viagra is restricted to use under the supervision of a licensed health care professional. This undeclared ingredient may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

64 Public Notification: Enerup Premium contains hidden drug ingredient - 2021-04-29

Publication date	2021-04-29
Create date	2021-05-05
Score	10.30
Report id	1041137
Category	Nutritional supplement
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: The Food and Drug Administration is advising consumers not to purchase or use Enerup Premium, a product promoted and sold for sexual enhancement. This product was identified during an examination of international mail shipments.

Click here to see the [Original Article](#)

Table 115: Places for report 1041137

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 116: Other Stories

ID	Title	Link
1079722	Public Notification: Enerup Premium contains hidden drug ingredient - 2021-04-29	Link

Notes: [...] FDA laboratory analysis confirmed that Enerup Premium contains sildenafil, the active ingredient in Viagra, an FDA-approved prescription drug for erectile dysfunction. FDA's approval of Viagra is restricted to use under the supervision of a licensed health care professional. This undeclared ingredient may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

65 In Ahmedabad, 4 held for ‘selling’ antiviral injections in black market

Publication date	2021-04-28
Create date	2021-05-05
Score	10.10
Report id	1040731
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: In Ahmedabad, 4 held for ‘selling’ antiviral injections in black market The Indian Express

Click here to see the [Original Article](#)

Table 117: Places for report 1040731

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Ahmedabad	23.02579	72.58727

Notes: Four persons have been arrested for trying to sell Remdesivir injections, used to treat coronavirus disease, in the black market at exorbitant prices in Ahmedabad, police said Wednesday. Since April 11, a total of 13 people have been arrested in Ahmedabad for trying to sell the crucial drug illegally. [...]

66 Public Notification: PremierZen Black 5000 contains hidden drug ingredients - 2021-04-06

Publication date	2021-04-06
Create date	2021-04-08
Score	9.96
Report id	1009610
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: The Food and Drug Administration is advising consumers not to purchase or use PremierZen Black 5000, a product promoted and sold for sexual enhancement on various websites, including Amazon.com, and possibly in some retail stores.

Click here to see the [Original Article](#)

Table 118: Places for report 1009610

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Notes: [...] FDA laboratory analysis confirmed that PremierZen Black 5000 purchased from Amazon.com contains sildenafil and tadalafil, the active ingredients in the FDA-approved prescription drugs Viagra and Cialis, respectively, used to treat erectile dysfunction. FDA approvals of Viagra and Cialis are restricted to use under the supervision of a licensed health care professional. These undeclared ingredients may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

67 Public Notification: Premium OrgaZen 7000 contains hidden drug ingredients - 2021-05-06

Publication date	2021-05-06
Create date	2021-05-28
Score	9.96
Report id	1076951
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: The Food and Drug Administration is advising consumers not to purchase or use Premium OrgaZen 7000, a product promoted and sold for sexual enhancement on various websites, including Amazon.com, and possibly in some retail stores.

Click here to see the [Original Article](#)

Table 119: Places for report 1076951

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 120: Other Stories

ID	Title	Link
1100456	Public Notification: PremierZen Gold 7000 contains hidden drug ingredients - 2021-06-15	Link

Notes: [...] FDA laboratory analysis confirmed that Premium OrgaZen 7000 purchased from Amazon.com contains sildenafil and tadalafil, the active ingredients in the FDA-approved prescription drugs Viagra and Cialis, respectively, used to treat erectile dysfunction. FDA approvals of Viagra and Cialis are restricted to use under the supervision of a licensed health care professional. These undeclared ingredients may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

68 Public Notification: Thumbs Up 7 Red 70K contains hidden drug ingredients - 2021-04-06

Publication date	2021-04-06
Create date	2021-04-08
Score	9.65
Report id	1009612
Category	Nutritional supplement
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: The Food and Drug Administration is advising consumers not to purchase or use Thumbs Up 7 Red 70K, a product promoted and sold for sexual enhancement on various web-sites, including Amazon.com, and possibly in some retail stores.

Click here to see the [Original Article](#)

Table 121: Places for report 1009612

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 122: Other Stories

ID	Title	Link
1009613	Public Notification: Thumbs Up 7 Blue 69K contains hidden drug ingredients - 2021-04-06	Link

Notes: [...] FDA laboratory analysis confirmed that Thumbs Up 7 Red 70K purchased from Amazon.com contains sildenafil, tadalafil and vardenafil, the active ingredients in the FDA-approved prescription drugs Viagra, Cialis and Levitra, respectively, used to treat erectile dysfunction. FDA approvals of Viagra, Cialis and Levitra are restricted to use under the supervision of a licensed health care professional. These undeclared ingredients may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

69 Korea gives 500,000 AstraZeneca shots with potentially faulty syringes

Publication date	2021-04-16
Create date	2021-04-26
Score	9.17
Report id	1025296
Category	Medical device used for cure/mitigation/treatment
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Korea gives 500,000 AstraZeneca shots with potentially faulty syringes The Korea Herald

Click here to see the [Original Article](#)

Table 123: Places for report 1025296

Region Name	Country	Location	Latitude	Longitude
Western Asia	Republic of Korea	Seoul	37.566	126.9784

Notes: At least 500,000 people in South Korea were given AstraZeneca's COVID-19 vaccine with potentially faulty syringes, a Korea Disease Control and Prevention Agency official told The Korea Herald Friday.

The official said the agency had ordered a recall of some 700,000 special syringes – designed to squeeze extra doses out of a vaccine vial – after reports of contamination and erroneous scale markings. [...]

70 UP: 2 held for black marketing oxygen cylinder, 1 for selling fake flow meter

Publication date	2021-04-29
Create date	2021-05-05
Score	8.81
Report id	1041792
Category	Medical device used for cure/mitigation/treatment
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: UP: 2 held for black marketing oxygen cylinder, 1 for selling fake flow meter Devdiscourse

Click here to see the [Original Article](#)

Table 124: Places for report 1041792

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Greater Noida	28.49615	77.53601
Southern Asia	India	Noida	28.58	77.33

Table 125: Drugs for report 1041792

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Table 126: Other Stories

ID	Title	Link
1042171	Sold O2 cylinders in black market, 2 held	Link

Notes: Amid COVID-19 crisis, two men were held for allegedly black marketing oxygen cylinders in Noida, while one person was held for selling fake flow meters in Greater Noida, police said on Thursday. [...]

