

Accelerating the Development of Relevant Evidence in Healthcare

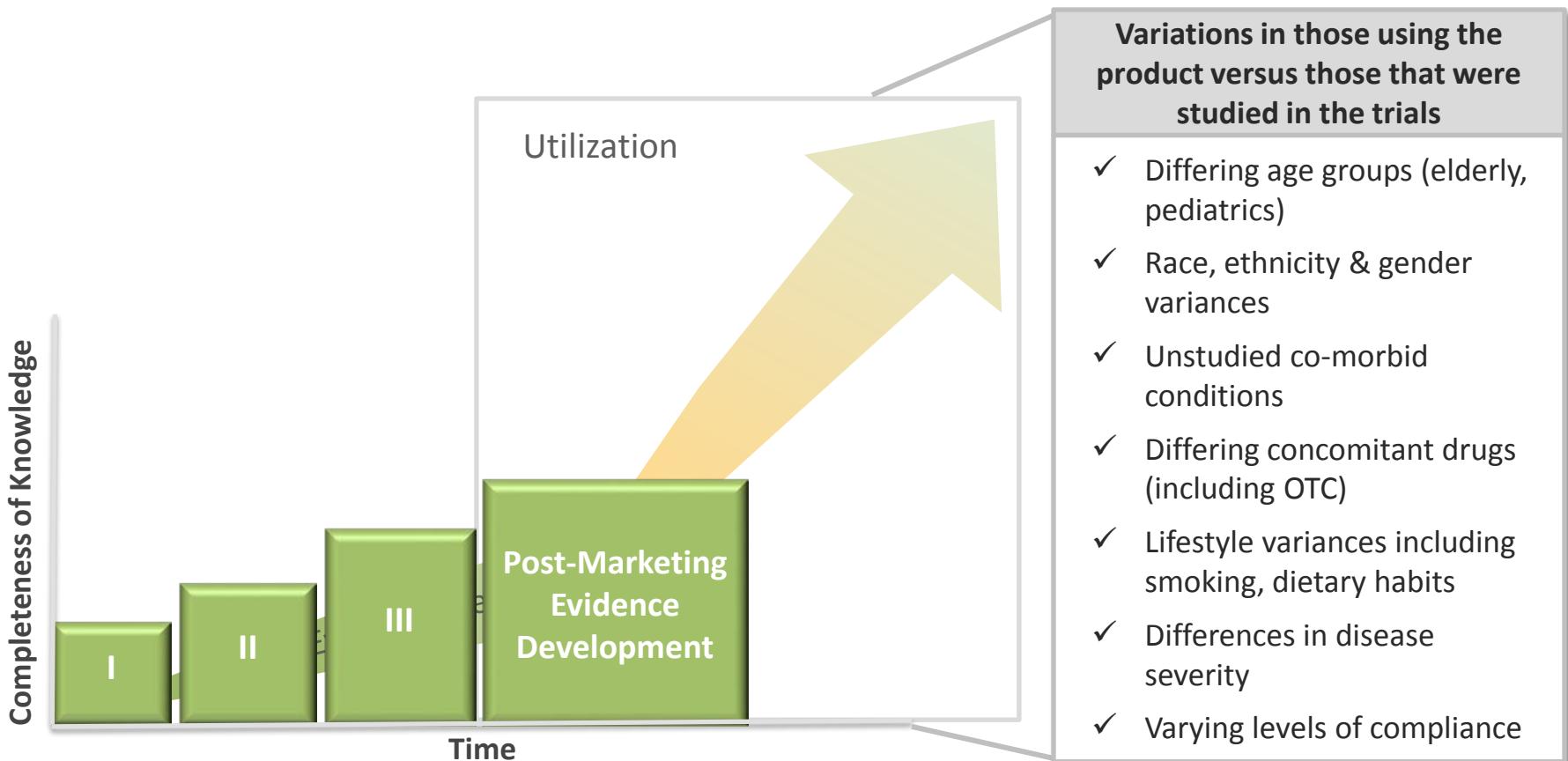
Effectively Defragmenting the View of the Patient

