

Submission to the Therapeutic Goods Administration on the Definition Of Shortage Of Medicines by Mr Ian Martin Ajzenszmidt BA(Hons)(Melb.) GradDipDataProc(Monash U. Caulfield Institute Of Technology)(1981).

I am submitting the suggestion that the Shortage Of Medicines trigger should be calculated by the Economic Order Quantity model. I am submitting a bibliography obtained by web search.

The search field is “economic order quantity and medicines shortage management and reporting” and the search engine is www.google.com.



economic order quantity an

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About 3,490,000 results (0.53 seconds)

Scholarly articles for economic order quantity and medicines shortage management and reporting

[The bullwhip effect in supply chains](#) - Lee - Cited by 4050

[ASHP guidelines on managing drug product shortages ...](#) - Fox - Cited by 171

[Drug shortages: the cycle of quantity and quality](#) - Kweder - Cited by 45

Search Results

[PDF]Management and Communication of Medicine Shortages in ... - TGA

<https://www.tga.gov.au/.../consultation-management-and-communication-of-medicine...>

Management and Communication of *Medicine Shortages* in Australia – a New Protocol: V1.0

March 2018. Page 3 of ... 4. Principles for identification and *management* of potential shortages _ 6.

Steps in the *Reporting, Management* and Communication of a medicines shortage State and territory health *systems* b. Health ...

[PDF]Management and communication of medicines shortages - TGA

<https://www.tga.gov.au/.../consultation-management-and-communication-of-medicine...>

Mar 5, 2018 - *Management* and communication of *medicines shortages* – proposed implementation approach: Consultation paper ... The Government is considering making *reporting* of all *medicines shortages* to the TGA by In *order* for sponsors to meet this requirement, and for TGA, if necessary, to enforce this.

[PDF]Inventory management - Management Sciences for Health

<https://www.msh.org/sites/msh.org/files/mds3-ch23-inventorymgmt-mar2012.pdf>

waste of *financial* resources, *shortages* of some essential *medicines* or overages of others resulting in expiration, and decline in the quality of patient care. “Sick” *inventory management systems* generally feature subjective, ad hoc decisions about *order* frequency and *quantity*, inaccurate stock records, and a lack of *system*-.

[PDF]Medicines shortages - World Health Organization

www.who.int/medicines/publications/druginformation/WHO_DI_30-2_Medicines.pdf

for health *systems* to *manage*, causing additional costs for replacement of medicines and absorbing significant staff time (Box 1). *Medicines shortages* pose risks for ... This article is based on the meeting *report* of a technical consultation on preventing and *managing* global ... *orders* until they combine to full batch *quantities*.

Context of the inventory management expenses in the case of planned ...

<https://www.degruyter.com/view/j/emj.2017.9.issue-1/emj.../emj-2017-0003.xml>

by J Korponai - 2017 - [Related articles](#)

Mar 4, 2017 - By using the *economic order quantity* with the planned *shortage* model, we can define the *optimal order quantity*, along which our stock *management* can ... The *presentation* of the specific expense factors in each other's function, and the representation of the onetime order expenses show their proportion ...

[PDF]Causes & recommendations to tackle medicine shortages

www.medicinesforeurope.com/.../20170927_Positionpaper_medicines%20shortages.p...

Sep 27, 2017 - In order to tackle *medicines shortages* in a multi-source context, Medicines for Europe believes in an approach that ... *manage* information on *medicine shortages* throughout the supply chain 14 Woodcock J, Wosinska M. *Economic* and technological drivers of generic sterile injectable *drug shortages*.

[PDF]Address medicine shortages in Europe - Medicines For Europe

www.medicinesforeurope.com/.../Commentary%20on%20EIU%20report%20vEIU-FI...

which *medicine shortages* are expected”: a national early *notification system* that does not address the this *report*. Addressing *medicine shortages* in Europe: Taking a concerted approach to drive action on *economic*, As described in a *report* published by Birgli, a *management consulting* platform, in 2013, shortages.

[PDF]Medicine shortages in Australia - SHPA

https://www.shpa.org.au/.../shpa_medicines_shortages_in_australia_report_june_2017...

regulated health care *system*. However, *notification* of shortages is voluntary, and anecdotal evidence indicates information provision from manufacturers and wholesalers is poor. To assess supply notifications and measure the impact of shortages, SHPA has undertaken a prevalence study of *medicine shortages* as ...

Missing: ~~quantity~~

[PDF]Determining the Optimal Inventory Management Policy for Naval ...

www.dtic.mil/dtic/tr/fulltext/u2/1030876.pdf

by JS Galka - 2016 - [Cited by 1](#) - [Related articles](#)

use a one-size-fits-all approach, and the *optimal inventory management system* was determined for Naval Medical Center San Diego (NMCS D). This thesis used demand data gathered from NMCS D to investigate the periodic review and continuous review *systems* with single item *ordering* and joint *quantity ordering* to

Causes of Global Medicines Shortage - HPS Pharmacies

www.hps.com.au/knowledge.../clinical-article-causes-of-global-medicines-shortage/

Although such data is not available in Australia, the recent survey conducted by the SHPA has pointed out that to *manage drug shortages* issues, hospital pharmacists and pharmacy support staff are spending a significant *amount* of extra working hours away from clinical pharmacy services. Hospitals' pharmaceutical ...