71 Three Bengaluru doctors held for blackmarketing of COVID-19 vaccines and drugs

Publication date	2021-05-20
Create date	2021-05-24
Score	7.66
Report id	1068658
Category	Antiviral others, Vaccine
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Three Bengaluru doctors held for blackmarketing of COVID-19 vaccines and drugs
The News Minute

Click here to see the [Original Article](#)

Table 127: Places for report 1068658

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Bengaluru	12.97194	77.59369

Table 128: Drugs for report 1068658

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 129: Other Stories

ID	Title	Link
1068181	PHC doctor arrested for giving vaccine at home	Link
1068735	Bengaluru: Four, including 2 doctors, arrested for illegal sale of remdesivir	Link
1068777	Bengaluru police bust fake Covid certificate racket, arrest 2 doctors – Mysuru Today	Link
1068919	Bengaluru police arrests a doctor who stole vaccine from PHC for illegal private drive	Link

Table 129: Other Stories(continued)

ID	Title	Link
1068982	Three doctors arrested in Bengaluru for selling illegal vaccines, Remedisvir drug and fake negative Covid-19 reports	Link

Notes: Police in Bengaluru arrested two women on May 20 including a 25-year-old contract doctor working with the Bruhat Bengaluru Mahanagara Palike (BBMP) for allegedly black marketing COVID-19 vaccines. According to media reports, the accused are Dr Pushpita who was attached with the Manjunathanagar Primary Health Centre (PHC) and her relative Prema, a resident of ITI Layout. Sanjeev Patil, Deputy Commissioner of Police (West), said that the vaccines, which were meant for the public and were to be administered for free, were kept at Prema's residence. Police said that they were being administered at Rs 500 per dose to private beneficiaries there daily post 4 pm from April 23, according to The Times of India.

The duo was caught red handed after police received a tip off and posed as a beneficiary. The same day, police had arrested four persons, including two doctors working with a Primary Health Centre (PHC), for allegedly running a racket of issuing fake COVID-19 certificates and black marketing antiviral drug Remdesivir. According to the police, two of the accused persons have been identified as Dr B Shekhar (25) and Prajwala, who worked as medical officer and doctor, respectively, at the PHC in Chamarajpet in the city. [...]

72 Lebanon County Man Sentenced To Seventy Months' Imprisonment For Trafficking Counterfeit Drugs

Publication date	2021-04-15
Create date	2021-04-23
Score	7.53
Report id	1023033
Category	Anxiolytic, Erectile dysfunction medicine
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Lebanon County Man Sentenced To Seventy Months' Imprisonment For Trafficking Counterfeit Drugs Department of Justice

Click here to see the [Original Article](#)

Table 130: Places for report 1023033

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Pennsylvania	40.27245	-76.90567
Americas	United States	Harrisburg	40.2737	-76.88442

Table 131: Drugs for report 1023033

Medicine Name	Medicine Class	Action	ATC Code
sildenafil	Drugs used in erectile dysfunction	urologicals	G04BE03
tadalafil	Drugs used in erectile dysfunction	urologicals	G04BE08
diazepam	Benzodiazepine derivatives	anxiolytics	N05BA01
varденаfil	Drugs used in erectile dysfunction	urologicals	G04BE09
alprazolam	Benzodiazepine derivatives	anxiolytics	N05BA12

Table 132: Other Stories

ID	Title	Link
1023132	Lebanon County Man Sentenced to Seventy Months' Imprisonment for Trafficking Counterfeit Drugs - 2021-04-15	Link

Notes: [...] According to Acting United States Attorney Bruce D. Brandler, Knoche previously admitted that he intentionally trafficked drugs knowing them to contain counterfeit marks of pharmaceutical manufacturers Pfizer Pharmaceuticals, Bayer AG, Eli Lilly and Company, and Roche Holding AG between May 2017 and April 2018. Knoche further acknowledged that he trafficked counterfeit Viagra, Aurogra, Xanax, Levitra, Cialis, and Valium, all using counterfeit trademarks of their respective pharmaceutical companies. [...]

73 Police: Dealer arrested after teen nearly dies of overdose

Publication date	2021-04-08
Create date	2021-04-20
Score	6.31
Report id	1018935
Category	Opioid
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Police: Dealer arrested after teen nearly dies of overdose 14 News WFIE Evansville

Click here to see the [Original Article](#)

Table 133: Places for report 1018935

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Madisonville	37.3281	-87.49889

Table 134: Drugs for report 1018935

Medicine Name	Medicine Class	Action	ATC Code
oxycodone and paracetamol	Opioids in combination with non-opioid analgesics	opioids	N02AJ17

Notes: Madisonville Police say a 17-year-old thought the pill they took Wednesday was Percocet, but it was actually laced with fentanyl. [...]

74 Deputies arrest man who allegedly sold fentanyl-laced pills in Bellingham

Publication date	2021-04-09
Create date	2021-04-19
Score	5.97
Report id	1014746
Category	Opioid
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Deputies arrest man who allegedly sold fentanyl-laced pills in Bellingham KGMI

Click here to see the [Original Article](#)

Table 135: Places for report 1014746

Region Name	Country	Location	Latitude	Longitude
Americas	Canada	Bellingham	46.39316	-83.28598

Table 136: Drugs for report 1014746

Medicine Name	Medicine Class	Action	ATC Code
oxycodone and paracetamol	Opioids in combination with non-opioid analgesics	opioids	N02AJ17

Notes: A man in Bellingham died after ingesting counterfeit pills that a co-worker allegedly sold him. [...] Deputies determined that the victim was sold a fentanyl-laced counterfeit Percocet pill by a co-worker earlier that afternoon, which he took

32-year-old Derik A. Shooster of Hamilton, Washington was arrested and booked into the Whatcom County Jail on the investigation of Controlled Substance Homicide.

75 Fort Worth man accused in fentanyl overdose death of Parker County 18-year-old

Publication date	2021-05-03
Create date	2021-05-07
Score	5.90
Report id	1046104
Category	Opioid
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Fort Worth man accused in fentanyl overdose death of Parker County 18-year-old Fort Worth Star-Telegram

Click here to see the [Original Article](#)

Table 137: Places for report 1046104

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Parker	32.77765	-97.8051

Table 138: Drugs for report 1046104

Medicine Name	Medicine Class	Action	ATC Code
oxycodone and paracetamol	Opioids in combination with non-opioid analgesics	opioids	N02AJ17

Notes: A Fort Worth man who was arrested last week is accused of supplying the drugs which contained fentanyl that killed a Parker County teen last month, according to the Parker County Sheriff's Office. Authorities believe Kaden Vincent, 18, snorted a crushed blue tablet marked as "M30" that was sold to the teen as Percocet. [...]