Marcus D Wilson, Pharm.D.
President



Clinical Trials Leave Us with a Lack of Clarity

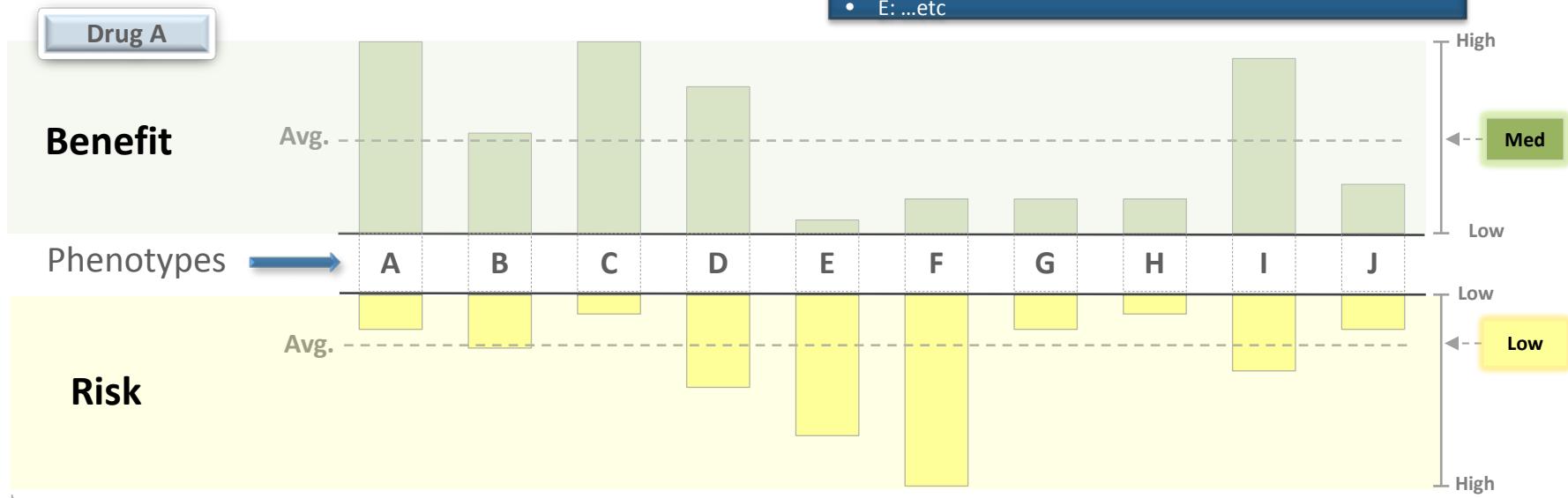
Utilization versus Evidence



Clinical Trials Leave Us with a Lack of Precision Hindrances to Effective Clinical Decision Support

Effective Decision Support helps the decision-maker assemble and weigh evidence on Benefit vs Risk for a given population or individual

Clinical trials tell us *if* a product works or *if* a product is safe, just not in *whom*



Of my available options,
which treatments should
I use?



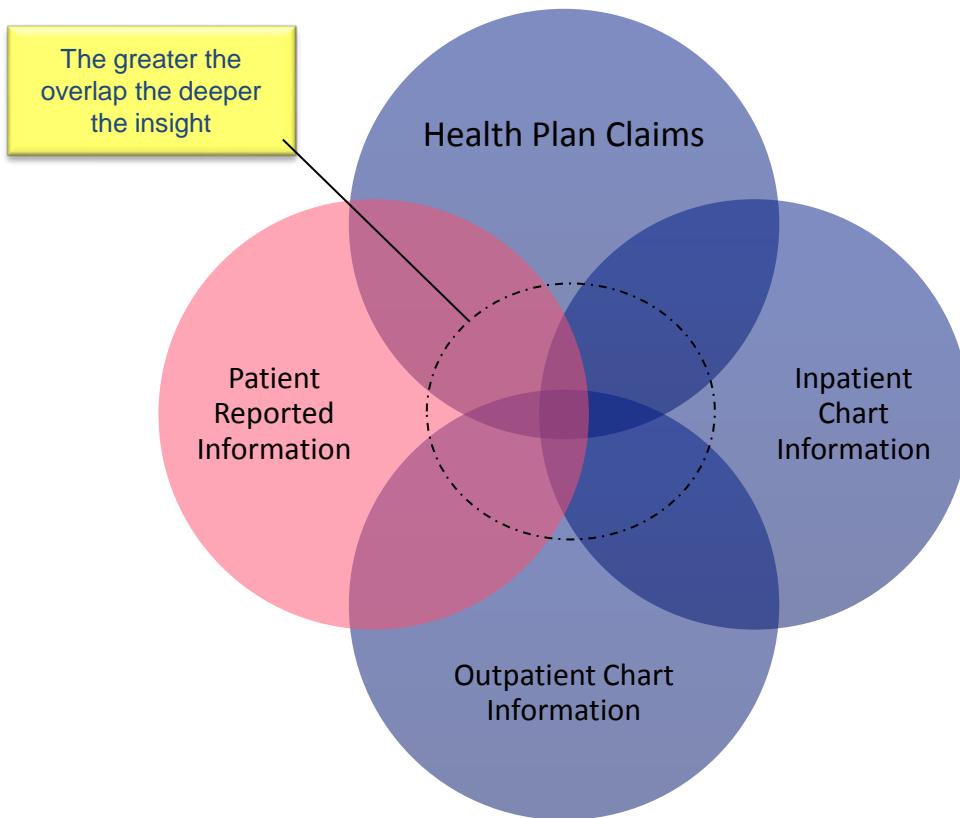
It depends...

