

medeye

Ívar S. Helgasson M.D. M.S.c
Mint Solutions



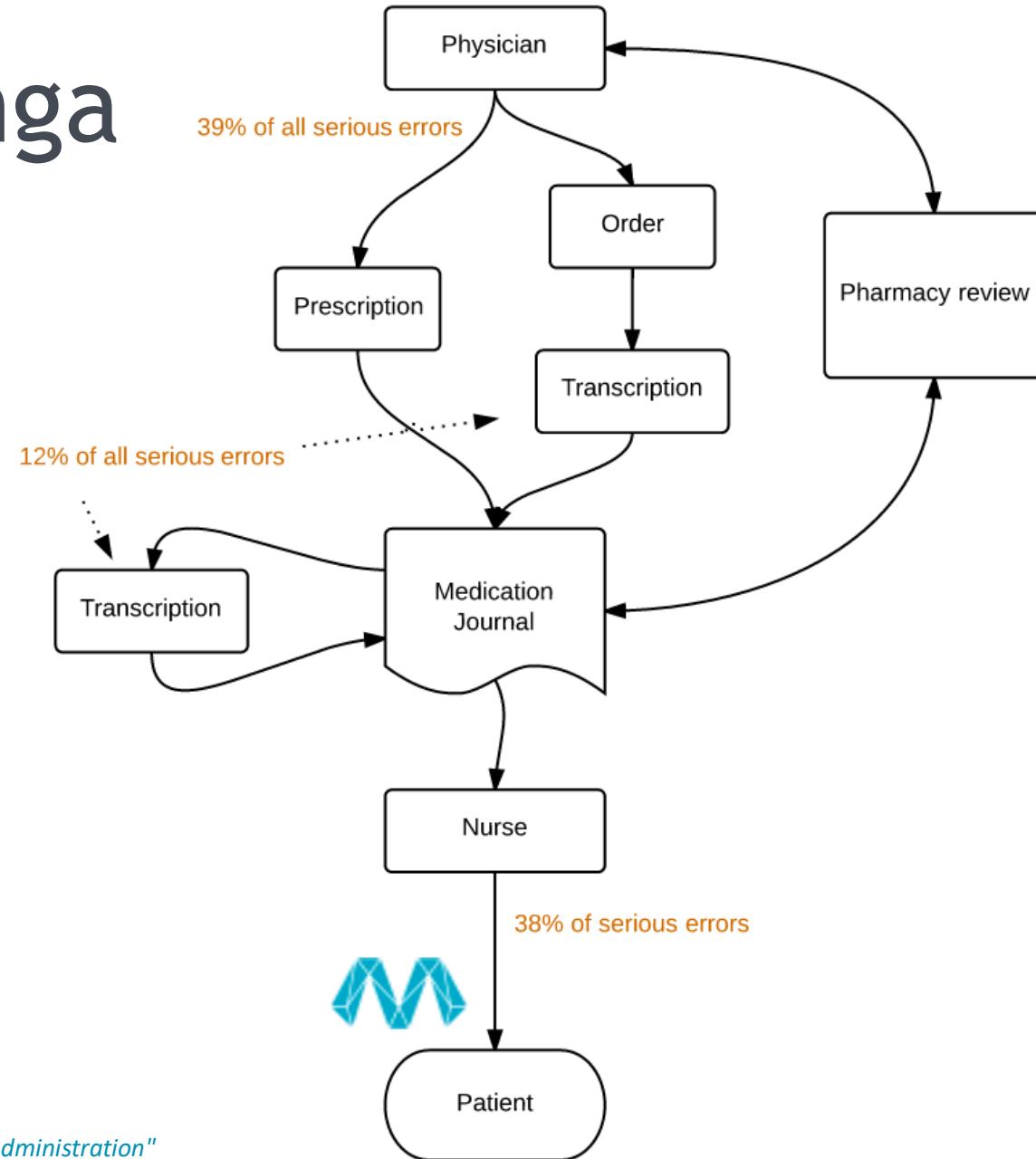
“Medication errors are the most common mistakes in hospitals, contributing to an estimated 7,000 deaths annually.” (USA)

“Research has suggested that, on average, one medication error occurs per patient per day.”