76 Bessemer Couple Sentenced for Producing Fake Prescription Drugs

Publication date	2021-05-11
Create date	2021-05-14
Score	5.31
Report id	1056216
Category	Anxiolytic, Analgesic, Psychoactive substance, Opioid
Quality	Falsified
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: Bessemer Couple Sentenced for Producing Fake Prescription Drugs Department of Justice

Click here to see the [Original Article](#)

Table 139: Places for report 1056216

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Birmingham	33.52066	-86.80249

Table 140: Drugs for report 1056216

Medicine Name	Medicine Class	Action	ATC Code
carisoprodol	Carbamic acid esters	muscle relaxants, centrally acting agents	M03BA02
oxycodone	Natural opium alkaloids	opioids	N02AA05
hydrocodone	Opium alkaloids and derivatives	cough suppressants, excl. combinations with expectorants	R05DA03
alprazolam	Benzodiazepine derivatives	anxiolytics	N05BA12

Table 141: Other Stories

ID	Title	Link
1057490	Bessemer Couple Sentenced for Producing Fake Prescription Drugs - 2021-05-12	Link
1061372	Pharmaceutical counterfeiting couple sentenced in US	Link
1063601	Pharmaceutical counterfeiting couple sentenced in US - 2021-05-12	Link
1083880	Bessemer couple sentenced for selling counterfeit prescription drugs	Link
1084489	Bessemer couple used heroin, fentanyl to make fake prescription drugs to sell, trade	Link

Notes: [...] According to their plea agreements, in April 2018, an international mail package from China was intercepted en route to 3300 Berkley Avenue, Bessemer, Alabama, the home of Coleman and Sims. The package contained two metal dies and a metal mold designed to be used to produce pressed pills. Authorities searched the Bessemer home, finding controlled substances, multiple firearms, and a pill press, powders and dyes used to make fake drugs. In October 2019, authorities again searched the home, finding an additional pill press, punch and die, and firearms. Coleman and Sims ran a counterfeit prescription pill operation out of their home in Bessemer in which Coleman used acetaminophen, fentanyl, heroin, and paverine to make pills similar in appearance to legitimate pharmaceuticals with markings such as "Lortab", "Adderall", "Soma", "Xanax", "Ecstasy", "Oxycodone", and "OxyContin." Coleman sold or traded these pills to obtain other drugs.

77 CBS 2 Investigators Go Undercover And Find Pharmacist Selling ‘Empty’ COVID Vaccine Vials Online: ‘I Did Not Think It Was A Big Deal’

Publication date	2021-04-30
Create date	2021-05-07
Score	4.22
Report id	1043609
Category	Vaccine
Quality	Diverted/Unregistered
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: CBS 2 Investigators Go Undercover And Find Pharmacist Selling ‘Empty’ COVID Vaccine Vials Online: ‘I Did Not Think It Was A Big Deal’ CBS Chicago

Click here to see the [Original Article](#)

Table 142: Places for report 1043609

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Chicago	41.85003	-87.65005

Table 143: Drugs for report 1043609

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: [...] We searched online ecommerce platforms and it didn’t take long to find someone selling a pair of vials – one each, Pfizer and Moderna – on eBay for \$35. The posting described them as “Used empty vials (contains no drugs).” The post showed 28 pairs had been sold and 9 were still available. There had been 19 views of the post in the past hour when we took the screenshot. [...] About a week later, we searched again – this time we found a seller on Craigslist. That seller used the same picture, selling a pair of vials for the same price. But the description was slightly different. This post described the vials as “Empty and sterilized- there is no medicine inside” and advertised them to buyers as a way to “Own a piece of history today.” [...]

78 Incredible Products, SA de CV - Finished Pharmaceuticals/ Unapproved New Drug/Misbranded/Adulterated - Jalisco - 2021-05-27

Publication date	2021-05-27
Create date	2021-06-04
Score	4.07
Report id	1083350
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: WARNING LETTER Incredible Products, SA de CV MARCS-CMS 609503 — May 27, 2021 Share Tweet LinkedIn Email Print Delivery Method: VIA UPS Product: Drugs Recipient: Recipient Name Diego Lomeli Pelayo Recipient Title Co-Owner Incredible Products, SA de CV Calle Castellanos y Tapia No. 921 Col. Santa Maria 44350 Guadalajara , Jal. Mexico Issuing Office: Center for Drug Evaluation and Research United States Warning Letter 320-21-47 May 27, 2021 Dear Mr. Pelayo: Your firm is registered as a human drug manufacturer. The U.S. Food and Drug Administration (FDA) conducted testing of a consumer antiseptic hand rub drug product (also referred to as consumer hand sanitizer) labeled as GELBACT ANTIBACTERIAL HAND GEL. This drug product is labeled as manufactured by your facility, Incredible Products S.A. de C.V., FEI 3009788529, Calle Castellanos y Tapia No. 921, Col. Santa Maria, Guadalajara, Jalisco 44350 Mexico. Following an attempt to import GELBACT ANTIBACTERIAL HAND GEL into the United States, it was detained and refused admission at the border. The results of the FDA laboratory testing of a batch of this product detained at the border demonstrate that this drug product, labeled as manufactured at your facility, is adulterated within the meaning of section 501(d)(2) of the Federal Food, Drug, and Cosmetic Act (FD&C Act or the Act), 21 U.S.C. 351(d)(2), in that a substance was substituted wholly or in part therefor. In addition, this product is adulterated within the meaning of section 501(a)(2)(B) of the FD&C Act (21 U.S.C. 351(a)(2)(B)), in that the substitution demonstrates that the quality assurance within your facility is not functioning in accordance with Current Good Manufacturing Practice (CGMP) requirements. In addition, GELBACT ANTIBACTERIAL HAND GEL is an unapproved new drug introduced or delivered for introduction into interstate commerce in violation of section 505(a) of the FD&C Act, 21 U.S.C. 355(a) and is misbranded under sections 502(j), (a), (e), (x) and (ee) of the FD&C Act, 21 U.S.C. 352(j), (a), (e), (x) and (ee). Introduction or delivery for introduction of such products into interstate commerce is prohibited under sections 301(d) and (a) of the FD&C Act, 21 U.S.C. 331(d) and (a). These violations are described in more detail below. Adulteration Violations GELBACT ANTIBACTERIAL HAND GEL, labeled as manufactured at your facility, is labeled to contain 80% volume/volume (v/v) of the active ingredient

alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that this product contained an average of 1.2% ethanol and 67% methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. Methanol is not an acceptable ingredient for hand sanitizers and should not be used due to its toxic effects. Skin exposure to methanol can cause dermatitis, as well as transdermal absorption with systemic toxicity. Substantial methanol exposure can result in nausea, vomiting, headache, blurred vision, permanent blindness, seizures, coma, permanent damage to the nervous system, or death. Although all persons using these products on their hands are at risk, young children who accidentally ingest these products, and adolescents and adults who drink these products as an alcohol (ethanol) substitute, are most at risk for methanol poisoning. On July 30, 2020, FDA held a teleconference with you and PCGI Wholesale, your registered U.S. agent. We recommended you consider removing all of your firm's hand sanitizer drug products currently in distribution to the U.S. market. On July 30, 2020, FDA notified the public of methanol contamination of your hand sanitizer at the following website: <https://www.fda.gov/drugs/drug-safety-and-availability/fda-updates-hand-sanitizers-consumers-should-not-use> On August 6, 2020, you issued a voluntary nationwide recall of GELBACT ANTIBACTERIAL HAND GEL due to potential presence of undeclared methanol (wood alcohol) as noted on the following FDA website: <https://www.fda.gov/safety/recalls-market-withdrawals-safety-alerts/incredible-products-sa-de-cv-issues-voluntary-nationwide-recall-gelbac-t-antibacterial-handgel> In response to this letter, provide the following:

- A detailed investigation into how the drug product described above, which was labeled as containing ethanol, was substituted in part or in whole with methanol.
- A list of all raw materials used to manufacture all of your hand sanitizer drug products, including the suppliers' names, addresses, and contact information.
- A list of all batches of any hand sanitizer drug products shipped to the United States by your firm, and a full reconciliation of all material you distributed.
- Copies of the complete batch records for all batches distributed to the U.S.
- During a teleconference with the FDA on July 30, 2020, you stated that you rely on the certificate of analysis (COA) of your incoming alcohol raw materials. Discuss the corrective action to remediate this issue in your response. The substitution and contamination with methanol in a drug product labeled as manufactured in your facility demonstrates that the quality assurance within your facility is not functioning in accordance with CGMP requirements under section 501(a)(2)(B) of the FD&C Act.

