

The Updated Gartner CPR Generation Criteria

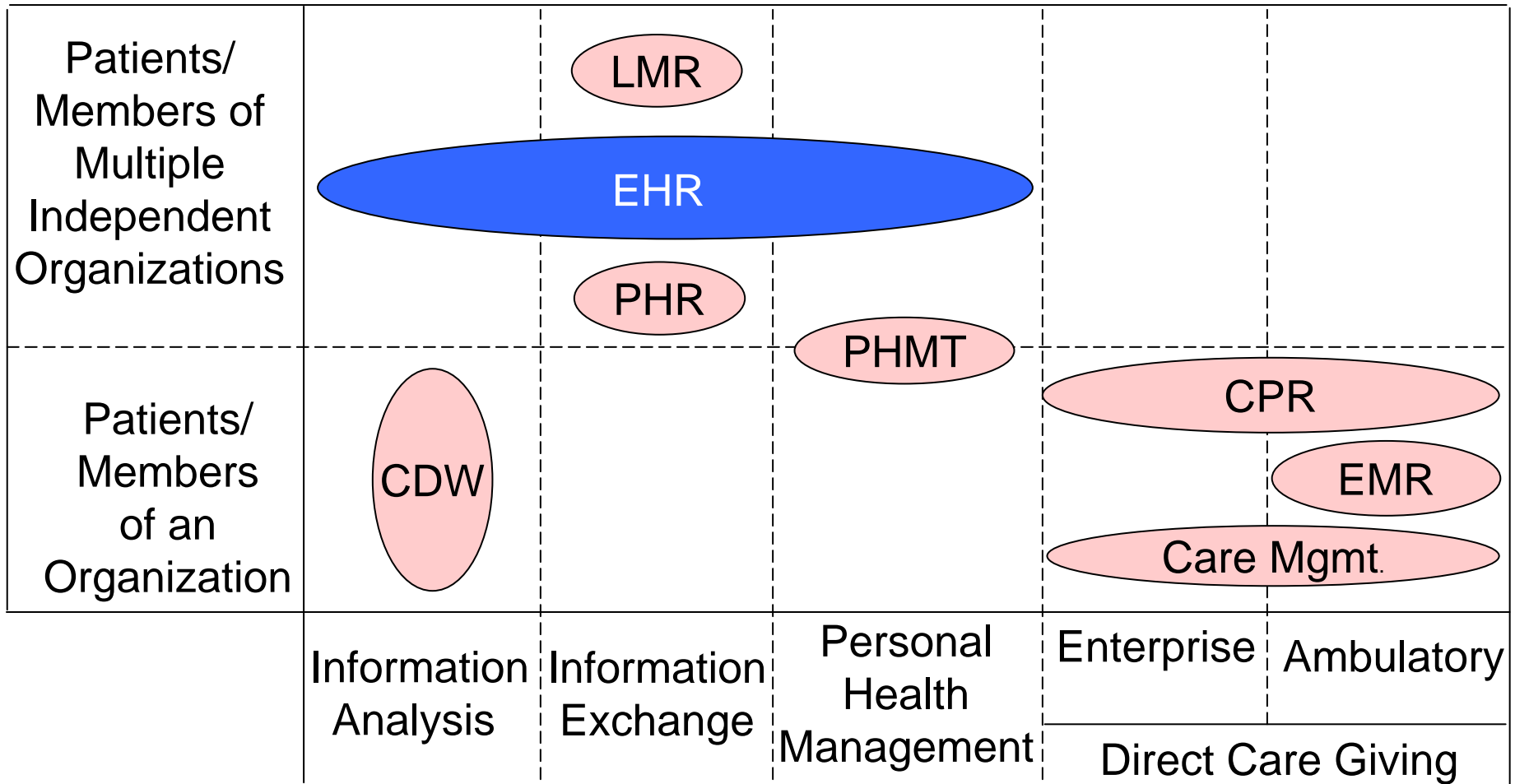
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Digital Record Systems

Scope



CPR = computer-based patient record
 EHR = electronic health record
 EMR = electronic medical record
 PHR = personal health record