Verkferlar með lyf eru flóknir



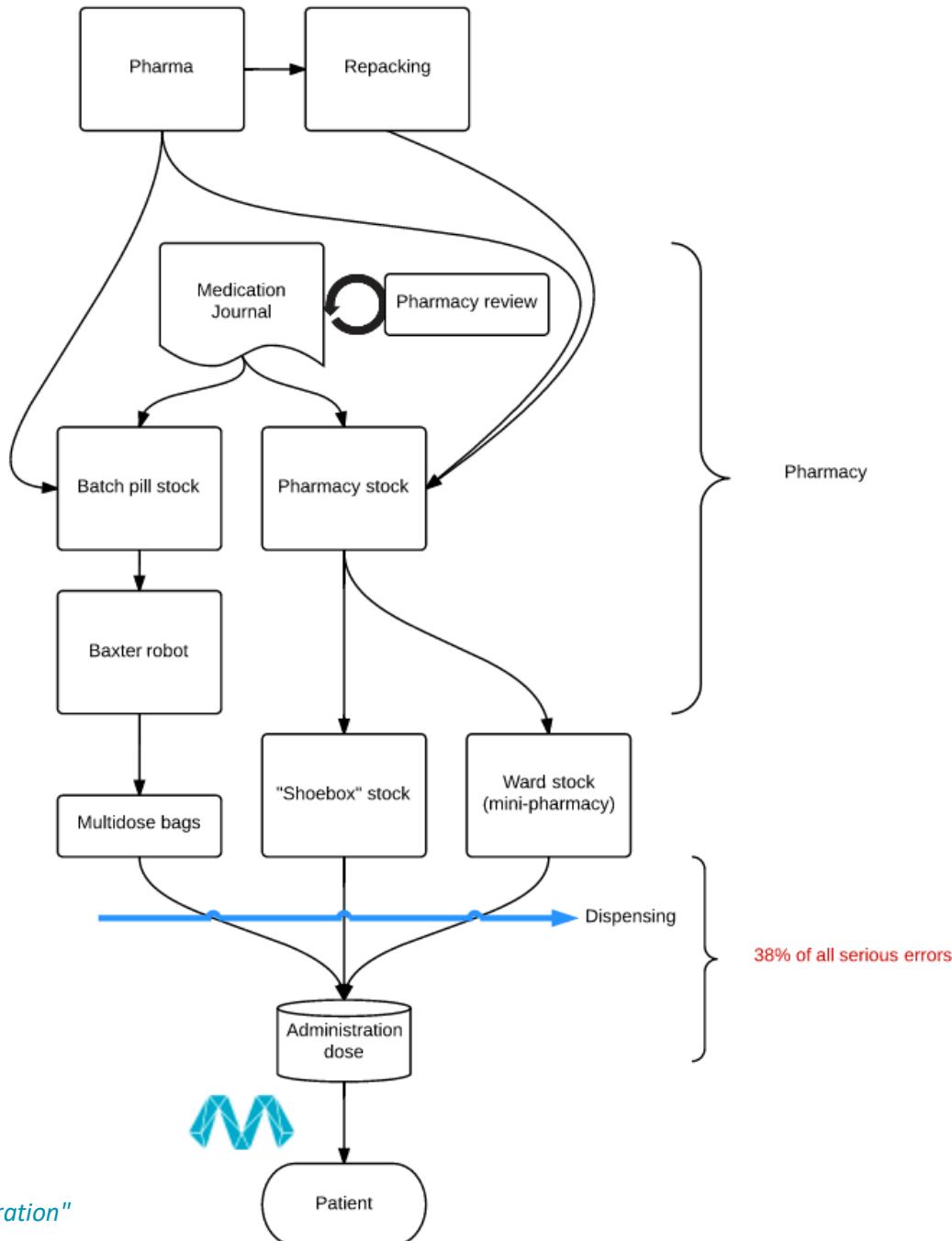
Flæði upplýsinga



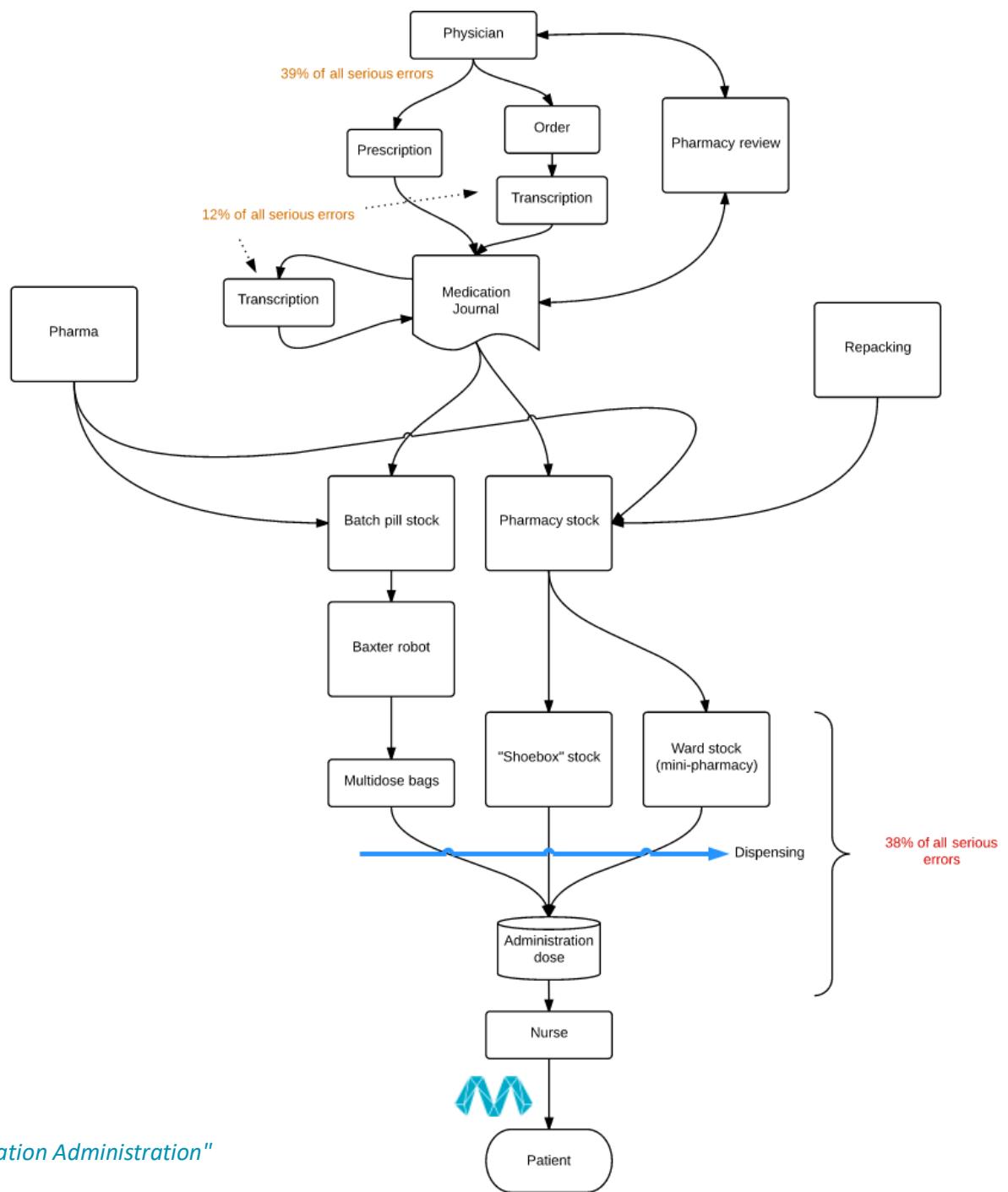
"Effect of Bar-Code Technology on the Safety of Medication Administration"
NEJM 362;18 nejm.org May 6, 2010



Flæði lyfja



"Effect of Bar-Code Technology on the Safety of Medication Administration"
NEJM 362;18 nejm.org May 6, 2010



- Hjúkrunarfræðingar eru síðasta vörn sjúklings gegn mistökum
- Treystum á þá til að leiðréttu öll mistök sem gerast í keðjunni
- Hafa engin almennileg tól til hjálpa