1 Unapproved New Drug and Misbranding Violation GELBACT ANTIBACTERIAL HAND GEL is a "drug" as defined by section 201(g)(1)(B) of the FD&C Act, 21 U.S.C. 321(g)(1)(B), because it is intended for use in the diagnosis, cure, mitigation, treatment, or prevention of disease, and/or under section 201(g)(1)(C) of the FD&C Act, 21 U.S.C. 321(g)(1)(C), because it is intended to affect the structure or any function of the body. Specifically, this product is intended as a consumer antiseptic hand rub. Examples of claims observed on the GELBACT ANTIBACTERIAL HAND GEL product label that provide evidence of the intended use (as defined in 21 CFR 201.128) of the product include, but may not be limited to, the following: "Drug Facts...Purpose: Antiseptic...USES...Hand sanitizer to help decrease bacteria on the skin." "Directions...Apply the gel on the hands, rub and distribute evenly. Let dry at room temperature." This topical antiseptic product is a "new drug" within the meaning of section 201(p) of the FD&C Act, 21 U.S.C. 321(p), because it is not generally recognized as safe and effective (GRASE) for use under the conditions prescribed, recommended, or suggested in its labeling. New drugs may not be introduced or delivered for introduction into interstate commerce without prior approval from FDA, as described in section 505(a) of the FD&C Act, 21 U.S.C. 355(a), unless they are lawfully marketed under section 505G of the FD&C

Act (which is not the case for this product, as further described below) or other exceptions not applicable here. No FDA-approved application pursuant to section 505 of the FD&C Act, 21 U.S.C. 355, is in effect for this drug product, nor are we aware of any adequate and well-controlled clinical studies in the published literature that support a determination that your GELBACT ANTIBACTERIAL HAND GEL drug product is GRASE for use under the conditions suggested, recommended, or prescribed in its labeling. Accordingly, this product is an unapproved new drug marketed in violation of sections 505(a) and 301(d) of the FD&C Act, 21 U.S.C. 355(a) and 331(d). We note that over-the-counter (OTC) topical antiseptic products had been the subject of rulemaking under the Agency's OTC Drug Review. In particular, such products were addressed in a tentative final monograph (TFM) entitled "Topical Antimicrobial Drug Products for Over-the-Counter Human Use; Tentative Final Monograph for Health-Care Antiseptic Drug Products," Proposed Rule, 59 FR 31402 (June 17, 1994) (1994 TFM), as further amended by the "Safety and Effectiveness of Consumer Antiseptics; Topical Antimicrobial Drug Products for Over-the-Counter Human Use; Proposed Amendment of the Tentative Final Monograph; Reopening of Administrative Record," Proposed Rule, 81 FR 42912 (June 30, 2016) (Consumer Antiseptic Rubs Proposed Rule). Over the course of these rulemakings, three active ingredients (benzalkonium chloride, ethyl alcohol (ethanol), and isopropyl alcohol) were classified as Category III for use as consumer antiseptic rub products, meaning that additional safety and effectiveness data are needed to support a determination that a drug product containing one of these active ingredients would be GRASE for use as a consumer antiseptic rub. Section 505G of the FD&C Act addresses nonprescription drugs marketed without an approved application. Under section 505G(a)(3) of the FD&C Act, drugs that were classified as Category III for safety or effectiveness in a TFM that is the most recently applicable proposal or determination for such drug issued under 21 CFR Part 330 – and that were not classified as Category II for safety or effectiveness – are not required to have an approved application under section 505 in order to be marketed, as long as they are in conformity with the relevant conditions of use outlined in the applicable TFM, including the active ingredient, and comply with all other applicable requirements. However, GELBACT ANTIBACTERIAL HAND GEL does not conform to the 1994 TFM, as further amended by the 2016 Consumer Antiseptic Rubs Proposed Rule, nor any other TFM, proposed rule, or final rule, and does not meet the conditions under section 505G(a)(3) of the FD&C Act, for marketing without an approved application under section 505. According to the product label, GELBACT ANTIBACTERIAL HAND GEL purportedly contains the active ingredient ethyl alcohol 80%. However, as previously discussed, FDA laboratory analyses of a batch of this product detained at the border demonstrated that GELBACT ANTIBACTERIAL HAND GEL contains ethanol in a concentration that is less than the 80% stated on its product label and less than the amount of ethanol described in the 1994 TFM. 2 Such a product does not conform with the TFM or the applicable requirements, nor is it consistent with the formulations described in the guidances setting forth FDA's temporary policies for hand sanitizers during the COVID-19 public health emergency. 3 FDA laboratory analyses also demonstrated that a batch of GELBACT ANTIBACTERIAL HAND GEL contains significant concentrations of the undeclared ingredient methyl alcohol (methanol). Use of methanol as an active ingredient is not in conformance with the 1994 TFM, nor is methanol included in the formulations described in FDA's Temporary Policy for Preparation of Certain Alcohol-Based Hand Sanitizer Products During the Public Health Emergency (COVID-19) Guidance for Industry. Furthermore, methanol is not acceptable as an inactive ingredient in hand sanitizers. As previously discussed, methanol has significant and sometimes fatal toxic effects and, therefore, does not meet the requirements under 21 CFR 330.1(e) that a product's inactive ingredients be safe and suitable. 4 Additionally, this methanol-containing drug product, GELBACT ANTIBACTERIAL HAND GEL,

