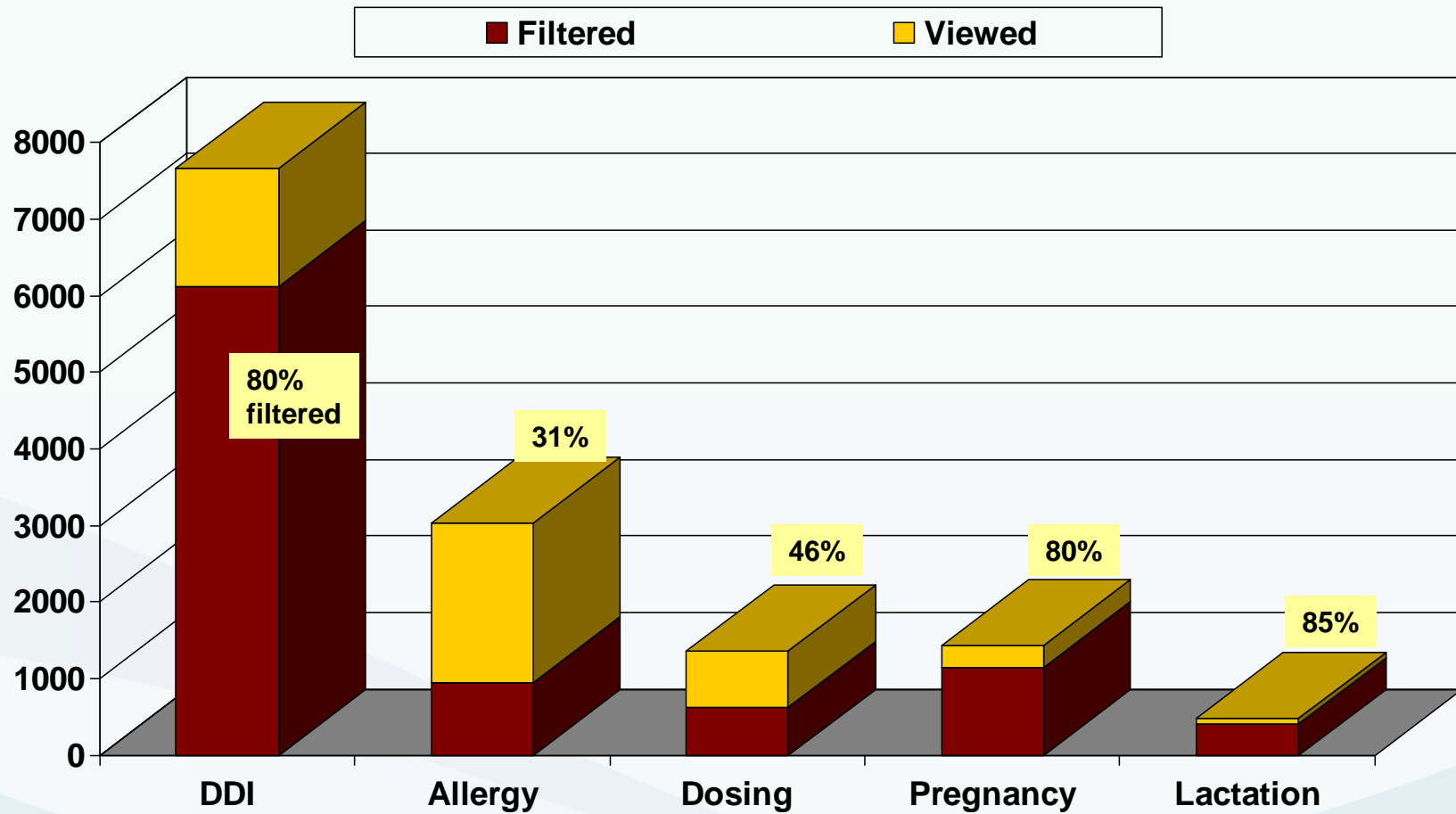


The Next Generation of
Clinical Decision Support:
Moving beyond synchronous,
order-based alerts