8,2 million patient beds in Europe and US

= 65 million medication dosages per day

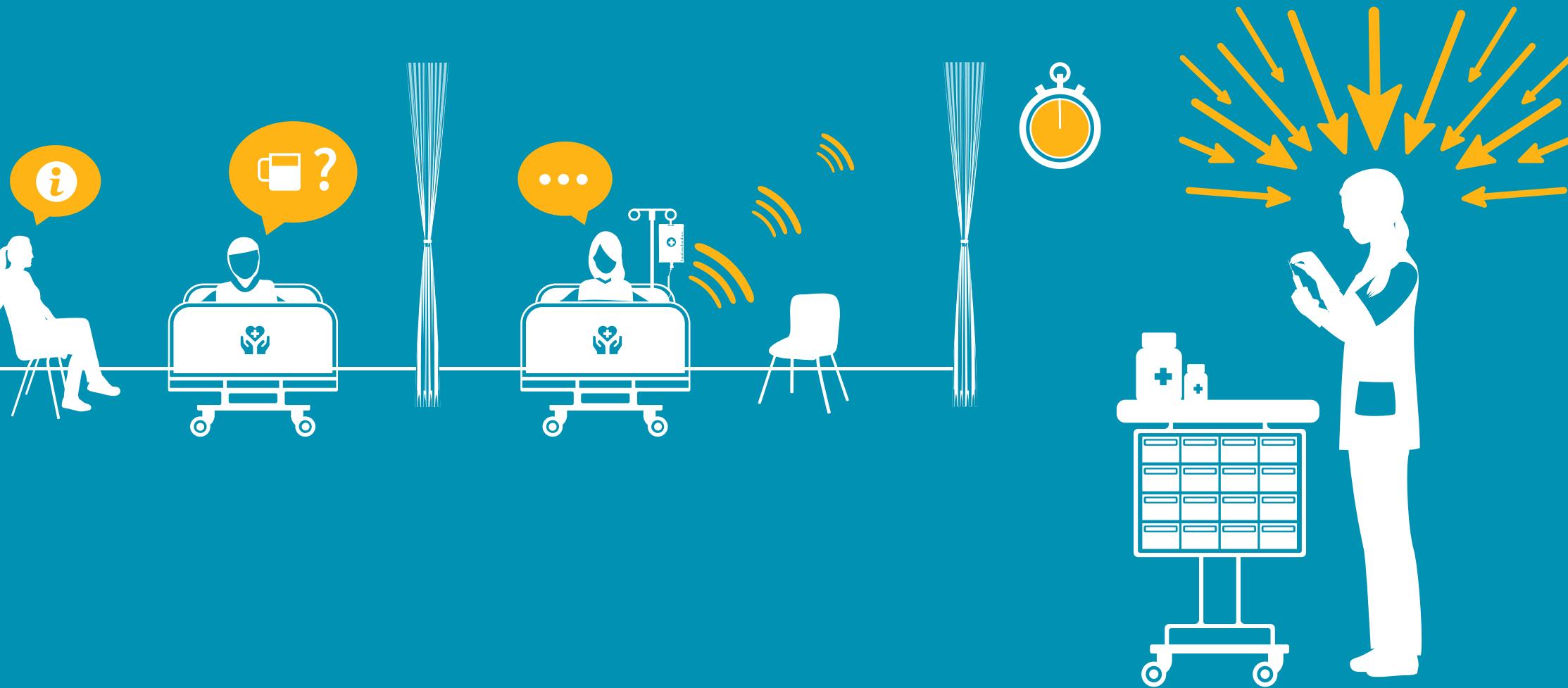
* EU Healthcare resource statistics - http://ec.europa.eu/eurostat/statistics-explained/index.php/Healthcare_resource_statistics_-_beds



Án sjálfvirks eftirlits við lyfjagjöf eru allt að 20% lyfjagjafa rangt framkvæmdar



Vinnuumhverfi hjúkrunarfræðinga...



10 >>

Teldu hvað það eru mörg “f”...