is misbranded under sections 502(j), (a), (e), (x), and (ee) of the FD&C Act, 21 U.S.C. 352(j), (a), (e), (x), and (ee). It is misbranded under section 502(j) of the FD&C Act, 21 U.S.C. 352(j), because it is dangerous to health when used according to its labeling as a hand sanitizer. As previously stated, skin exposure to methanol could lead to systemic absorption, and substantial methanol exposure can potentially result in, among other things, blindness, permanent nervous system damage, and even death. This hand sanitizer is misbranded under section 502(a) of the FD&C Act, 21 U.S.C. 352(a), because its labeling is false or misleading. As noted above, GELBACT ANTIBACTERIAL HAND GEL is labeled to contain ethyl alcohol 80%. However, FDA laboratory analysis of a batch of this product demonstrate that the product contains a concentration of ethyl alcohol (ethanol) that is less than what is stated on the product label and contains a significant concentration of methyl alcohol (methanol), an ingredient that is not declared on the product label. Section 201(n) of the FD&C Act, 21 U.S.C. 321(n), provides that "in determining whether the labeling or advertising is misleading there shall be taken into account . . . not only representations made or suggested . . . but also the extent to which the labeling or advertising fails to reveal facts material in the light of such representations or material with respect to consequences which may result . . ." Thus, the misleading representation of the concentration of the active ingredient ethyl alcohol (ethanol), and the failure of the product label to disclose the presence of the methyl alcohol (methanol) in the product, causes this product to be misbranded under section 502(a) of the FD&C Act, 21 U.S.C. 352(a). The failure of this product to list methyl alcohol (methanol) as an ingredient on its label causes also causes it to be misbranded under section 502(e)(1)(A) of the FD&C Act, 21 U.S.C. 352(e)(1)(A). Furthermore, GELBACT ANTIBACTERIAL HAND GEL is misbranded under section 502(x) of the FD&C Act, 21 U.S.C. 352(x), because the product labels fails to disclose a domestic address or domestic telephone number through which the responsible person may receive a report of a serious adverse event with such drug. Lastly, this product is misbranded under section 502(ee) of the FD&C Act, 21 U.S.C. 352(ee) because GELBACT ANTIBACTERIAL HAND GEL is a nonprescription drug subject to section 505G of the FD&C Act, 21 U.S.C. 355h, but does not comply with the requirements for marketing under that section and is not the subject of an application approved under section 505 of the FD&C Act, 21 U.S.C. 355. The introduction or delivery for introduction of a misbranded drug into interstate commerce is prohibited under section 301(a) of the FD&C Act, 21 U.S.C. 331(a). CGMP Consultant Recommended Based upon the nature of the violations we identified at your firm, we strongly recommend engaging a consultant qualified, as set forth in 21 CFR 211.34, to evaluate your operations and to assist your firm in meeting CGMP requirements if your firm intends to resume manufacturing drugs for the U.S. market. We also recommend that the qualified consultant perform a comprehensive audit of your entire operation for CGMP compliance and that the consultant evaluates the completion and efficacy of your corrective actions and preventive actions before you pursue resolution of your firm's compliance status with FDA. Your use of a consultant does not relieve your firm's obligation to comply with CGMP. Your firm's executive management remains responsible for resolving all deficiencies and systemic flaws to ensure ongoing CGMP compliance. Conclusion The violations cited in this letter are not intended to be an all-inclusive list of violations associated with your drug products. You are responsible for investigating and determining the causes of these violations and for preventing their recurrence or the occurrence of other violations. Note that FDA placed all drugs and drug products manufactured by your firm on Import Alert 66-78 on August 13, 2020, as the methods used in and controls used for the manufacture, processing, packing, or holding of these products do not appear to conform to current good manufacturing practices within the meaning of section 501(a)(2)(B) of the FD&C Act. Drugs and drug products that appear to be adulterated or misbranded may be detained or refused admission without physical

examination. All drugs and drug products manufactured by your firm may remain listed on this import alert until there is evidence establishing that the conditions that gave rise to the appearance of a violation have been resolved, and the Agency has confidence that future entries will be in compliance with the FD&C Act. This may include an inspection prior to the Agency considering the appearance of adulteration to be addressed. If you decide you want to manufacture drugs for the United States in the future, request a Regulatory Meeting to discuss corrective actions. This letter notifies you of our findings and provides you an opportunity to address the above deficiencies. After you receive this letter, respond to this office in writing within 15 working days. Specify what you have done to address any violations and to prevent their recurrence. In response to this letter, you may provide additional information for our consideration as we continue to assess your activities and practices. If you cannot do so within 15 working days, state your reasons for delay and your schedule for completion. Send your electronic reply to CDER-OC-OMQ-Communications@fda.hhs.gov. Please Identify your response with FEI 3011274338 and ATTN: Daniel W. Brisker. Sincerely, /S/ Francis Godwin Director Office of Manufacturing Quality Office of Compliance Center for Drug Evaluation and Research CC: Registered US Agent Gerardo Acevedo PCGI Wholesale pacific_coastgbl@hotmail.com

1 Due to an increased demand for alcohol-based hand sanitizers during the COVID-19 pandemic, FDA published the Guidance for Industry: Temporary Policy for Preparation of Certain Alcohol-Based Hand Sanitizer Products During the Public Health Emergency (COVID-19) on March 19, 2020, and subsequently updated the guidance several times, most recently on February 10, 2021. This guidance communicates the Agency's temporary policy that we do not intend to take action against firms for CGMP violations under section 501(a)(2)(B) of the FD&C Act if such firms prepare alcohol-based hand sanitizers for consumer use (or for use as a health care personnel hand rub) during the public health emergency, provided certain circumstances described in the guidance are present. These circumstances include preparation of hand sanitizer products using only the ingredients and formulas set forth in the guidance. In addition to the violative sample results detailed above that demonstrate the substitution of the hand sanitizer product manufactured at your facility, a review of the purported formulations on the drug product's labeling further indicates that such a product is not prepared consistent with FDA's temporary policy set forth in the guidance. Therefore, this product does not fall within the Agency's temporary policy not to take action against firms manufacturing hand sanitizer products for violations of section 501(a)(2)(B) of the FD&C Act. 2 The 1994 TFM, which does not distinguish between antiseptic hand washes and rubs, proposed for antiseptic handwashes and healthcare personnel handwashes an alcohol concentration of "60 to 95 percent by volume in an aqueous solution denatured according to Bureau of Alcohol, Tobacco and Firearms regulations in 27 CFR part 20." 59 FR at 31442. Later amendments to the 1994 TFM distinguished between antiseptic hand washes and rubs, and between consumer and healthcare personnel antiseptics, but did not change the alcohol concentration originally proposed in 1994. 3 See, e.g., Temporary Policy for Preparation of Certain Alcohol-Based Hand Sanitizer Products During the Public Health Emergency (COVID-19) . Because GELBACT ANTIBACTERIAL HAND GEL is not consistent with the formulations in these guidances, it does not fall within any temporary Agency policy not to take action against firms manufacturing hand sanitizer products for violations of section 505 of the FD&C Act. 4 An inactive ingredient used in OTC monograph drugs must meet the requirements of 21 CFR 330.1(e), which requires, among other things, that inactive ingredients must be safe in the amount administered. Content current as of: 06/01/2021 Regulated Product(s) Drugs More Warning Letters Warning Letters About Warning and Close-Out Letters

Click here to see the [Original Article](#)

Table 144: Places for report 1083350

Region Name	Country	Location	Latitude	Longitude
Americas	Mexico	Guadalajara	20.66682	-103.39182
Americas	United States	United States	39.76	-98.5

Table 145: Drugs for report 1083350

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01
	Antiseptics	throat preparations	R02AA

Notes: [...] GELBACT ANTIBACTERIAL HAND GEL, labeled as manufactured at your facility, is labeled to contain 80% volume/volume (v/v) of the active ingredient alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that this product contained an average of 1.2% ethanol and 67% methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. [...]

