

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 1, December 2023

A Review on Online Pharmacy

Vishal Dnyaneshwar Kalatre, Miss. Pooja Bhonde, Dr Gajanan Sanap Department Pharmaceutical Technology Late Bhagirathi Yashwantrao Pathrikar College of Pharmacy, Pathri, Maharashtra, India

Abstract: The Internet has revolutionized the way in which ordinary people conduct their everyday business. People can bank pays bills, manage investments, order various products, and gain information on an bottomless number of motifs online. It isn't surprising that such an invention would give a vehicle for the minister to educate them and guide the direction of their health. Nor is it surprising that the healthcare assiduity would seize this occasion to contemporize a commonplace function — tradition division. numerous internet apothecaries offer overnight shipping, allowing guests to avoid the detention of regular correspondence. Internet apothecaries can offer sequestration that's frequently lacking in a traditional drugstore. still, there's need to consider critically the ethical principles in the use of cyber drug. The development of online apothecaries has urged nonsupervisory and covering conduct at the civil, state, and professional association situations. The trade of online specifics in the transnational system is potentially dangerous and requires transnational regulation. Then's an overview of online apothecaries, their implicit benefits, the associations involved in regulating these spots, and the major difficulties girding online apothecaries. The ideal is to identify the position of web operation security vulnerabilities in online apothecaries and the common types of excrescencies, therefore expanding on previous studies. Technical, directorial and legal recommendations on how to alleviate security issues are presented. system. The proposed four- step system first consists of choosing an online testing tool. The coming way involve choosing a list of 60 online drugstore spots to test, and also running the software analysis to collect a list of excrescencies. Eventually, an in- depth analysis is performed on the types of web operation vulnerabilities. Results. The maturity of spots had serious vulnerabilities, with the maturity of excrescencies being crosssite scripting or old performances of software that have not been streamlined. Conclusions. A system is proposed for the securing of web apothecary spots, using a multiphase approach of technical and managerial ways together with a thorough understanding of public legal conditions for securing systems (1) The COVID- 19 epidemic demanded academic institutions to snappily transition to online knowledge and make changes to assessment procedures. This study examines how a academy of drugstore creatively approached the challenge of online assessment while maintaining the norms necessary to prepare practiceready pupil druggists. To conduct traditional examinations, preceptors stationed two different types of styles using testing software a videotape conferencing technology approach which mimicked pre-pandemic, on- lot proctored examinations; or open- book, internet access- enabled examinations that assured academic integrity and rigor through colorful testing strategies. To assess scholars' clinical chops, faculty used a combination of ways similar as physical to understand the pupil experience with these assessments, scholars were surveyed using a 12- item questionnaire. Overall, online videotape proctoring maintained thickness in test structure and administration, but needed expansive instruction for both scholars and proctors. scholars preferred unproctored open- book, internet access- enabled, standard time examinations versus proctored, unrestricted- book, internet- access impaired, extended time examinations. Changes to testing procedures, whether with proctored or unproctored styles, appeared to increase pupil stress (2).

Keywords: solid, liquid, gases, route of administration, dosage form

I. INTRODUCTION

A number of factors have contributed to the increase in online healthcare systems, including web- grounded apothecaries. The cost savings and ease of use of these spots have created a way for consumers to gain knowledge about their health enterprises as well as efficiently purchase less costly products compared to some traditional