”

Black holes stand at the very edge of scientific theory. Most scientists believe they exist, although many of their theories break down under the extreme conditions within. But Professor Cornelius Van Bockstein of the University of Ushuaia says he knows what you find inside, and challenges the traditional idea that gravity would cause you death by “spaghettification”.





lyfjagjöfum eru rangt framkvæmdar



CHLORPROPAMIDE
100 mg TABLET

N5107920201



Lot DB207 Exp. 2/02
PKG. BY: UDL, ROCKFORD, IL

CHLORPROMAZINE HCl
100 mg TABLET

N5107951601

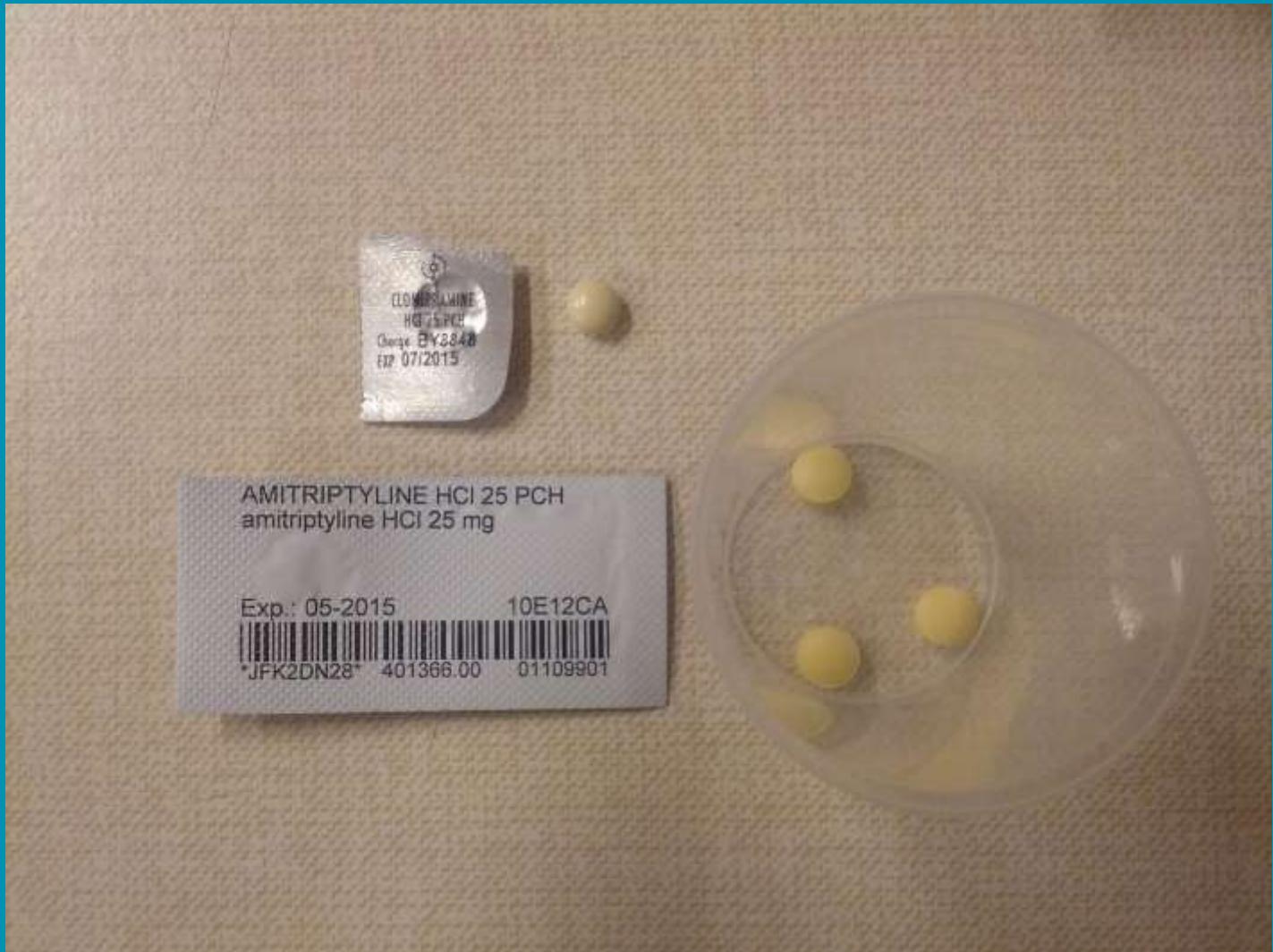


Lot 0D737 Exp. 11/01
PKG. BY: UDL, ROCKFORD, IL

c. ISMP; used w/ permission



Clomipramine v.s. Amitriptyline



Clomipramine til sem
Anafranil



Lykilatriði að rétt lyf berist til hjúkrunarfræðings

- Sjálfvirk lyfjatiltínsla í apótekum
 - Unitdose
 - Multidose
- Sérhæft starfsfólk í lyfjatiltínslu
- Sjálfvirkir lyfjaskápar á deildum