Annex C

C.6. Ventilation & Oxygenation equipment and consumables

Medicine Quality Monitoring Globe

August 10, 2021



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Filters applied for this report

Search ("Continuous Positive Airway Pressure" OR "Oxygen" OR "nasal catheter " OR "CPAP" OR "positive end-expiratory pressure" OR "PEEP" OR "positive end expiratory pressure" OR "bag-valve-mask" OR "self-inflating bag" OR "oropharyngeal catheter" OR "BMV" OR "nebulizer" OR "tracheostomy tube" OR "tracheal tube" OR "ambu bag" OR "ventilator" OR "bag valve" OR "nasal cannula" OR "manual resuscitator" OR "HEPA filter" OR "endotracheal tube" OR "air purifier" OR "pulse oximeter" OR "intubation kit")

Start date	2021-04-01
End date	2021-05-31
Language	en
Report type	incident
Curation status	validated
Number of Reports	16

1 Man Arrested For Allegedly Stealing 200 Ventilators From MIA Lot

Publication date	2021-05-30
Create date	2021-06-02
Score	10.77
Report id	1080975
Category	Medical device used for cure/mitigation/treatment
Quality	Diverted/Unregistered
Source	Airport
Curation	Manually curated
Incident or General	Incident

Snippet: Man Arrested For Allegedly Stealing 200 Ventilators From MIA Lot Yahoo News

Click here to see the [Original Article](#)

Table 1: Places for report 1080975

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Miami International Airport	25.79343	-80.29005
Americas	United States	Miami	25.77427	-80.19366

Notes: The Justice Department says 42-year-old Yoelvis Denis Hernandez along with another man stole a tractor trailer carrying 192 ventilators from a lot at Miami International Airport last August. [...]

2 Delhi: Fire extinguishers painted and sold as oxygen cylinders, 3 arrested

Publication date	2021-05-06
Create date	2021-07-28
Score	9.28
Report id	1050037
Category	Medical device used for cure/mitigation/treatment, Other
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Delhi: Fire extinguishers painted and sold as oxygen cylinders, 3 arrested India Today

Click here to see the [Original Article](#)

Table 2: Places for report 1050037

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Delhi	28.65195	77.23149

Table 3: Drugs for report 1050037

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Table 4: Other Stories

ID	Title	Link
1071906	3 people in India sold fire extinguishers as oxygen cylinders: Police	Link
1062744	3 people in India repainted fire extinguishers to look like oxygen cylinders and sold them to families of COVID-19 patients, police say	Link
1050275	Scammers Sell Fire Extinguishers as Oxygen Cylinders to Dying COVID Patients in India	Link

Table 4: Other Stories(continued)

ID	Title	Link
1081516	3 people in India repainted fire extinguishers to look like oxygen cylinders and sold them to families of COVI	Link
1062829	3 people in India repainted fire extinguishers to look like oxygen cylinders, sold them to Covid patients	Link
1049819	Fraudsters fleece patients by selling CO2 refilled cylinders and fire extinguishers instead of O2 cylinders	Link

Notes: The Delhi Police has arrested three persons for selling fire extinguishers as oxygen cylinders by remodelling the original discarded containers. The accused sold these fake oxygen cylinders to attendants of Covid-19 patients who are gasping for breath. [...] Police seized over 530 fire extinguisher iron gas cylinders and more than 25 oxygen gas cylinder nozzles during their raid. They also recovered electric grinders used for removing paint of the cylinders, spray-paint cans, and Rs 49,500 cash among other things.

The police said the fake oxygen cylinder racket was busted following a complaint by an NGO called, the Radha Vallab Sewa Sangh.

Mukesh Khanna, who runs the NGO that is serving free oxygen cylinders to Covid-19 patients, had approached the police with a complaint at the Farsh Bazar police station. He said that oxygen cylinder distributor named the Varsha Engineering located at Apni Colony, Alipur sold him oxygen cylinders of 4.5 litres at Rs 5,500.

But when he asked for more cylinders, the distributor increased the price and demanded Rs 13,000 for one 4.5-litre cylinder. The distributor justified increased price of oxygen cylinders saying he had to pay additional tax to the government. [...] The Delhi Police formed a team to conduct the raid. When the police team reached the location, they found the accused painting some gas cylinders to pass them off as oxygen cylinders.

"During enquiry, it was found that distributor Ravi Sharma was removing red paint of fire cylinders which were used for filling of CO2 and was converting them into oxygen cylinders by painting them black with the help of Abdul and Shah," Deputy Commissioner of Police (Shahdara) R Sathiyasundaram said. [...] The accused used to collect the empty or expired fire extinguishers and sell it either as scrap or refill the CO2 for firefighting, the police said. However, seeing oxygen supply crisis in Delhi, the accused planned to make profit by cheating people looking for oxygen cylinders. They remove the red colour of the original cylinder, painted it with black before fix nozzle to pass it off as an oxygen cylinder, the police said.

3 10 arrested for Oxygen black marketing in Lucknow

Publication date	2021-05-05
Create date	2021-05-10
Score	9.04
Report id	1047953
Category	Medical device used for cure/mitigation/treatment
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 10 arrested for Oxygen black marketing in Lucknow Assam Tribune

Click here to see the [Original Article](#)

Table 5: Places for report 1047953

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Lucknow	26.83928	80.92313

Table 6: Drugs for report 1047953

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Table 7: Other Stories

ID	Title	Link
1048378	10 arrested for oxygen black marketing in Lucknow	Link

Notes: The Lucknow police have arrested 10 persons involved in black marketing of oxygen cylinders. The police have recovered 225 oxygen cylinders and cash from them. According to an official statement, the police arrested two persons, Karan Bharadwaj and Nekram, from near Jankipuram crossing and seized a van with 115 oxygen cylinders on Tuesday evening. [...]

4 45 held for black marketing of oxygen, remdesivir across Haryana

Publication date	2021-05-05
Create date	2021-05-10
Score	8.89
Report id	1048893
Category	Medical device used for cure/mitigation/treatment, Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 45 held for black marketing of oxygen, remdesivir across Haryana Hindustan Times

Click here to see the [Original Article](#)

Table 8: Places for report 1048893

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Pānīpat	29.38747	76.96825
Southern Asia	India	State of Haryāna	29.25	76.33333

Table 9: Drugs for report 1048893

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Table 10: Other Stories

ID	Title	Link
1049630	Supplier of ‘fake’ Remdesivir held	Link
1051557	NSA Slapped Against 21 for Black-marketing of Remdesivir, Oxygen in Madhya Pradesh	Link

Notes: Haryana police have registered 21 first information reports (FIRs) in connection with black marketing of oxygen, oxygen cylinders, and remdesivir injections across Haryana in the

past two weeks, leading to the arrest of 45 persons and recovery of 77 oxygen cylinders and 101 vials of remdesivir. [...] Police said the accused has admitted that he had sold around 800 injections at 12,000 per injection to Pradeep, who sold it in black at around 30,000 per injection. [...]