Economic Order Quantity :: Washington State Department of Health

<https://www.doh.wa.gov> > ... > *Best Practices*

Economic Order Quantity (EOQ) is an industry "best practice" for vaccine inventory ordering, distribution, and *management*.

The real reasons we have drug shortages • The Medical RepublicThe ...

medicalrepublic.com.au/real-reasons-drug-shortages/10976

Sep 11, 2017 - Clinicians were *managing* the *medicines shortage* through safe but *sub-optimal* treatment adjustments, Professor Scott. But adaptation ... In 2011, former president Barack Obama issued an executive *order* compelling manufacturers to declare predicted shortages six months in advance. Canada followed ...

[PDF]Coping with Drug Shortages through regulatory governance - DGRA

dgra.de/media/pdf/studium/masterthesis/master_buechner_sarah_2016.pdf

Figure 3 Details of information presented in DS *reporting systems* on official regulatory websites 32. Figure 4 ... Figure 6 DS Processes coordinated and initiated by the *Drug Shortage Staff* at CDER / FDA 40 a global pricing *system* and *financial* and *economic* incentives for the pharmaceutical industry, and the ...

[PDF]Cancer medicines shortages in Europe - Economist Intelligence Unit

<https://www.eiu.com/graphics/marketing/pdf/ESMO-Cancer-medicines-shortages.pdf>

About this *report*. *Cancer medicines shortages* in Europe, Policy recommendations to prevent and *manage* shortages is an Economist Intelligence Unit. (EIU) Healthcare study which was Health *systems/payers* in European countries should consider *financial* incentives for production infrastructure improvements to ...

Medicine shortages: a commentary on causes and mitigation strategies

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5041339/>

by S Iyengar - 2016 - [Cited by 5](#) - [Related articles](#)

Sep 29, 2016 - If it is necessary to prioritise patients to receive a medicine that is in shortage, evidence-based practice should be used to ensure *optimal* allocation. Important steps in reducing *medicine shortages* and their impact include identifying medicines that are most at risk, developing *reporting systems* to share ...

Missing: ~~quantity~~

Mosby's Review for the Pharmacy Technician Certification Examination ...

<https://books.google.com.au/books?isbn=032329264X>

[James J. Mizner](#) - 2014 - Medical

MANAGEMENT. Focuses on the procurement, *drug* storage and inventory control *systems*, and recapture and ... *shortages*, which may affect patient care • Reduces carrying cost (*financial* investment) in *drug* products • Minimizes costs associated with placing *orders* to the ...

[Medicine shortages in Fiji: A qualitative exploration of stakeholders ...](#)

journals.plos.org/plosone/article?id=10.1371/journal.pone.0178429

by J Walker - 2017 - [Cited by 1](#) - [Related articles](#)

Jun 5, 2017 - Conclusions The situation in Fiji is not dissimilar to other instances of *shortages* around the world and hence international solutions like that proposed by WHO are ... Discussion has also involved viable pricing of *medicines*, universal quality control and creation of national/international *reporting systems* [6].

[BA3352 Inventory Management](#)

mcu.edu.tw/~ychen/op_mgm/notes/inventory.html

The system provides continuous monitoring of inventory withdraws and the setting of *optimal order quantity*. ... Three basic costs are associated with inventory *management*: holding, transaction (ordering), and *shortage* costs. ... Daily products, salad dressings, *medications*, batteries, and film also have limited shelf lives.

[An inventory control problem for deteriorating items with back-ordering ...](#)

<https://www.sciencedirect.com/science/article/pii/S0307904X1300396X>

by AA Taleizadeh - 2014 - [Cited by 84](#) - [Related articles](#)

Jan 1, 2014 - Liao and Chen [41] developed an *EOQ* model under a situation in which the effects of the inflation, deterioration, initial stock-dependent demand rates and wholesaler's permissible delay in payment are discussed while *shortage* is not allowed. Yang [61] developed two-warehouse inventory *management* ...

[Inventory \(Stock\) Management With Accounting Examples Explained](#)

<https://www.business-case-analysis.com> > *Encyclopedia* > *I*

LIFO and FIFO. Write Down. Leakage / Spoilage. Inventory Performance. Inventory Turns. Days Sales in Inventory. Days Inventory Outstanding. Forecasting. Optimal Reorder Point. Reorder Quantity. Safety Stock. *Economic Order Quantity*. *Economic Order Quantity*. Just-in-Time Manufacturing. Vendor-

[\[PDF\]Report by the Working Party Drug Shortages - Government.nl](#)

<https://www.government.nl/.../reports/.../report...drug-shortages.../Report+by+the+Wo...>

Mar 30, 2017 - This *report* was sent to the House of Representatives of the Netherlands May 8th, 2017 ... *order* to prevent *medicinal* product *shortages* and, should they occur, to address them as fully as possible. *quantities* of the *medicinal* product will be marketed (e.g. due to increased demand because a competitor is ...