Copyright to IJARSCT www.ijarsct.co.in

DOI: 10.48175/IJARSCT-13904





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 1, December 2023

apothecaries .Indeed though an adding number of consumers are using these spots, these consumers may be under the supposition that the private datathey give to these enterprises is secure, and that these online enterprises take care with furnishing them with a secure purchasing terrain. They may also assume that any public data or security protection law extends to all transnational spots. Although some countries have legislated laws to cover consumer data and accreditation secure spots, consumers should realize that legal protection of their data isn't comprehensive among all spots due to the myriad of laws (or lack of) across countries and original realities (3) Internet web operations are largely susceptible to colourful types of attacks, and further attacks do every time with vulnerable spots (4). Some of the most common vulnerabilities reported by assiduity groups include cross-site scripting, injection and buffer overflow excrescencies (5). Several studies of web vulnerabilities have preliminarily been done, and will be bandied in section2.3 of this paper. still, these studies concentrated only on some aspects of web vulnerabilities, similar as Secure Sockets Layer (SSL) encryption, e-mail security and scripting. This exploration study expands the literature by reviewing a more robust list of vulnerabilities including cross-site scripting, structure vulnerabilities, provisory issues and web hand attacks. This study analyses 60 online apothecaries to determine which types of vulnerabilities were the most common and the position of security protection that consumers can anticipate from this assiduity, important like the licit Internet frugality, advertising is a major motorist for the "underground" felonious frugality as well. For all their variety, spam, hunt- machine abuse, forum spam and social spam — as well as the botnets, fast- flux networks and other specialized structure that enable these conditioning are all simply low- cost advertising platforms that monetize idle consumer demand. Accordingly, an arising exploration docket has developed around understanding the profitable structure of these businesses, both to understand the compass and motorists for the problem (7), as well as to help prioritize interventions (10,11). Unfortunately, while clever conclusion and estimation ways can illuminate a many of the crucial questions, much remains unclear. This is because, as a rule, there's little " ground verity " data in the field for either validating similar results or to give finer grained analytics that can be attained via conclusion moment's pupil druggists have significant exposure to online styles of literacy and social media in their prepharmacy educational gests, similar as online platforms and social media spots like Facebook.(12) With the arrival of online literacy styles and integration of technology into drugstore education, online literacy and social media may be new styles for administering drugstore classes to scholars. In addition, as learners' preferences in drugstore education change, faculty members and sodalities and seminaries of drugstore mustacclimate and respond consequently. (13-16) Facebook group for this class grounded on eventuality for redundant credit and openings to work with external experts and learn further about operation and leadership.(17) Another institution used Twitter in a drugstore practice development, operation, and evaluation course for alternate- time scholars.8 scholars were assigned a Twitter account and were needed to post a minimum of 10 tweets, which reckoned for 2 of the students 'total grade. Some scholars reported the use of Twitter during class distracted them from course conversations, while others felt that the use of tweets helped to increase the sharing of ideas among the class. (18)

1.1 Advantages:

Online drugstore request has undoubted advantages for cases (19) Access to medicines for the impaired or housebound, Access 24 hours a day, A nearly unlimited number of products available, Relative sequestration, which may encourage cases to ask questions about disturbing issues, and more affordableprices. Free access to information, comparison shopping

Copyright to IJARSCT www.ijarsct.co.in DOI: 10.48175/IJARSCT-13904



ISSN (Online) 2581-9429



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

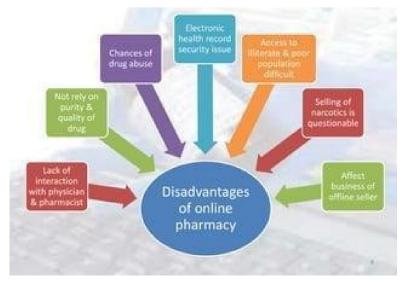
IJARSCT

Volume 3, Issue 1, December 2023



Disadvantages (19)

Lack of meaningful l commerce with croaker and druggists. In numerous cases, guests aren't apprehensive that products offered by online apothecaries may not have the same quality that a retail drugstore may offer. It's delicate to determine whether a website is licit or not, because it's delicate to determine whether medicines bought online are fake, unapproved, or illegal. Misdiagnosis and unhappy use of drugs. These disadvantages and troubles are further aggravated in the case of unlicensed and immorally operated online apothecaries.



Some other issues associated with the online availability of medicines: (19)

This encourages further tone drug. The drugs do bear applicable storehouse for retaining energy. There's no assurance of temperature control either at their storehouse points or during transport. The cases loos the occasion to have a faceto face discussion with the professional druggists. The brand names may frequently beget confusion. There may be the same brand but with different medicines. Eventually, the case is at entering and getting wrong drugs. The most

Copyright to IJARSCT www.ijarsct.co.in

DOI: 10.48175/IJARSCT-13904





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 1, December 2023

upset thing is the trade of antibiotics; India is formerly fighting against antibiotic resistance for illogical use of antibiotics.