5 Two arrested in Lucknow for black marketing of oxygen cylinders

Publication date	2021-05-19
Create date	2021-05-20
Score	8.89
Report id	1066368
Category	Medical device used for cure/mitigation/treatment
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Two arrested in Lucknow for black marketing of oxygen cylinders Outlook India

Click here to see the [Original Article](#)

Table 11: Places for report 1066368

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Lucknow	26.83928	80.92313

Table 12: Drugs for report 1066368

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Table 13: Other Stories

ID	Title	Link
1067467	Lucknow: Two held for blackmarketing of oxygen cylinders	Link

Notes: The Uttar Pradesh Special Task Force (STF) on Wednesday arrested two people for alleged black marketing of oxygen cylinders, officials said here. Ravi Yadav and Vinay Yadav were arrested from Sultanpur village in the Jankipuram area here with 40 oxygen cylinders and a vehicle used to transport them, a statement issued by the STF said.

The arrests were made on a tip-off that the duo was getting oxygen cylinders filled in Barabanki to sell them at high prices in Lucknow, it said.

6 Kalra's oxygen concentrators were substandard, says report

Publication date	2021-05-13
Create date	2021-05-14
Score	8.86
Report id	1059143
Category	Other
Quality	Substandard
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Kalra's oxygen concentrators were substandard, says report The Hindu

Click here to see the [Original Article](#)

Table 14: Places for report 1059143

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Delhi	28.65195	77.23149
Southern Asia	India	Chhatarpur	28.49849	77.18254

Table 15: Other Stories

ID	Title	Link
1079843	Navneet Kalra gets bail in oxygen concentrator black marketing case	Link
1060459	Kalra's oxygen concentrators were substandard, says report	Link
1080243	If my oxygen concentrators are sub-standard, why give them to COVID centres: Navneet Kalra to Delhi court during bail hearing - Bar & Bench	Link
1079737	'Navneet Kalra was selling fake oxygen concentrators at high prices,': Delhi police said in Court	Link
1081083	Meet AAP's 'Delhi ke Nirmata': Who is Navneet Kalra, the businessman on the run after oxygen hoarding scandal was busted	Link

Notes: [...] A senior police officer said that they had seized a total 524 oxygen concentrators during the raids at Mr. Kalra's restaurants and Matrix Cellular's warehouse in Chhattarpur.

"The Delhi police had sent two different models of the seized concentrators for testing at Shriram Institute for Industrial Research. The report found that an average output in terms of oxygen purity is found to be 32.7% and 38.2% respectively in a 9-litre and 7-litre model. The testing was carried out in the laboratory room air and the oxygen concentration was found to be merely 20.8%," said the officer. [...]

7 India's COVID crisis spawns black market for oxygen, drugs

Publication date	2021-05-11
Create date	2021-06-14
Score	8.80
Report id	1092783
Category	Other
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: India's COVID crisis spawns black market for oxygen, drugs DW (English)

Click here to see the [Original Article](#)

Table 16: Places for report 1092783

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	New Delhi	28.63576	77.22445

Table 17: Drugs for report 1092783

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Notes: [...] Despite India's status as the "pharmacy of the world," the biggest producer of generic drugs has been unable to meet the demand for antiviral medications such as remdesivir and favipiravir.

Given that demand has been outstripping supply in the country, police and other investigating agencies have had to crack down on black marketeers.

In the capital, New Delhi, which has been confronting a massive shortage of medical oxygen, police raided a building in a posh neighborhood and seized over 400 oxygen concentrators last week. [...]

8 Gurgaon: 4 arrested for black marketing of oxygen cylinders

Publication date	2021-04-23
Create date	2021-04-29
Score	8.68
Report id	1034035
Category	Medical device used for cure/mitigation/treatment
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Gurgaon: 4 arrested for black marketing of oxygen cylinders The Indian Express

Click here to see the [Original Article](#)

Table 18: Places for report 1034035

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Gurgaon	28.4601	77.02635

Table 19: Drugs for report 1034035

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Notes: Gurgaon Police, on Friday, arrested four people for selling oxygen cylinders in the black market even as several private hospitals in the district report a shortage of oxygen. According to officials, the four accused were selling cylinders worth Rs 12,000 to Rs 14,000 at a cost of Rs 90,000. They were arrested by a joint team of the Chief Minister's Flying Squad, Gurgaon's Police's Sector 40 Crime Branch, and the Drugs Controller on the basis of a tip off. [...]

9 Hyderabad: 3 Held For Black-marketing Of Oxygen Cylinders

Publication date	2021-04-27
Create date	2021-05-05
Score	8.60
Report id	1038476
Category	Medical device used for cure/mitigation/treatment
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Hyderabad: 3 Held For Black-marketing Of Oxygen Cylinders Sakshi Post

Click here to see the [Original Article](#)

Table 20: Places for report 1038476

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Hyderabad	17.38405	78.45636

Table 21: Drugs for report 1038476

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Table 22: Other Stories

ID	Title	Link
1042216	Delhi Covid lockdown news live: Cops bust fake Remdesivir manufacturing factory	Link

Notes: The Rachakonda Special Operations Team (SOT) arrested three people for illegally transporting and black marketing of Oxygen cylinders in the city, under the Malkakgiri police station limits on Tuesday. [...]

10 UP: 2 held for black marketing oxygen cylinder, 1 for selling fake flow meter

Publication date	2021-04-29
Create date	2021-05-05
Score	8.33
Report id	1041792
Category	Medical device used for cure/mitigation/treatment
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: UP: 2 held for black marketing oxygen cylinder, 1 for selling fake flow meter Devdiscourse

Click here to see the [Original Article](#)

Table 23: Places for report 1041792

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Greater Noida	28.49615	77.53601
Southern Asia	India	Noida	28.58	77.33

Table 24: Drugs for report 1041792

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Table 25: Other Stories

ID	Title	Link
1042171	Sold O2 cylinders in black market, 2 held	Link

Notes: Amid COVID-19 crisis, two men were held for allegedly black marketing oxygen cylinders in Noida, while one person was held for selling fake flow meters in Greater Noida, police said on Thursday. [...]