[PDF]Economic Analysis of the Causes of Drug Shortages

<https://www.asahq.org/~media/sites/.../aspe%20rx%20shortage%20report.pdf?la...>

Oct 1, 2011 - In order to understand what is causing *drug shortages* and to enable evaluation of potential solutions, ASPE conducted an analysis of the underlying ... The Food and Drug Administration (FDA) frequently reports of gray market or secondary distributors offering limited quantities of the drugs for sale.

[PDF]Evaluating Hospital Pharmacy Inventory Management and ... - AHIA

<https://www.ahia.org/.../EvaluatingHospitalPharmacyInventoryManagementandReven...>

Pharmacy inventory management is a complex but critical process within the healthcare delivery system. ... stringent regulatory requirements pertaining to drug traceability, inventory reporting and inventory amount of inventory a pharmacy carries may have a significant financial impact given that a drug resting

[PDF]Stock-outs of essential medicines in Tanzania - Twaweza

<https://twaweza.org/.../Stock-outs%20of%20essential%20medicines%20in%20Tanzani...>

by J Wales - 2014 - [Cited by 8](#) - [Related articles](#)

Report. Shaping policy for development odi.org. Stock-outs of essential medicines in Tanzania. A political economy approach to analysing problems and ... e-LMIS. Electronic Logistics Management and Information System. GoT toward MSD and/or to order quantities of medicines that are greater than their actual needs.

Analytics and Decision Support in Health Care Operations Management

<https://books.google.com.au/books?isbn=1119219817>

[Yasar A. Ozcan](#) - 2017 - Medical

In addition to a lack of control between reviews, the need to protect against shortages between review periods means carrying extra stock. Health care managers also ... Another major advantage is the fixed order quantity; managers can identify an economic order quantity (discussed later in this chapter). However

[PDF]Drug Supply Disruptions - CADTH

https://www.cadth.ca/media/pdf/Drug_Supply_Disruptions_es-18_e.pdf

Administration's Current Drug Shortage list.16. The reasons reported for the shortage were manufacturer delays in 30 cases and increased demand in 11 cases. As of February 9, 2011, the American Society of Health System. Pharmacists (ASHP) lists more than 150 drugs as being in short supply.17 The discrepancies.

An EOQ model for deteriorating items with inflation and time value of ...

www.tandfonline.com/doi/full/10.1080/21642583.2015.1073638

by P Muniappan - 2015 - [Cited by 5](#) - [Related articles](#)

In reality, many products such as fruits, vegetables, *medicines*, volatile liquids, blood banks, high-tech products and others deteriorate continuously due to Combining the above arguments, so for not all the *EOQ* models considered all situations such as *shortages*, deterioration, delayed payments, inflation and time value ...

[PDF]ISPE Drug Shortages Prevention Plan - October 2014

<https://www.ispe.org/sites/default/.../drug-shortages/drug-shortages-prevention-plan.pdf>
system. ISPE recognizes that there are many other factors that may impact the supply of *drugs*, including regional *economic* factors, differing regulatory requirements, insurance programs, and government A particularly insightful *report* into the situation in Europe was provided by the birgli® *management consulting*.

WHO Offers New Plan to Limit Drug Shortages | RAPS

<https://www.raps.org/regulatory.../1/who-offers-new-plan-to-limit-drug-shortages>

Jan 29, 2016 - The World Health Organization (WHO) released a new *report* this week on ways to address global *drug shortages*, which are increasing in frequency, ... WHO is quick to note that, “There is poor availability and quality of data on actual *demandmanagement* practices in procurement and the ...

[PDF]drug shortages - Ordre des pharmaciens du Québec

https://www.opq.org/cms/.../file/.../rapport-ruptures-approvisionnement_ang_02.pdf

the *management* of shortages and necessary information on *drug shortages*. 36 reCoMMendatIon 6 that federal and provincial government policy include stoppages or delays related to manufacturing, regulatory or *economic* constraints *order* larger *quantities*, thus cutting off the supply for other clients. rumours of.

[PPT]MATERIAL MANAGEMENT

www.pitt.edu/~super7/30011-31001/30961.ppt

III rd year Post graduate student in M.D Community *medicine* ... *Material management* is a scientific technique, concerned with Planning, Organizing & Control of flow of materials, from their initial purchase to destination. AIM OF $EOQ = \text{Average Monthly Consumption} \times \text{Lead Time [in months]} + \text{Buffer Stock} - \text{Stock on hand}$.