Benefits of internet pharmacies:

Internet apothecaries offer a host of benefits. They're accessible and allow guests toavoid nuisances similar as going out in bad rainfall, parking hassles, standing in line, and the ineluctable delay for the tradition to be filled. Cases with limited mobility or those living far from a drugstore can profit extensively from licit Internet apothecaries by barring trip to a traditional drugstore. (7, 8) Implicit guests of online apothecaries are attracted to these spots by the large- scale advertising juggernauts of pharmaceutical companies on TV in the press, by Internet announcements, including spam, from the online apothecaries themselves, and by the reputed low prices. It can bring notable benefits in terms of saving time and plutocrat, but this isn't always true. occasionally drugs are more precious than in usual apothecaries have the eventuality to empower cases by furnishing information about new specifics, adverse goods of specifics, and health conditions.



Framework for Web Security :-

The growth of online pharmaceutical deals has been growing at an outstanding pace for the once 10 times. According to Claburn (20). a study by Mark Monitor estimates that deals have risen from \$4 billion in 2007 to\$ 12 billion in 2008 and the average number of diurnal callers at drugstore spots has risen from 32,000 in 2007 to 99,000 in 2008. The number of implicit consumers searching online drugstore spots for lower cost drugs has increased, with a 34 increase in the web business for the number of people searching for online tradition medicines from first quarter of 2008 to the first quarter of 2009 (21). The growth of this request is due to a variety of factors. First, the cost of the products is one booting concern with consumers, especially those with no health insurance. According to the rearmost study by the U.S. Census Bureau (22), nearly 46 million Americans (15.30 the population) weren't covered by health insurance in 2007. Due to the weak global frugality, consumers are turning to cheaper druthers, similar as in the case of Americans turning

Copyright to IJARSCT www.ijarsct.co.in DOI: 10.48175/IJARSCT-13904





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 1, December 2023

to cheaper foreign apothecaries and spending over\$ 1 billion annually with these enterprises (23). The quality of pharmaceutical purchases is another reason for the growth of this request (24).

Cook indicates that with lesser exposure to online purchasing, consumers have superseded the novelty of online purchasing with a desire for a better quality purchasing experience and products that are similar to offline healthcare options. A reason for the growth of these spots is that costs of medicinal are lower compared to costs in traditional apothecaries. A study by Quon, First & Eisenberg (21). set up that — Americans can save a mean of roughly 24 per unit of medicine if they buy their specifics from Canadian Internet apothecaries rather of from major online

U.S. medicine chain apothecaries. A more recent analysis by an assiduity exploration establishment, Pharmacy Checker.com (25), finds that brand name specifics can frequently be bought at a 70 savings in overseas online apothecariescompared to traditional American apothecaries.

Comparison Of Local Pharmacy And Online Pharmacy:

Price:-The prices for specifics from an online drugstore are less because there'sno particular product unit and there's no physical store for the specifics storehouse and allocating and the company has a large network of retailers to draw from, or a combination of factors. Convenience tradition can be submitted at any time, there's no need to rush to the drugstore during business hours and do not haveto stay in any long lines. still, there are also disadvantages. However, one may not be apprehensive of any implicit medicine relations, it can be delicate to find someone to answer any specific questions about specifics, if it isn't the same website every time. Original apothecaries are small ingly possessed business ratherthan a drugstore within one of the large chains and they've staff during regular business hours, and numerous also have an online counterpart as well. The large chains do use locals for a large portion of their pool. druggist is responsible for allocating the right drugs and indeed counselling a case about side goods and lozenge. In the online space, where the drugs are delivered at the case's home, there's no possibility of an commerce between a case and a druggist.

Measures To Be Taken To Avoid The Misuse Of Online Pharmacy

Before precluding the abuse of online drugstore, cases should stop the nonmedical use of tradition medicines like instigations, anodynes or opiod pain relievers. Casescan take way to insure that they use tradition specifics meetly by no way change a dosing authority without first agitating it with the croaker. No way using another person's tradition, and noway giving their tradition specifics to others storing tradition instigations, anodynes, and opioids safely cases should duly discard unused or expired specifics Schedule H and schedule X medicines cannot be vended without tradition because it's easy for original drugstore stores to corroborate the authenticity of a tradition, as it contains details like enrolment number of medical guru and name of the sanitarium and there's no similar checking by online stores According to the report of high position government commission since croaker's tradition is obligatory for copping. medicines, online apothecaries will need to mandatorily display the portal link on their homepage for authenticity verification by cases or guests and the conventions should be digitallyinked by the croakers

Knowledge and perception about online pharmacy :-

Respondents were asked a series of questions to evaluate their general knowledge and perception towards online pharmacy (Table 3). A clear majority of the respondents did not hear about online pharmacy (82.6%) and very few respondents purchased medicinal product through online pharmacy

(1.4%), while 65.1% have shopped online for other purposes. In addition, about two third (66.4%) of the respondents would like to buy medicines online and over61.8% thinks that purchasing medicine through online pharmacy would be safe.