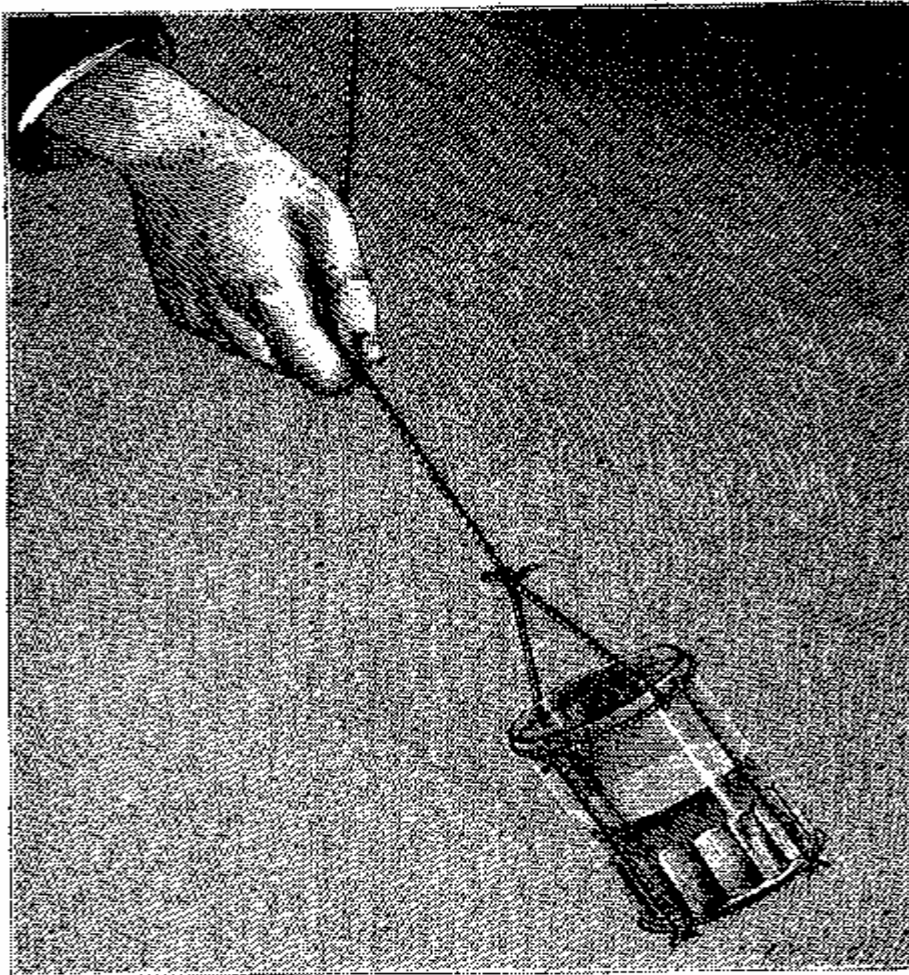
Purpose

Definitive Usage

Likely Additional Usage

Gartner

The Pendulum Is Swinging to Best of Suite

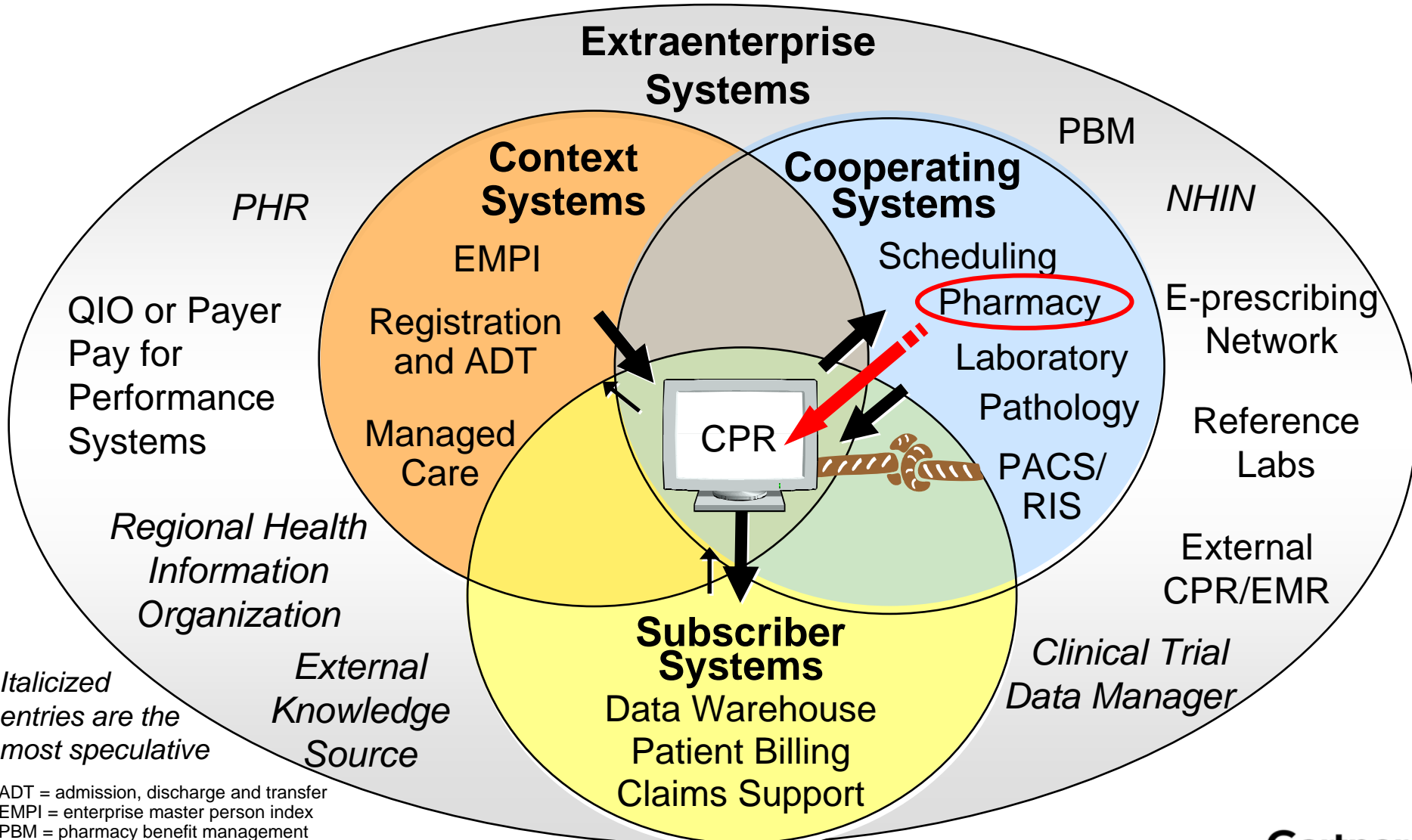


Best of Breed

Best of Suite

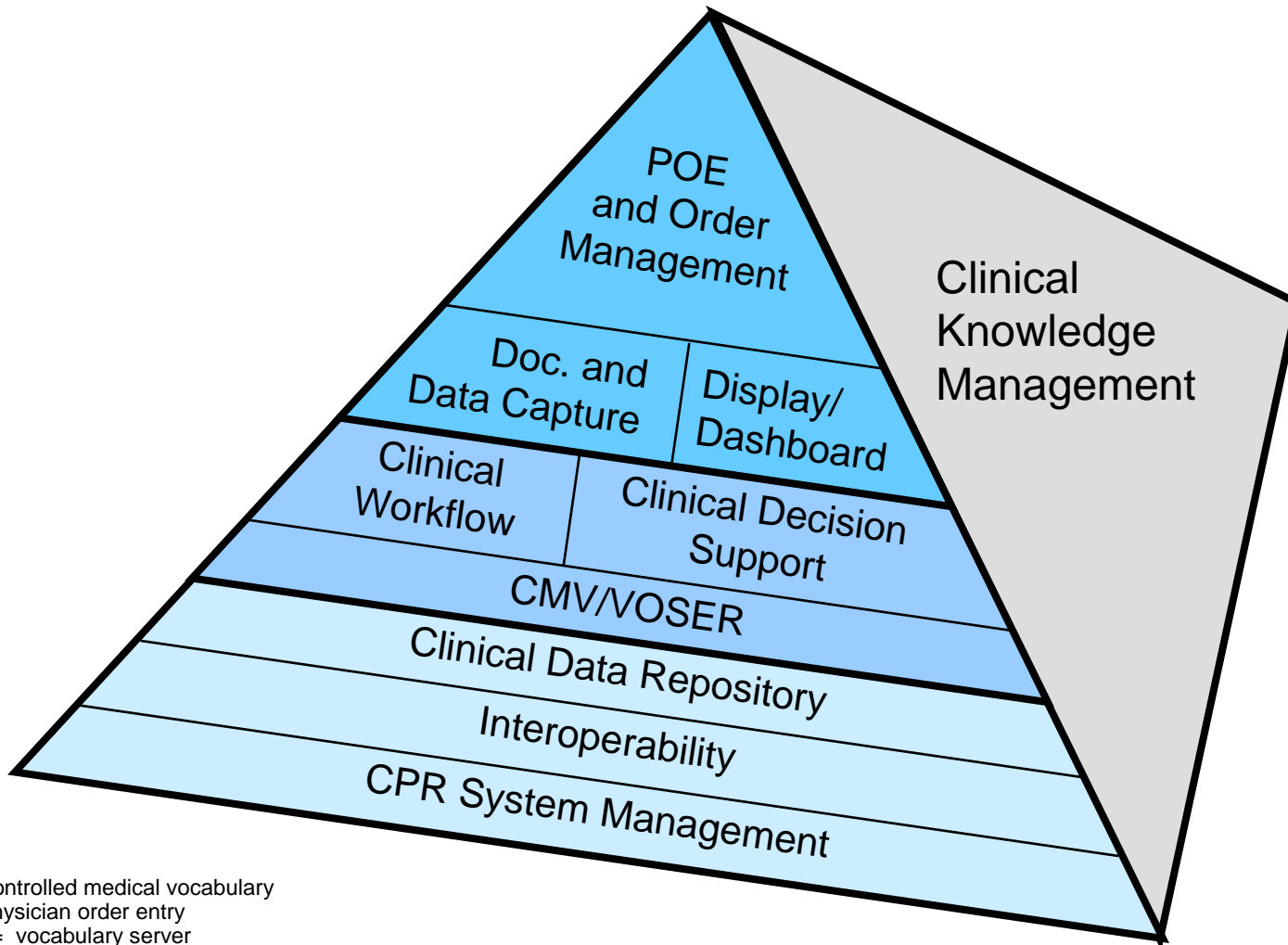


Defining Advanced Clinical Systems



ADT = admission, discharge and transfer
 EMPI = enterprise master person index
 PBM = pharmacy benefit management
 QIO = quality improvement organization
 RIS = radiology information system

Core Capabilities of a CPR System



CMV = controlled medical vocabulary
POE = physician order entry
VOSER = vocabulary server

CPR Generations: Available Today

Generation 1: **The Collector**

These are simple systems that provide a site-specific, encounter-based solution to accessing clinical data.

Generation 2: **The Documentor**

Basic systems that clinicians begin to use at the point of care for somewhat more than merely accessing clinical data.

Generation 3: **The Helper** (Only a few are currently available)

More-advanced systems that support clinical episodes and encounters clinicians. These systems must include integrated pharmacy functionality and cover both ambulatory and acute-care settings. For the first time, the technology can permit a CDO to bring EBM to the point of care

CPR Generations: Available in the Future

Generation 4:
The Colleague
(Available 2010?)