[PDF]Drug Shortages - FDA

<https://www.fda.gov/downloads/Drugs/DrugSafety/DrugShortages/UCM372566.pdf>

1. Strategic Plan for Preventing and Mitigating. *Drug Shortages*. Food and Drug Administration. October 2013 Although FDA cannot directly affect many of the business and *economic* decisions that contribute to drug *Order*, the IFR amended FDA's regulations related to early *notification* to improve the likelihood of FDA ...

[PDF]Drug Shortages in the US - Our Published Works

<https://pubs.lib.umn.edu/index.php/innovations/article/download/243/237/>

by A Gu - 2011 - [Cited by 13](#) - [Related articles](#)

In 2010, there were 211 newly *reported drug shortages*, tripling the *amount* in 2006 (Figure 1), with almost 75% being ... In October 2011, President Obama signed an executive *order* guiding the Food and Drug Administration (FDA) to set up efforts to relieve shortages.⁷ The latest White House initiative that does not require ...

[PDF]Inventory Management at the National University Hospital ... - Skemman

<https://skemman.is/bitstream/1946/11885/1/thesisf.pdf>

by ES Leifsson - 2012 - [Related articles](#)

Eymundur Sveinn Leifsson, 2012, *Inventory Management* at the National University. Hospital of Iceland, Master's ... techniques, The *Economic Order Quantity (EOQ)*, The Silver-Meal heuristic (SM) and The. Least Unit Cost within the fields of *medicine* and nursing with emphasis on research, development and training.

Drug Shortages - Wiley Online Library

onlinelibrary.wiley.com/doi/10.1002/ncp.10052/pdf

Nov 27, 2017 - in limited supply. The availability of PN components must be considered during every step of the PN use process from *ordering ... drug shortages*; parenteral nutrition; adverse events; drug compounding; patient safety; risk *management ... new drug shortages reported* increased from 56 to 251, an increase ...

Drug Shortages Raise Economic and Ethical Challenges ...

www.pharmexec.com/drug-shortages-raise-economic-and-ethical-challenges

Aug 12, 2016 - *Volume 36, Issue 8. Drug shortages* have been a worldwide problem for the past decade, rising steadily until FDA, Congress and industry began to ... It found that more than half of nearly 2,000 *drug shortages reported* between 2001 and 2014 to the University of Utah data system were for acute-care drugs ...

Medicines shortages: an European overview? - Pharma World

www.pharmaworldmagazine.com > *Business* > *Global report*

Apr 4, 2014 - *Medicine shortages* have consistently been in the media over the past few years and have seemingly, with the *economic* crisis and austerity programme, become ... Therefore, in *order* to safeguard their revenue, manufacturers implement different strategies based either on pricing or on supply *management*.

Shortage - Wikipedia

<https://en.wikipedia.org/wiki/Shortage>

In *economic* terminology, a *shortage* occurs when for some reason (such as government intervention, or decisions by sellers not to raise prices) the price does not rise to reach equilibrium. In this circumstance, buyers want to purchase more at the market price than the *quantity* of the good or service that is available, and ...

Drug Shortages - Mayo Clinic Proceedings

[www.mayoclinicproceedings.org/article/S0025-6196\(13\)01043-4/pdf](http://www.mayoclinicproceedings.org/article/S0025-6196(13)01043-4/pdf)

by ER Fox - 2014 - [Cited by 68](#) - [Related articles](#)

The *financial* effect of *drug shortages* is estimated to be hundreds of millions of dollars annually for health *systems* across the United States. Clinically, patients have been ... new law was enacted in July 2012 that granted the Food and Drug *Administration* additional tools to *quantities* than usual because it is virtually.

[PDF]ANALYSIS OF MEDICINES EXPENDITURES AND ... - muhas

ir.muhas.ac.tz:8080/jspui/bitstream/.../1518/1/Tumaini%20Harrison%20Lyombe.pdf

by TH Lyombe - 2013 - [Cited by 1](#) - [Related articles](#)

1198 items - Cost Inflation Index. EDRS. Electronic *Drug* Record System. EML. Essential *Medicines* List. *EOQ*. *Economic Order Quantity*. FEFO. First Expire – First Out. FSN. Fast Slow ... *shortage* of financial resources for healthcare. ... *management* interventions is rarely *reported* since most hospital pharmacy departments.

Drug shortages in European countries: a trade-off between market ...

<https://bmchealthservres.biomedcentral.com/articles/10.1186/1472-6963-14-438>

by K Pauwels - 2014 - [Cited by 30](#) - [Related articles](#)

Drug shortages in European countries: a trade-off between market attractiveness and cost containment? Kim PauwelsEmail author,; Isabelle Huys,; Minne Casteels and; Steven Simoens. BMC Health Services ... 18 December 2013. Accepted: 18 September 2014. Published: 26 September 2014. Open Peer Review *reports* ...