After they were educated about online pharmacy, more than three fourth (77.1%) of the respondents recommended such services in the kingdom. In response to "which of the features would you to using an online pharmacy" more than half of the respondents reported that online pharmacy reduces the number of visits to hospitals (52.2%).

Copyright to IJARSCT www.ijarsct.co.in DOI: 10.48175/IJARSCT-13904





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 1, December 2023

II. DISCUSSION

Consumer Safety

Consumer safety was bandied in utmost of the reviewed studies. Purchasing medicines online can be veritably parlous and utmost consumers are ignorant of the consequences. This is indeed more important when the online apothecaries aren't recommended or illegal. Marketing strategies also contribute to the high demand for medicines. piecemeal from the announcement of the advantages similar as cheaper prices, other factors similar as confidentiality and the desire to avoid croakers

contribute to the adding demand for online medicines. This is current especially in countries other than the United States. In addition, the sequestration issue has urged consumers to believe that their data are defended. Hence, they infrequently vacillate to review the confidentiality issue. still, consumers are ignorant that online apothecaries have a high eventuality to help data- fishing or fraudulence when products aren't delivered. These events will ultimately lead to security issues.

Quality of Drugs Purchased Online

We recorded studies in which the experimenters bought tradition medicines online and estimated the actual purchase audits characteristics. We epitomized data regarding the type of medicine ordered, the response rate, the quality of the process, and the medicines bought. Regarding process characteristics, we recorded tradition conditions, operation of the online questionnaire, plutocrat deals, and posterior advertising; with regard to medicine quality, we recorded data about packaging and instructions, and chemical composition

Types and Characteristics of Online Pharmacies:-

Still, we recorded the number of online apothecaries anatomized in each study, time of data collection, If they were available. presence of quality instruments(for case, vindicated Internet Pharmacy Practice spots(VIPPS) by the NABP; the Health on the Net Foundation(HON) law; and the Joint Commission on Accreditation of Healthcare Organizations(JCAHCO).

Online Pharmacies International Consumer

Transnational consumers occasionally buy medicines online from online apothecaries in their own countries or those located in other countries. A distinct increase in the frequence of buying drugs and health products online was measured since the rout of the COVID- 19 epidemic. (26) Some of these apothecaries bear conventions while others do not. Of those that don't bear conventions, some ask the client to fill in a health questionnaire with their order. numerous medicines available at licit online apothecaries are produced in well- known manufacturers similar as Pfizer, Wyeth, Roche, and general medicine makers Cipla and Ranbaxy of India and Teva Pharmaceutical diligence of Israel. still, it remains delicate for a case to ascertain whether an online drugstore is licit. Medicines attained from guileful online apothecaries come with no guarantees concerning their identity, history, and source. A study in three metropolises in the Netherlands set up that over 60 of the consumed sildenafil was attained from illegal sources. (27) Roger Bate from the American Enterprise Institute tested hundreds of tradition medicineorders bought over the Internet and discovered that duly credentialed online apothecaries, bones dealing domestically and internationally, only vend lawfully-manufactured drugs (28).