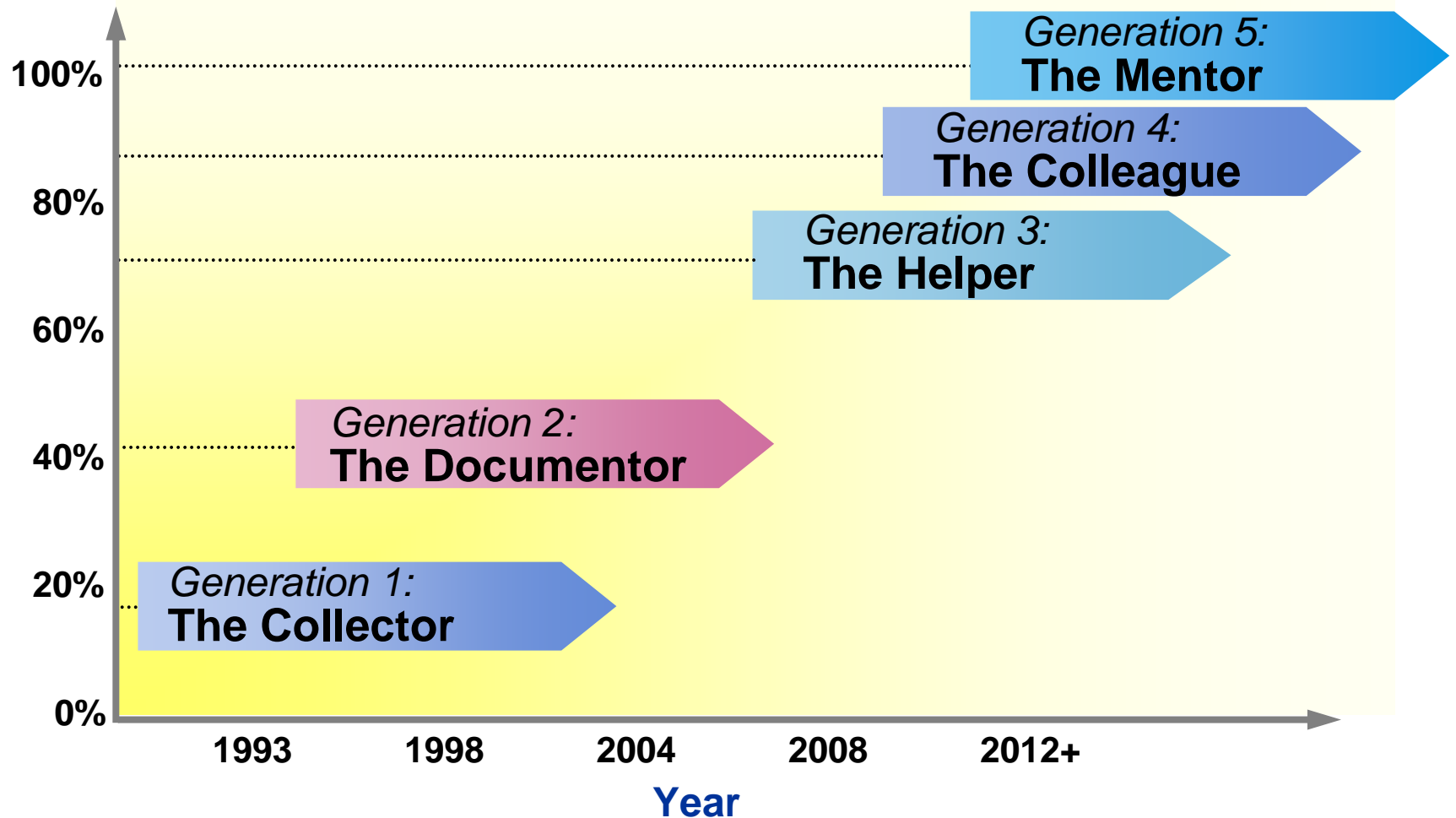
Advanced systems that provide substantial functionality for nurses, physicians and pharmacists. These systems have more decision support and workflow capabilities along with tools that permit CDOs to more easily bring EBM to the point of care.

Generation 5:
The Mentor
(Available sometime
after 2015?)

Complex, sophisticated and fully integrated context-aware systems that cover the full continuum of care and care givers, and that can actually guide clinicians when appropriate.