- “... 52% increase in I.V. mini-bag errors occurred after [barcode] implementation in the ICUs”
- “total medication errors were not affected by [barcode] implementation”
- “the potential for [barcode] to prevent errors is diminished if nursing workflow is not considered in the implementation”

* “Why Neither the “Five Rights” Nor Bar Code Medication Administration Alone Will Prevent Medication Errors” – CHPSO, A division of hospital quality institute. <http://www.chpdo.org/post/neither-five-rights-bar-code-medication-administration-alone-will-prevent-medication-errors>

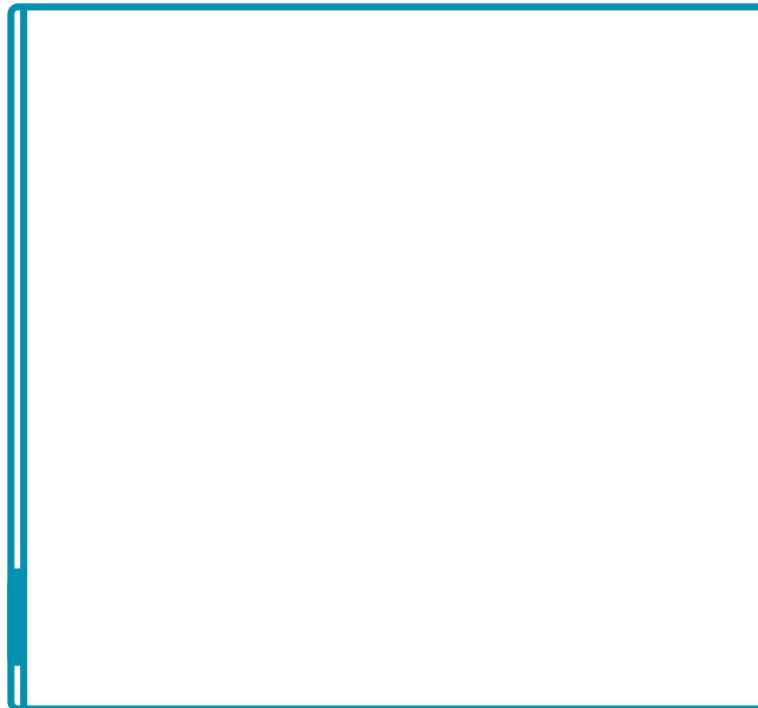


MedEye

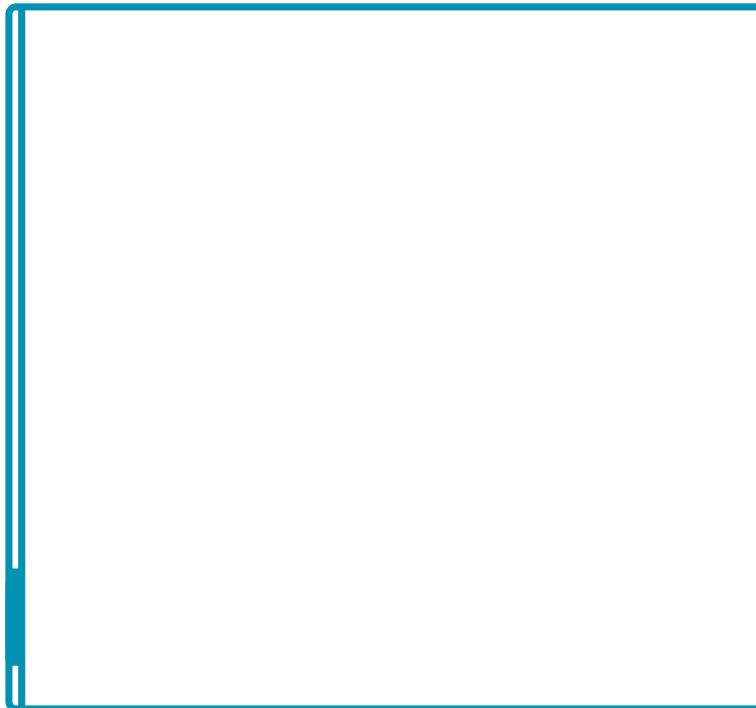


How does the MedEye scanner work?