U.S. Consumers

Medicine costs are a big point of magnet for online apothecaries. (29) Shoppers can occasionally gain 50 to 80 percent or further savings on U.S. prices at foreign apothecaries. (30) The" Washington Post" reported that" millions of Americans have turned to Mexico and other countries in hunt of bargain medicines" and that"U.S. Customs estimates 10 million U.S. citizens bring in specifics at land borders each time. An fresh 2 million packages of medicinal arrive annually by transnational correspondence from Thailand, India, South Africa, and other countries. Still, further packages come from online apothecaries in Canada. (31) According to a Wall Street Journal/ Harris Online bean in 2006, 80 percent of Americans favor importing medicines from Canada and other countries. (32) Factors singly associated with importation by U.S. residers are age lesser than 45 times, south or west region of hearthstone, Hispanic

Copyright to IJARSCT www.ijarsct.co.in DOI: 10.48175/IJARSCT-13904





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 1, December 2023

race, council education, poor near-poor poverty status, lack of U.S. citizenship, trip to developing countries, lack of health insurance, high family out- of- fund medical costs, trouble chancing a healthcare provider, fair or poor tone-reported health status, filling a tradition on the Internet, and using online converse groups to learn about health.(33) Former US President Barack Obama's budget supported a plan to allow people to buy cheaper medicines from other countries.(34) A 2016 study suggested that furnishing health insurance content may significantly reduce particular tradition medicine importation and the posterior threat of exposure to fake, thinned, and unacceptable specifics.(29) likewise, health insurance content is likely to be particularly effective at reducing importation among Hispanic persons; those born in Latin America, Russia, or Europe; and people that traveled to developing countries.(29) A report in the journal Clinical rectifiers set up that U.S. consumers face a threat of getting fake medicines because of the rising Internet deals of medicines, with worldwide fake medicine deals, offline and online, projected to reach\$ 75 billion by 2010.(34) In 2015 the Organisation for Economic Cooperation and Development(OECD) estimated that fake deals approached around\$ 200 billion US in 2013.(35).

Overseas online pharmacies and U.S. law.

Legitimacy and pitfalls of copping medicines online depend on the specific kind and quantum of medicine being bought. The FDA believes that systematized felonious networks control numerous online apothecaries that vend illegal pharmaceutical products without conventions 36). In 2014, The U.S. FDA, in cooperation with other civil and (transnational agencies and technology companieslike Google, took action against websites that were dealing medicines to U.S. consumers (37) Correspondence Order Apothecaries are regulated by the civil lawsof the U.S (38) and hundreds of them operate fairly in the US. The U.S. FDA believes that ICANN should do further to block and seize what the agency views as illegal online drugstore websites(39) ICANN has articulated the position that it doesn't have the organizational accreditation to take down online apothecaries, stating in one post on its website," that ICANN isn't a court and isn't empowered toresolve controversies when parties differ over what constitutes illegal exertion in multiple countries around the world."(40) The Electronic Frontier Foundation, anon-profit association defending civil rights on the Internet, views the influence of the pharmaceutical assiduity on the Internet as a form of suppression that threatens the capability of American consumers to pierce drugs in other countries bought from online apothecaries that vend licit drugs.(41) A offer called the Safe Importation Action Plan would allow countries, wholesalers and apothecaries, but not cases, to buy medicines from Canada.(42).

REFERENCES

- [1]. Ashwin Kumar Chaturvedi*, Umesh Kumar Singh, Amrish Kumar Kharvel Subharti College of Pharmacy, Meerut
- [2]. Kelsey Morgan, Erin Adams, Teresa Elsobky, Amber Darr, and Marcia Brackbill Shenandoah University Bernard J. Dunn School of Pharmacy
- [3]. Cenzic [Internet]. —Web Application Security Trends Report Q3-Q4, 2008, 2009, Available from: http://www.cenzic.com/downloads/Cenzic_AppSecTrends_Q3-Q4- 2008.pdf
- [4]. Open Web Application Security Project (OWASP) [Internet]. —Top 10 2007ll, 2008. Available from: http://www.owasp.org/index.php/Top_10_2007#Introduction.
- [5]. A. SANS Institute [Internet]. —SANS Top-20 2007 Security Risks (2007 Annual Update)|, 2009. Available from: http://www.sans.org/top20/#s1.
- [6]. C. Kanich, C. Kreibich, K. Levchenko, B. Enright, G. M. Voelker, V. Paxson, and S. Savage. Spamalytics: An Empirical Analysis of Spam Marketing Conversion. In Proc. of 15th ACM CCS, 2008.
- [7]. C. Kanich, N. Weaver, D. McCoy, T. Halvorson, C. Kreibich, K. Levchenko, V. Paxson, G.M. Voelker, and S. Savage. Show Me the Money: Characterizing Spamad vertised Revenue. In Proc. of 20th USENIX Security, 2011.
- [8]. A. Nleontiadis, T. Moore, and N. Christin. Measuring and Analyzing Search- Redirection Attacks in the Illicit Online Prescription Drug Trade. In Proc. 20th USENIX Security, 2011