Drug Shortages in the United States - American Bar Association

https://www.americanbar.org/content/.../aba_health_law_esource_0112_shah.html

According to the American Society of Health *System* Pharmacists (“ASHP”), there are currently about 200 *drug shortages*, ranging from the Acetazolamide ... to blame.¹¹ The *report* identified the limited resources of the Food and Drug *Administration* (“FDA”), which regulates the manufacturing and marketing of drugs and ...

Impact of Oncology Drug Shortages on Patient Therapy: Unplanned ...

ascopubs.org/doi/full/10.1200/jop.2012.000799

by DJ Becker - 2013 - [Cited by 25](#) - [Related articles](#)

A recent survey of 353 members of the American Society of Health *System* Pharmacists (ASHP) *reported* that pharmacists were spending between 8 and 12 hours each week and physicians were

spending between 0 and 2 hours each week *managing* the *medication shortages*. Only four of the 30 medications addressed ...

Essentials of Health Care Finance - Page 551 - Google Books Result

<https://books.google.com.au/books?isbn=1284094634>

[William O. Cleverley, Cleverley](#) - 2017 - Medical

EOQ economic order quantity EPA Environmental Protection Agency EPEA expense per equivalent admission EPFT electronic payment funds transfer EPO ... freestanding ambulatory care FAHS Federation of American Health Systems FASB Financial Accounting Standards Board FDA Food and Drug Administration FDO ...

Occupational skill shortages information | Department of Jobs and ...

<https://www.jobs.gov.au/occupational-skill-shortages-information>

Mar 29, 2018 - Health and social assistance occupations. A research *report* which provides a national overview of the labour market is available for the health professions cluster. Individual occupational *reports* are available for the following health professions: audiologist · dentist · hospital/retail pharmacist · *medical* ...

Regulations Amending the Food and Drug Regulations (Shortages of ...

www.gazette.gc.ca/rp-pr/p2/2016/2016-06-29/html/sor-dors139-eng.html

Jun 29, 2016 - June 29, 2016, Part 2, Volume 150, Number 13, Canada Gazette. ... Description: In order to address these issues, the Government of Canada is requiring mandatory *drug shortage* and discontinuation *reporting* on a publicly available, third-party website. This information will help to ensure that patients, ...

Tackling Medicine Shortages in Europe | Pharmaceutical Technology

www.pharmtech.com/tackling-medicine-shortages-europe

Mar 2, 2018 - “The evidence that the root causes of *medicines shortages* are *economic*, including unsustainable pricing and reference pricing policies, is overwhelming,” ... “While overspending is recovered via the claw-back tax, it has led to withdrawals of generic medicines from the market,” the *report* said (1). Not only ...

[PDF]HDMA White Paper on Product Availability - Healthcare Supply Chain ...

www.supplychainassociation.org/resource/resmgr/.../product_availability_guideli.pdf

and the American Society of Health-System Pharmacists (ASHP) *reported* 267 shortages in 2011 across multiple product 5 U.S. Food and Drug Administration, *Drug Shortages*, <http://www.fda.gov/Drugs/DrugSafety/orders> to prevent excessive *order quantities*;. • Working ...

[PDF]Medicine shortages reflection paper including exec. summary - GIRP

www.girp.eu/.../medicine_shortages_reflection_paper_including_exec._summary.pdf

can result in *shortages* of certain products which suddenly see a rapid increase in *volume* demand;. • The on-going *economic* crisis and consequential austerity measures are resulting in reduced incentives to market such as price reductions and margin cuts. • *System* failures such as the apparent race by payers to the ...

[PDF]effect of inventory management practices on organizational ...

www.ijern.com/journal/2015/March-2015/59.pdf

by D Oballah - [Cited by 6](#) - [Related articles](#)

Mar 3, 2015 - *Shortage of medicines* are occasionally attributed to long procurement procedures, occasional *shortages* of vital authors who agree that *EOQ* is one of the models widely used to *manage* inventory in many broken pills and obsolescence, Healthcare Distribution Management Association report. (2009).

[PDF]ReporT of the InteRnatioNal SummIt on medIcIneS ShoRtage

https://www.fip.org/files/fip/publications/FIP_Summit_on_Medicines_Shortage.pdf

Jun 21, 2013 - The many complexities of supply and demand variability were highlighted. Several internal Pfizer initiatives to mitigate the risk of *medicines shortages* or to *manage* existing shortages were *reported*. One example is an International Drug Shortage Review Team (DSRT) which reviews issues such as stock.

Evaluating Rates of Potential Generic Substitution for ... - Value in Health

[www.valueinhealthjournal.com/article/S1098-3015\(14\)02908-8/pdf](http://www.valueinhealthjournal.com/article/S1098-3015(14)02908-8/pdf)

by S Walton - 2014

reports indicate the problem is increasingly affecting the European pharmaceutical market. The present study ... legal aspects and *management* of *medicine shortages* in Belgium, France and from the perspective of the ... interviews with key representatives of health care *systems'* stakeholders on the national and European ...