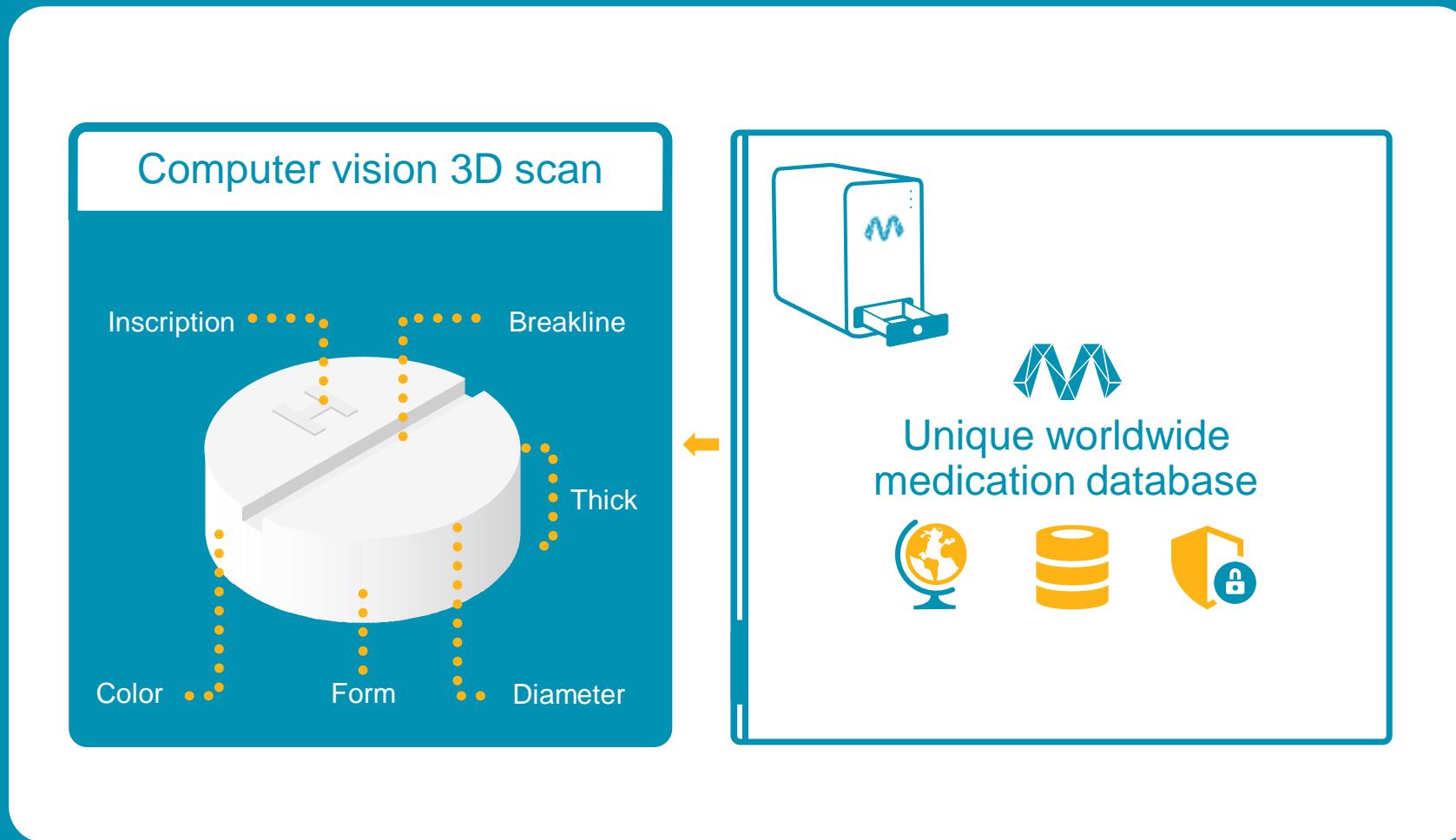
All pills in the
MedEye scanner



How does the MedEye scanner work?