Copyright to IJARSCT www.ijarsct.co.in DOI: 10.48175/IJARSCT-13904





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 1, December 2023

- [9]. K. Levchenko, N. Chachra, B. Enright, M. Felegyhazi, C. Grier, T. Halvorson, C. Kanich, C.Kreibich, H. Liu, D. McCoy, A. Pitsillidis, N. Weaver, V. Paxson, G. M. Voelker, and S. Savage. Click Trajectories: End-to-End Analysis of the Spam Value Chain. In Proc. of 32nd IEEE Security and Privacy, 2011.
- [10]. H. Liu, K. Levchenko, M. Felegyh ' azi, C. Kreibich, ' G. Maier, G. M. Voelker, and S. Savage. On the Effects of Registrar-level Intervention. In Proc. of 4th USENIX LEET, 2011
- [11]. Elliott WV, Suda KJ, Hamilton LA, Curry KY, Byrd DC. Impact of elimination of learner-centered assignments on students' performance in and evaluation of a drug information and literature evaluation course. Curr Pharm Teach Learn. 2014;6(4):483-487.
- [12]. Fox BI. Information technology and pharmacy education. Am J Pharm Educ. 2011;75(5) Article 86.
- [13]. Blouin RA, Riffee WH, Robinson ET, et al. Roles of innovation in education delivery. Am J Pharm Educ. 2009;73(8):154
- [14]. Aragon SR, Johnson SD, Shaik N. The influence of learning style preferences on student success in online versus face-to-face environments. Am J Distance Educ. 2002;16(4):227-243.
- [15]. Kerr MS, Rynearson K, Kerr MC. Student characteristics for online learning success. The Internet and Higher Education. 2006;9(2):91-105.
- [16]. Dahlstrom E, Walker JD, Dziuban CD, Morgan G. ECAR study of undergraduate students and information technology, 2013. Louisville, CO: EDUCAUSE Center for Analysis and Research; 2013.
- [17]. Cain J, Policastri A. Using Facebook as an informal learning environment. Am J Pharm Educ. 2011;75(10): Article 207.
- [18]. Fox BI, Varadarajan R. Use of Twitter to encourage interaction in a multi-campus pharmacy management course. Am J Pharm Educ. 2011;75(5): Article 88 G . Prashanti S. Sravani Saleha Noorie Dept of pharmaceutical technology, AU College of Pharmaceutical sciences, Visakhapatnam, A.P
- [19]. Claburn, T. [Internet]. —Online Pharmacy Risks Risingl, Information Week. 2008, August 26. Available from: http://www.informationweek.com/news/internet/security/showArticle.jhtml?articleID=2 10200864
- [20]. PharmacyChecker.com[Internet]. —Online Prescription Drug Searches Surge 34% Over Past Twelve
Monthsl, 2009, April 6. Available from:
http://www.pharmacychecker.com/news/online drug searches surge 0406 09.asp
- [21]. U.S. Census Bureau News [Internet]. —Income, Poverty, and Health Insurance Coverage in the United States: 2007l, U.S. Census Bureau, 2008, August, Available from: http://www.census.gov/prod/2008pubs/p60-235.pdf
- [22]. CBC News [Internet]. —Prescription drugs: more business for Canadia online pharmacies? 2009, February 27, Available from http://www.cbc.ca/health/story/2009/02/27/f-onlinedrugs.html
- [23]. Cook, D., Joseph, J., & Morton, R. —Quality drivers for e- pharmaceuticals system management: a theoretical frameworkl, International Journal of Electronic Business. 2004. Vol. 2, No. 2. pp 174-192.
- [24]. Quon, B., Firszt, R., & Eisenberg, M. —A Comparison of Brand-Name Drug Prices between Canadian-Based Internet Pharmacies and Major U.S. Drug Chain Pharmacies^{II}, Annals of Internal Medicine. 2005. Vol. 143, No. 6, pp. 397-403.
- [25]. Fittler, András; Ambrus, Tünde; Serefko, Anna; Smejkalová, Lenka; Kijewska, Anna; Szopa, Aleksandra; Káplár, Mátyás (2022). "Attitudes and behaviors Regarding online pharmacies in the aftermath of COVID-19 pandemic: At the tipping point towards the new normal". Frontiers in Pharmacology. 13. doi:10.3389/fphar.2022.1070473. ISSN 1663-9812. PMC 9833114. PMID 36642991.
- [26]. Venhuis, BJ; de Voogt, P; Emke, E; Causanilles, A; Keizers, PHJ (2014). "Success of rogue online pharmacies: sewage study of sildenafil in the Netherlands" (PDF). BMJ. 349:g4317. doi:10.1136/bmj.g4317. PMID 24989165. S2CID 38052344.
- [27]. Archived (PDF) from the original on 2020-08-05. Retrieved 2019-08-17.
- [28]. Bate, Roger (18 July 2017). "Catch 22: Credentialed online pharmacies are so safe that peer-review literature is no longer interested in results showing it". AEI Ideas. American Enterprise Institute. Archived from the original on 20 January 2019. Retrieved 2 May 2019.