11 Two in Delhi arrested for selling fire extinguishers as oxygen cylinders

Publication date	2021-04-30
Create date	2021-07-28
Score	8.32
Report id	1080042
Category	Medical device used for cure/mitigation/treatment, Other
Quality	Falsified
Source	Street vendors
Curation	Manually curated
Incident or General	Incident

Snippet: Two in Delhi arrested for selling fire extinguishers as oxygen cylinders Hindustan Times

Click here to see the [Original Article](#)

Table 26: Places for report 1080042

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Delhi	28.65195	77.23149

Table 27: Drugs for report 1080042

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Notes: Two men in west Delhi's Dwarka were arrested for passing off fire extinguishers as oxygen cylinders and selling them to people, whose relatives have contracted Covid-19, said Delhi Police on Thursday. In one of the cheating cases, the patient for whom the equipment was procured died of Covid-19, read the complaint lodged by the victim's acquaintance. Police could not immediately ascertain if the alleged cheating, or a possible delay in providing relief to the patient, had any direct bearing on the death. However, a relative of Narender, the 32-year-old patient who died, alleged that the delay in getting an oxygen cylinder led to his demise. "Had we not been cheated, my brother-in-law could have survived," said the relative. Police said suspects Ashutosh Chauhan and Ayush were rendered jobless during the pandemic and passed off fire extinguishers as oxygen cylinders to make a quick buck. "They sold one such

empty cylinder for 10,000,” said Santosh Meena, deputy commissioner of police (Dwarka). [...] A red coloured cylinder was handed over to Arora in lieu of a payment of 10,000. The same night, Arora handed over the cylinder to the patient’s family in Noida.

The cheating came to the fore when the patient’s family went to get the cylinder filled on Tuesday morning and realized that it was a fire extinguisher. When Arora asked the suspects to return the money, they refused.

12 Exclusive: After hiking prices, China now sending sub-standard oxygen concentrators to India

Publication date	2021-05-13
Create date	2021-05-18
Score	7.57
Report id	1060109
Category	Other
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Exclusive: After hiking prices, China now sending sub-standard oxygen concentrators to India India Today

Click here to see the [Original Article](#)

Table 28: Places for report 1060109

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	China	People's Republic of China	35	105
Southern Asia	India	Republic of India	22	79

Table 29: Other Stories

ID	Title	Link
1067162	'China' is not sending sub-standard oxygen concentrators to India	Link
1087660	China sending sub-standard oxygen concentrators to India EXCLUSIVE	Link

Notes: It is a matter of life and death, but China is choosing to make profits at the cost of people's lives. Not only have Chinese companies indulged in surge pricing with an increase in demand, they are now sending sub-standard Covid-19 related critical equipment to India. [...] "But, we are buying way more expensive products for half its quality and the life span will be only a few hundred hours as opposed to a few thousand hours that it originally is meant to be," said the buyer.

He explained, "As the demand was not forecast, the main components like medical compressors, molecular sieve, PCBA, outer shell, compressor cooling coils, etc, went out of stock. The assembling factories then started using non-medical grade components in the oxygen generators [...]"

13 Gujarat fake remdesivir injections ceased amidst a shortage of supplies

Publication date	2021-05-03
Create date	2021-05-07
Score	7.01
Report id	1045885
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Gujarat fake remdesivir injections ceased amidst a shortage of supplies Times Now

Click here to see the [Original Article](#)

Table 30: Places for report 1045885

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	State of Gujarāt	23	71.75

Table 31: Other Stories

ID	Title	Link
1061589	2,73,000 doses of fake Remdesivir injections seized in Gujarat	Link

Notes: Amidst a shortage of covid supplies and oxygen, 2,73,000 fake remdesvir injections were ceased in Gujarat. The nation is grappling with a shortage of oxygen and injections, and this report has shocked the country. More details are yet to be uncovered by the state authorities, strict action will be taken against those involved in the racket. Last month, a similar misplacement of the vaccine stock was reported by the Maharashtra government. The CBI and state officials looked into the same to trace the package. Similar action will be taken here, with severe punishment for the people involved.

14 Jabalpur Hospital chief, VHP leader booked for black marketing fake Remdesivir injections

Publication date	2021-05-11
Create date	2021-06-14
Score	6.83
Report id	1092131
Category	Other, Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Jabalpur Hospital chief, VHP leader booked for black marketing fake Remdesivir injections APN Live

Click here to see the [Original Article](#)

Table 32: Places for report 1092131

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Jabalpur	23.16697	79.95006

Table 33: Drugs for report 1092131

Medicine Name	Medicine Class	Action	ATC Code
oxygen	Medical gases	all other therapeutic products	V03AN01

Notes: [...] The incident came to light after a team of Gujarat police busted a fake Remdesivir manufacturing unit and arrested one Sapan Jain from Jabalpur on May 7. In this process, the police have estimated that over 500 fake Remdesivir injections from Indore were sold to patients at his hospital for Rs 35000-40000. [...] The police have also caught 3-4 people from Jabalpur who were selling oxygen cylinders Rs 20,000 for each. [...]

15 Indore: Youth Congress coordinator of COVID SOS campaign arrested in connection with the fake Remdesivir nexus case

Publication date	2021-05-15
Create date	2021-05-18
Score	4.88
Report id	1061323
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Indore: Youth Congress coordinator of COVID SOS campaign arrested in connection with the fake Remdesivir nexus case OpIndia

Click here to see the [Original Article](#)

Table 34: Places for report 1061323

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Indore	22.71792	75.8333

Table 35: Other Stories

ID	Title	Link
1061490	Hardeep Singh Puri targets Congress after Youth neta arrested in fake Remdesivir case	Link

Notes: Days after a Congress leader was arrested from Faridabad for his alleged involvement in black marketing of oxygen cylinders, another Congress leader has been arrested in Indore for the sale of fake Remdesivir injections, the key antiviral medicinal drug that is increasingly being used to treat the complications arising out of COVID-19. Indore police on Thursday arrested Congress leader Prashant Parashar, along with homoeopathic doctor Sarvar Khan, and two others, taking the tally of arrested accused in the fake Remdesivir nexus case to 11. [...] So far, the officials have seized 437 of the 700 fake Remdesivir injections that were smuggled to Indore from Gujarat based on call recordings and other interrogations of the arrested accused in the case. [...]

16 Bangalore: After Remdesivir and O2 cylinders, now cyber criminals cash in on Black Fungus medication

Publication date	2021-05-20
Create date	2021-05-31
Score	4.70
Report id	1067864
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Bangalore: After Remdesivir and O2 cylinders, now cyber criminals cash in on Black Fungus medication The Indian Express

Click here to see the [Original Article](#)

Table 36: Places for report 1067864

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Bengaluru	12.97194	77.59369

Notes: [...]Meanwhile the Karnataka high court expressed shock over ‘playing with the lives of Covid-19 patients’ while denying bail to a man accused of illegal sale of Remdesivir. [...] Pasha, was arrested by the Bengaluru police after he supplied five vials of the injection at Rs 7,000 per vial. ”How can one commit such offences in these uncertain times and play with the lives of Covid-19 patients,” the court observed. [...]