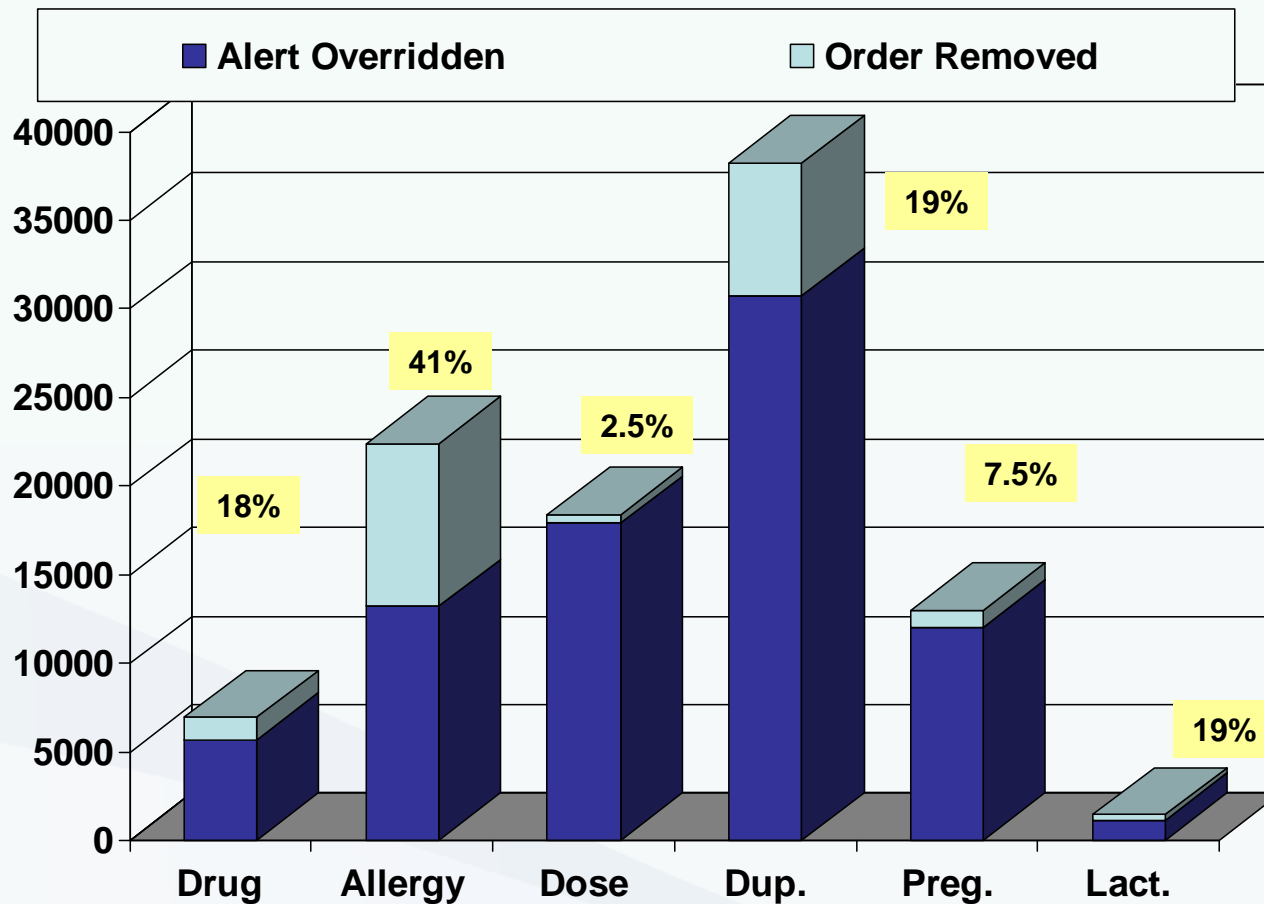
Harris R. Stutman, MD
Executive Director, Clinical
Informatics
MemorialCare Health System

- Where CDS has been:
 - Primarily medication order-based
 - Interactive (Interruptive/Distractive) Workflow
 - Knowledge-base focused
 - Generic
 - One size fits all
 - Not just in time
 - No learning as you go...
 - Much of the governance and informatics efforts have dwelt on what not to display, rather than what to display

Common Medication-related Alerts: Filtering Alerts for Relevance



Common Medication-related Alerts: Six-month period



Total orders
removed = 100/d



CDS 2011 (and beyond MU...)



- The hopes for CDS going forward
- New paradigms and foci:
 - Focus on the global decision-making process
 - Relevance to the user
 - Relevant location in the decision-making process – wherever that may be
 - Expansion of the definition of “decision-maker”?
 - Physicians
 - Clinicians
 - Patients
 - New technologies?

- Howard Strasberg, MD, MS
 - Customizable decision support, including
- Scott Weingarten, MD, MPH
 - Evidence (broadly defined)-based decision support
- Carolyn Simpkins, MD, PhD
 - Decision support on the web
- Art Papier, MD
 - Diagnostic -based decision support