How does the MedEye scanner work?



MedEye hjálpar við allar lyfjagjafir

Skanni

Strikamerki og sampætting

Myndavél

Pillur og hylki

“Multidose” – fyrirmælum breytt

Stakskammtar

Forþökkuð lyf

Breytilegir skammtar

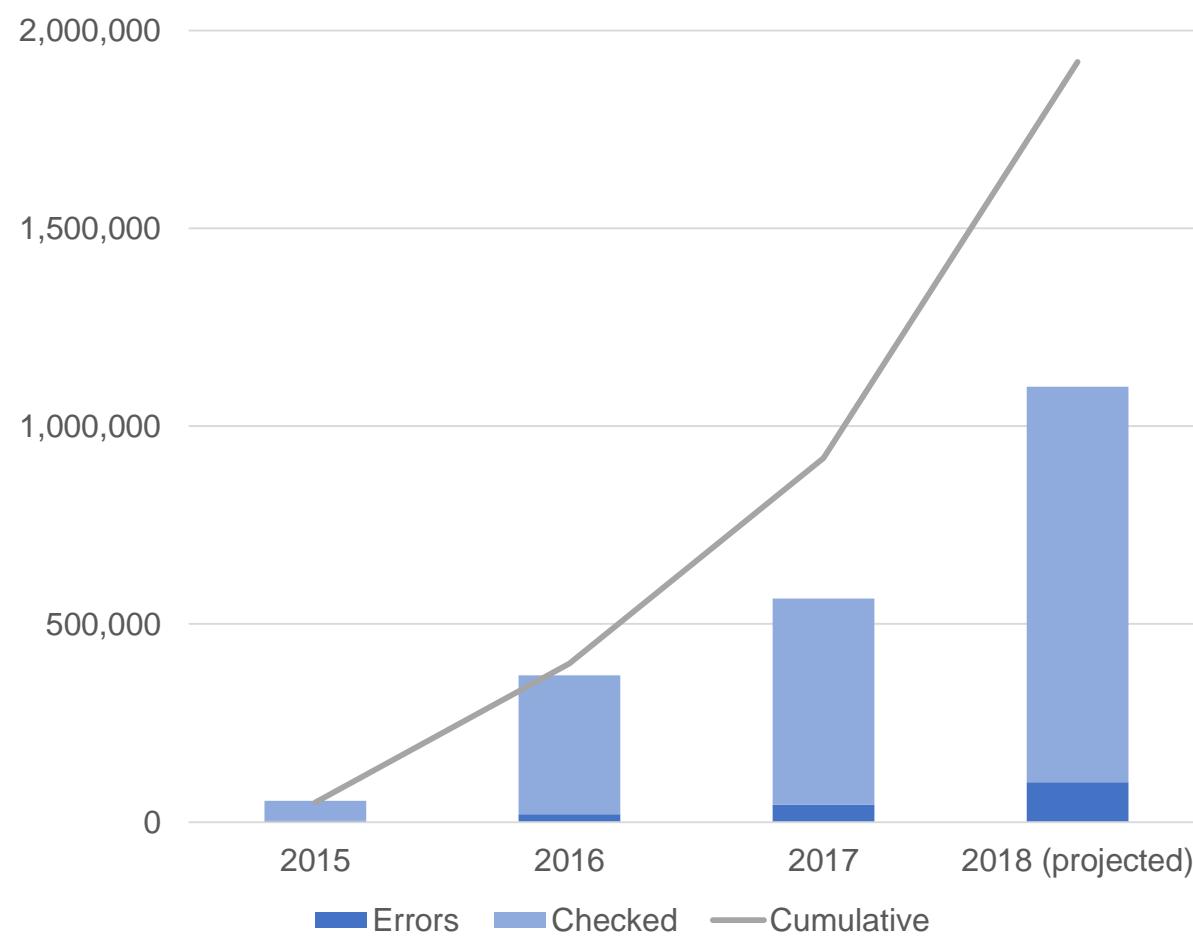
Combi/Multidose

Lyfjablöndur

Innrennslislyf og pumpur



MedEye impact on safety



1,000,000
medications
checked by
February 2018

67,000 medication
errors stopped by end
2017