[PDF]A Way for Reducing Drug Supply Chain Cost for a ... - UPCommons

<https://upcommons.upc.edu/bitstream/handle/2117/85378/1262-8666-1-PB.pdf>

by L Postacchini - 2016 - [Cited by 2](#) - [Related articles](#)

decreasing, and in a *managing* stock costs increasing, it is worth to adopt an *EOQ* re-order policy. Practical ... logistic system. Keywords: healthcare logistic, *drug management*, supply chain design, discrete-events simulation ... iv. product expiration and tracking issues caused by a lack of *accountability* for products managed ...

Diagnosing Drug Shortages By Matthew Farr A thesis ... - QSpace

https://qspace.library.queensu.ca/bitstream/.../Farr_Matthew_HC_10029197_MA.pdf?...

by M Farr - 2015 - [Related articles](#)

Sep 2, 2015 - In *order* to properly address the *drug shortage* crisis and minimize these symptoms, solutions must acknowledge the underlying *economic* mechanisms that make the crisis a reality.

This thesis 7 Erin R. Fox et al, “ASHP Guidelines on *Managing Drug Product Shortages in Hospitals and Health. Systems*” ...

[PDF]Canada's drug shortage - The Royal College of Physicians and ...

www.royalcollege.ca/portal/page/portal/rc/common/.../canada_drug_shortage_e.pdf

Mar 22, 2012 - Canada is facing a *drug shortage* to such an extent that it is adversely affecting health care. The Saskatchewan ... shortages is lacking; *reporting* supply interruptions by manufacturers is voluntary. The onus is placed ... *system* and *pain management* — 80 per cent being generic injectable forms. Worldwide.

[PDF]Drug Shortages Summit Summary Report - Pharmacy Practice

<https://www.ashp.org/-/media/assets/.../media-story-ideas-drug-shortages-summit.ashx>

Nov 5, 2010 - Summary *Report*. The *Drug Shortages Summit* was co-convened by the American Society of Health-System Pharmacists. (ASHP), the American Society of ... shortages, resource utilization for *managing drug shortages*, and safety concerns associated with drug shortages) *Financial* effects of shortages.

[PDF]GAO-16-595, Drug Shortages: Certain Factors Are Strongly ...

<https://www.gao.gov/assets/680/678281.pdf>

Jul 7, 2016 - statute for GAO to review several aspects of *drug shortages*. This *report* examines (1) trends in *drug shortages*,. (2) FDA's efforts to prioritize reviews of ... To help address shortages, the Food and Drug Administration (FDA) prioritized the review American Society of Health-System Pharmacists. DSS. Drug ...

Economic Analysis of the Causes of Drug Shortages | ASPE

<https://aspe.hhs.gov/report/economic-analysis-causes-drug-shortages>

Oct 28, 2011 - In *order* to understand what is causing *drug shortages* and to enable evaluation of potential solutions, ASPE conducted an analysis of the underlying factors that lead to periods of shortage in the prescription drug market. This *report* complements the FDA's *report* on the current *drug shortage* problem, which ...

[PDF]Toward a European definition for a drug shortage: a ... - Frontiers

<https://www.frontiersin.org/articles/10.3389/fphar.2015.00253/pdf>

by E De Weerd - 2015 - [Cited by 12](#) - [Related articles](#)

Oct 30, 2015 - identifying which conditions are preferable to *report drug shortages* in *order* to facilitate international ... Keywords: *drug shortages*, supply problems, definition and concepts, semantics, qualitative research, literature review Drug Administration, 2011b; Executive Agency for Health and. Consumers, 2012 ...

Sanctions, government blamed for Iran's drugs shortage - Reuters

<https://www.reuters.com/...medicine/sanctions-government-blamed-for-irans-drugs-sh...>

Dec 5, 2012 - DUBAI/ZURICH (Reuters) - Doctors in Iran are trying to fend off a creeping health care crisis caused by *medicine shortages*, due in part to Western *economic* sanctions but exacerbated by government mismanagement and abuse of the *system*. Government hospitals and pharmacies report a widespread ...

[DOC]Induction of Trust Buyers Aug 2016 - Specialist Pharmacy Service

<https://www.sps.nhs.uk/wp-content/.../08/Induction-of-Trust-Buyers-Aug-2016.doc>

This paper is designed to cover those items that pharmacy trust buyers (i.e. the person in the trust responsible for *managing* the sourcing and procurement of *medicines*) need to understand in *order* to perform their duties efficiently. It is meant to supplement the trust induction programme and to be completed over the first 6 ...

[PDF]Drug Shortages: The Cycle of Quantity and Quality

www.colfar.com/files/FALTANTEDEMEDICAMENTOS.pdf

by SL Kweder - 2013 - [Cited by 45](#) - [Related articles](#)

Jan 23, 2013 - *reported* data from 311 hospitals and health-care sites over the 6-month period ...
Order 13588—Reducing Prescription Drug Shortages (<http://www.whitehouse.Administration>, Silver Spring, Maryland, USA.

