

In Critical Condition

THE TRUE COSTS OF DRUG SHORTAGES IN THE U.S.



NEW DRUG SHORTAGES ARE RISING



27%
in 2018¹

AND BECOMING A PERSISTENT PROBLEM



2/3+
of historical volumes unavailable²

SOME SHORTAGES ARE LASTING TOO LONG

LIOTRIX TABLETS
MULTIVITAMIN INFUSIONS
LEUCOVORIN CALCIUM POWDER FOR INJECTION



8+
YEARS³

AND COSTING TOO MUCH



Same drug
2x
as costly⁴

In Shortage vs. In the Absence of a Shortage

Each year, drug shortages wreak financial havoc on the U.S. healthcare system.

\$230M

Added to Drug Costs⁵

\$400M+

Lost to Vendor Price Gouging⁶

\$216M

Added to Labor Costs⁷

\$13.7B

Lost to norepinephrine shortage⁸

But it's not just dollars. Health systems and their patients may be paying the price in terms of patient safety too.

The risk of patient harm rises when:

Critical medications are often unavailable.

Norepinephrine Supply

Mortality Due to Septic Shock⁹

Often, different medications are prescribed and errors related to alternative products occur.

17 Deaths

2010-2012 ISMP Survey Data¹⁰

Premier® and ProvideGx™ are taking bold steps to eliminate costly drug shortages. We're working closely with manufacturers to ensure the drugs your patients need will always be there.

60+

Shortage Drugs Targeted for Market

90+

NDCs on Shortage List Available Now¹¹

Q1 2019

Metoprolol Injection Launched¹²

\$0

Zero Out-of-Pocket Investment for Premier Members

To learn more, contact ProvideGxInfo@Premierinc.com.

Here's where we got that.

1. Becker's Hospital Review. New Drug Shortages Rose 27% in 2018. (2019, January). Retrieved from <https://www.beckershospitalreview.com/pharmacy/new-drug-shortages-rose-27-in-2018.html>

2. Becker's Hospital Review. Intensity, Duration of Drug Shortages are Spiking, FDA Says. (2018, November). Retrieved from <https://www.beckershospitalreview.com/pharmacy/intensity-duration-of-drug-shortages-are-spiking-fda-says.html>

3. Ibid

4. Annals of Internal Medicine®. Changes in Drug Pricing After Drug Shortages in the United States. (2019, January). Retrieved from <https://annals.org/aim/article-abstract/2702478/changes-drug-pricing-after-drug-shortages-united-states>

5. Ibid

6. The Conversation. Drug Shortages Post a Public Health Crisis in the U.S. (2018, June). Retrieved from <http://theconversation.com/drug-shortages-pose-a-public-health-crisis-in-the-us-98295>

7. American Journal of Health System Pharmacy. Impact of Drug Shortages on U.S. Health Systems. (2011, October). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/21930639>.

8. Duke Margolis Center for Health Policy. Identifying the Root Causes of Drug Shortages and Finding Enduring Solutions. (2018, November). Retrieved from https://healthpolicy.duke.edu/sites/default/files/atoms/files/duke-fda_drug_shortages_presentation_slides_0.pdf

9. Vail, Emily; Gershengorn, Hayley; Hua, May; Walkey, Allan; Rubinfeld, Gordon; Wunsch, Hannah. Association Between U.S. Norepinephrine Shortage and Mortality Among Patients with Septic Shock. (2017). JAMA. 317.DOI: 10.1001/jama.2017.2841

10. Mayo Clinic Proceedings. Drug Shortages: A Complex Health Care Crisis. (2014, March). Retrieved from [https://www.mayoclinicproceedings.org/article/S0025-6196\(13\)01043-4/fulltext](https://www.mayoclinicproceedings.org/article/S0025-6196(13)01043-4/fulltext)

11. Available since 2013 through Premier's pharmacy program, PremierProRx®

12. Available through PremierProRx

Premier Inc. (NASDAQ: PINC) is a leading healthcare improvement company, uniting an alliance of more than 4,000 U.S. hospitals and health systems and approximately 165,000 other providers and organizations to transform healthcare. With integrated data and analytics, collaboratives, supply chain solutions, and consulting and other services, Premier enables better care and outcomes at a lower cost. Premier plays a critical role in the rapidly evolving healthcare industry, collaborating with members to co-develop long-term innovations that reinvent and improve the way care is delivered to patients nationwide. Headquartered in Charlotte, NC, Premier is passionate about transforming American healthcare. Please visit Premier's news and investor sites on www.premierinc.com; as well as Twitter, Facebook, LinkedIn, YouTube, Instagram and Premier's blog for more information about the company.