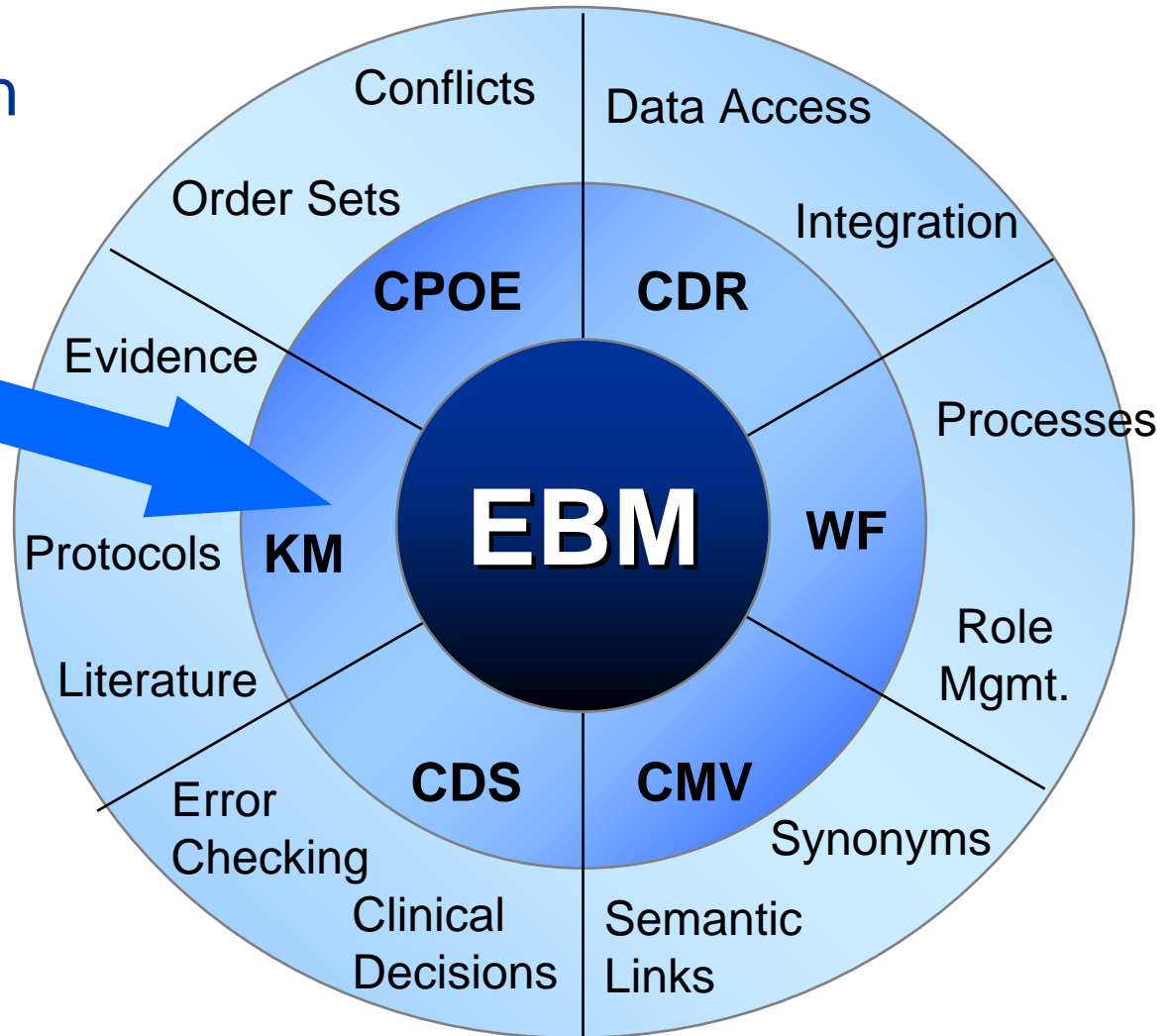
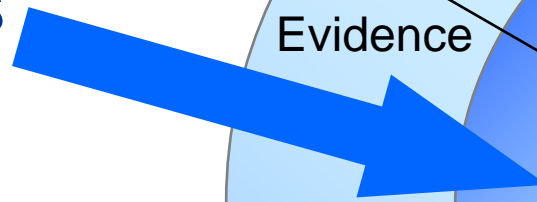
CPR Generation Impact on Medical Errors

Reduction in Preventable Errors



Generation 3 CPR Component Synergy

Generation 3 CPRs enable EBM through the provision of **six key synergistic capabilities**



CDR = clinical data repository
CDS = clinical decision support
CMV = controlled medical vocabulary
CPOE = computer-based physician order entry
KM = knowledge management
WF = workflow framework