Drug Shortages, Pricing, and Regulatory Activity - NBER

www.nber.org/chapters/c13102.pdf

by C Stomberg - 2016 - [Cited by 4](#) - [Related articles](#)

increase in average *shortage* length is more recent (beginning in 2008), this measure has nearly doubled in recent years. The similarities demonstrated in Figures 1 and 2 are not simply an artifact of tracking the stock of *drugs* in *shortage*.² In fact, as shown in Figure 3, the number of new *shortages* reported for both ...

[PDF]Preventing Drug Shortages - Drug Shortages Canada

https://www.drugshortagescanada.ca/files/MSSC_Causes_and_Prevention_2017.pdf

complex, global problem involving all stakeholders across the *drug* supply chain. The Committee's workplan includes three integrated pillars: *Notification & Communication*. *Mitigation & Crisis Management*. *Prevention*. To date, collaborative efforts of the MSSC have resulted in progress on how to address *drug shortages* ...

Best Practices for Hospitals to Manage Drug Shortages | McKesson

www.mckesson.com/blog/preparing-for-drug-shortages/

Learn best practices for hospitals and health *systems* to *manage drug shortages*. ... The U.S. Government *Accountability* Office *reports* that the total number of active shortages, including both

new and ongoing shortages from the prior year, has increased since ... Are you reducing shipment *quantities* to my distributor?

[PDF]Year One Evaluation Report Medical Supply Reform Impact ...

<https://dfat.gov.au/about-us/.../png-burnet-institute-medical-supply-evaluation.pdf>

Dec 13, 2013 - both the *financial management* and the *procurement management systems*. As national *medical* supplies expenditures, in the 'pull' *system* are made after delivery, acquittals do not present a major concern at this level. However, it is *reported* in focus group discussions that for local procurement, provinces ...

Survey finds massive medicine shortages in clinics - Times LIVE

<https://www.timeslive.co.za/.../2016-06-25-survey-finds-massive-medicine-shortages-i...>

Jun 25, 2016 - The public health *system* continues to have *shortages* of HIV and TB *medicines*, with nearly a quarter of clinics surveyed *reporting* stockouts in the past three months. This was a finding of Stop Stockouts, which released its 2015 national survey of *medicine* supply *shortages* in health care clinics earlier ...

[PDF]Drug Shortages - The Pew Charitable Trusts

www.pewtrusts.org/~media/assets/2017/01/drug_shortages.pdf

ISPE *drug shortages* team for the technical expertise and insights they provided to the research study and *report*; to John ... Winfield, director, ISPE regulatory affairs, for *managing* the project on ISPE's behalf. a more significant factor than sales *volume* as a predictor of a company's investment in redundant *systems*.

Branded medicine shortages : PSNC Main site

psnc.org.uk/dispensing-supply/supply-chain/branded-shortages/

Some manufacturers have introduced quotas to better *manage* the supply of UK medicines to ensure patient access, however where stock hasn't been allocated correctly by the manufacturer or The PSNC, Pharmacy Voice and the Royal Pharmaceutical Society responded to the APPG's *report* into *medicines shortages*.

Causes | Canadian Drug Shortage

www.canadadrugshortage.com/causes/

Big pharmaceutical companies discontinuing or actively combatting generics in *order* to enhance sales of newer, more expensive, brand-name *drugs*. Sometimes companies ... One of these *reports* suggests that companies may collude illegally in constructing *shortages* to permit a hike. Or are the prices too high? The "too ...

Annals of Saudi Medicine - Drug shortages in large hospitals in ...

www.annsaudimed.net/index.php/vol37/vol37iss5/4657.html

by YS AlRuthia - [Related articles](#)

We conducted this study because the prevalence of *drug shortages* in Saudi Arabia is largely unknown, while there have been *reports* of shortages. ... and imposing an *economic* burden on patients, providers, and health care *systems*.¹ *Drug shortage* is defined by the United States Food and Drug Administration (

[PDF]A Quantitative Analysis of the Causes of Drug Shortages in Jordan: A ...

www.ccsenet.org/journal/index.php/ibr/article/download/57405/31327

by H Awad - 2016 - [Cited by 3](#) - [Related articles](#)

Mar 29, 2016 - the American Food and Drug Administration (AFDA), American Society of Health System Pharmacists (ASHP), and the Institute for Safe Medication ... uncontrollable due to the recent increase of the frequency of active *shortages reported* by the United State Government. Accountability Office (U.S. GAO, ...

Plan ahead: Best practices in an era of drug shortages | Drug Topics

drugtopics.modernmedicine.com/drug.../plan-ahead-best-practices-era-drug-shortages...

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Nov 10, 2015 - A manufacturer with only a limited supply of a drug may not be able to support a high-volume order from a distributor. As a result, you may not ... ASHP has a host of information to help your hospital or health system effectively respond to and *manage drug shortages*. ... U.S. Government Accountability Office.