Copyright to IJARSCT www.ijarsct.co.in DOI: 10.48175/IJARSCT-13904





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 1, December 2023

- [29]. Zullo, AR; Howe, CJ; Galárraga, O (2 February 2016). "Estimating the Effect of Health Insurance on Personal Prescription Drug Importation". Medical Care Research and Review. 74 (2): 178–207. doi:10.1177/1077558716629039. PMC 4970983. PMID 26837427.
- [30]. Gantz, Sarah. "Pricey prescription drugs may have cheaper, generic versions overseas". The Inquirer. Philadelphia Media Network, PBC. Archived from the original on 2 May 2019. Retrieved 2 May 2019.
- [31]. Millions of Americans Look Outside U.S. For Drugs Archived 2019-07- 14 at the Wayback Machine, Washington Post, October 23, 2003,
- [32]. "Harris Interactive, September 16 2006". Archived from the original on 2011-11-17. Retrieved 2009-09-17.
- [33]. Zullo, Andrew R.; Dore, David D.; Galárraga, Omar (2015). "Development and Validation of an index to predict personal prescription drug importation by adults in the United States". Journal of Pharmaceutical Health Services Research. 6 (1): 33–doi:10.1111/jphs.12088. PMC 4930104. PMID 27375777.
- [34]. "Obama's budget supports drug import plan". Reuters. 2009-02-26.
- [35]. Archived from the original on 2023-05-21. Retrieved 2023-05-10.
- [36]. Risks in Ordering Drugs by Internet on the Rise Archived 2018-12-11 at the Wayback Machine Newswise, Retrieved on July 20, 2008.
- [37]. Acri, Kristina (2 March 2018). "They cost us billions and they can kill: Counterfeit drugs are invading Canada". Financial Post. Archived from the original on 1 March 2020. Retrieved 1 March 2020.
- [38]. "Websites selling illegal drugs are controlled by underworld". India Today. 22 May 2014. Archived from the original on 8 January 2018. Retrieved 3 November 2014.
- [39]. "FDA targets illegal online pharmacies in globally coordinated action".
- [40]. U.S. Food and Drug Administration. 22 May 2014. Archived from the original on 17 February 2017. Retrieved 3 November 2014. Government Website. 11 February 2009. Archived (PDF) from the original on 27 March 2016. Retrieved 14 November 2014.
- [41]. "Icann or I Can't? Internet Agency Clashes with FDA Over Online Sites". The Wall Street Journal. 28 October 2014. Archived from the original on 11 August 2020. Retrieved 16 November 2014.
- [42]. Serad, Maguy (August 18, 2014). "Clarifying ICANN's Role Online Pharmacies". International Corporation for Assigned Names and Numbers. Archived from the original on 1 December 2020. Retrieved 2 May 2019.
- [43]. Malcolm, Jeremy (October 6, 2016). "How Big Pharma's Shadow Regulation Censors the Internet". Electronic Frontier Foundation. Archived from the original on 3 December 2020. Retrieved 2 May 2019.
- [44]. Graedon, Joe (1 August 2019). "Is It Now Legal To Import Drugs from Canada?". The People's Pharmacy. Archived from the original on 10 August 2020. Retrieved 13 August 2019.