Chapter 23. Purchasing and Inventory Management | Pharmacy ...

<https://accesspharmacy.mhmedical.com/Content.aspx?bookid=509&aid=56796117>

Pharmacy managers should review *drug usage reports*, as well as new and refilled prescription orders, to determine what to stock. Target market. The *EOQ* model describes the level of inventory and reorder quantity at which the combined costs of purchasing and carrying inventory are at a minimum. The formula is as ...

Incorporating Risk-based Asset Management into your Drug Shortage ...

<https://www.lce.com/Incorporating-Riskbased-Asset-Management-into-your-Drug-Sh...>

This article explains how risk-based asset *management* can help pharmaceutical manufacturers prevent *drug shortages*.. ... Safety (internal and external); *Environmental*; Production Output (*quantity*); Business (\$); Reliability (Mean time between failure, MTBF); Single Point of Failure (lack of continuity or contingency)

[PDF]Financial Analysis in Pharmacy Practice Sample Chapter

www.pharmpress.com/.../Financial%20Analysis%20in%20Pharmacy%20Practice%20...

management. Learning objectives. • Describe the cash conversion cycle and its importance to *inventory management*. • Identify and understand the four main costs of inventory, ... *ordering*

substantial *quantities* of each formulary *medication* in an institutional ... Sample chapter from *Financial Analysis in Pharmacy Practice*

[A Dissertation entitled Supply Chain Inventory Management with ...](#)

citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.998.9249&rep=rep1&type...

by B Li - 2013 - [Related articles](#)

Supply Chain Inventory *Management* with Multiple Types of Customers: Motivated by. Chinese Pharmaceutical Supply 5-1 Total cost per day for various *order quantities* (Q) and reorder levels (r) (Large grid size) before expiration, they have to destroy them and *report* to the State Food and *Drug*. Agency. On the ...

[Shortages of medicines originating from manufacturing - SlideShare](#)

<https://www.slideshare.net/.../shortages-of-medicines-originating-from-manufacturing>

Oct 21, 2017 - The causes of *medicine shortages* are varied and include *economic*, business, political, manufacturing and distribution issues. ... shortages due to manufacturing and quality problems in *order* to raise awareness of the impact of shortages and to promote better and proactive *risk management* by companies.

[\[PDF\]supply chain management practices and stock ... - University of Nairobi](#)

chss.uonbi.ac.ke/sites/default/files/.../Mungu%20project%20November%20Final.pdf

management practices on the stock levels of essential *drugs* in public Health. Institutions in Bungoma East ... health institutions in Bungoma East Sub-County on supply chain *management* practices and the stock to customers. Careful analysis can identify an *economic order quantity* (*EOQ*), being the quantity of an item ...

[Leadership and Management in Pharmacy Practice, Second Edition](#)

<https://books.google.com.au/books?isbn=1466589639>

Andrew M. Peterson, William N. Kelly - 2014 - Business & Economics

Besides disrupting normal purchasing operations in a pharmacy, *drug shortages* may have a negative impact on patient care. In some cases, no other alternative therapy is available, and patients go without *optimal* drug therapy. This is acutely apparent in cancer patients, where shortages of long duration can have a ...

[India Health Report, 2010 - Page 87 - Google Books Result](#)

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2010 - Medical care

Lack of efficiency in any one of these areas can lead to sub- *optimal* procurementshortage of supply. It is further likely to ... The TNMSC has also developed a unique *Drug Distribution Management System* (DDMS) which is put to use in the effective monitoring of procurement and distribution. Under this *system* ...

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Catherine Overholt, Margaret K. Saunders - 1996 - Medical

The costs of locally procured *pharmaceuticals* appeared to be particularly high. Warehouse and Distribution for Pharmaceutical Supplies IMS operated as the hub of the supply *system*. It was responsible, directly or indirectly, for inventory *management* and distribution of *Pharmaceuticals* to 22 hospitals, 6 prisons, ...

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<https://books.google.com.au/books?isbn=1466624744>

Tavana, Madjid - 2012 - Business & Economics

Effects of inflation and the time value of money on *order quantity* and allowable *shortage*.

International Journal of Production *Economics*, 34(1), 65–72. doi:systems for a supply chain.

European ...

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www.jonsloam.bid/odivur/qiruvy.php?mdr=how-to-calculate-safety-stock...

CALCULATION OF SERVICE LEVEL can also be calculated by equating Carrying cost per unit per annum with *shortage* cost per unit per annum. Calculate the difference between the two to determine your Safety Stock. ROP d LT SS. This guide explains how to optimize . *Economic Order Quantity (EOQ)*. 00. Because the ...

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www.redfm.ie/news/cork/

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Venezuelans Die as Maduro Government Refuses Medical Aid - WSJ

<https://www.wsj.com/.../venezuelans-die-as-maduro-government-refuses-medical-aid-15...>

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