Phenotype Matters

- A: Male, 25 yo, Cauc, no hx dz, no meds
- B: Male, 52 yo, African Am, hx CVD&OA, NSAID+BB
- C: Female, 67, Asian, post-MI&DM, ASA+OAD+ACEI
- D: Female, 54, Hisp, Hx Ca+PUD+RA, MTx+PPI
- E: ...etc

Big Data is Less Relevant than Deep Data

The Evolution of Real World Data



Each Data Source Contributes Unique Information

Health Plan Claims provides a broad view, insight into cost of care & information such as actual fill (Rx) history

Outpatient Chart Information provides rich clinical information and such endpoints as prescribed medications, lab and test results, OTC advice and reported use, family history

Inpatient Chart Information provides rich clinical information on procedures, conditions treated, medication use, lab and test results

Defragmenting the View

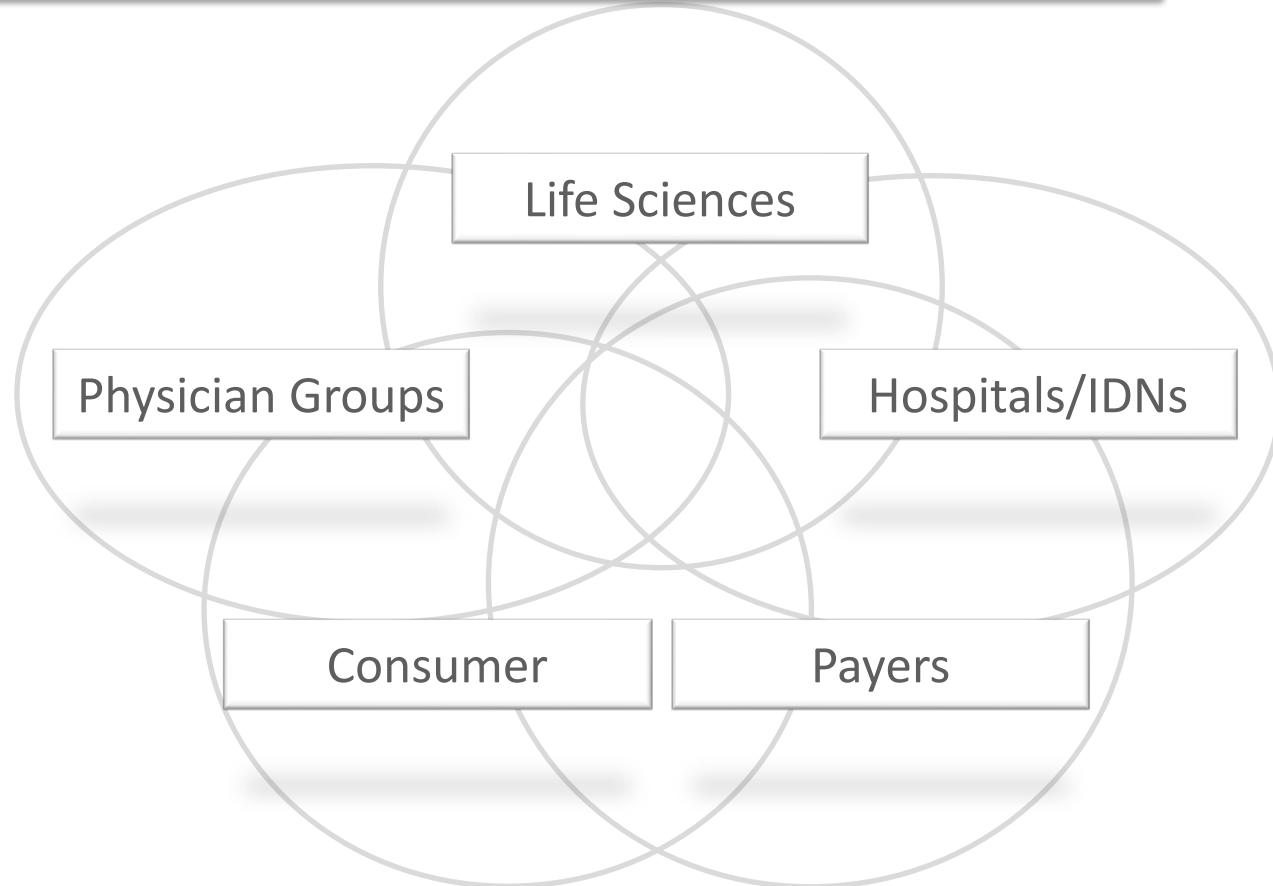


Each Stakeholders holds their data close for both defensive and offensive reasons

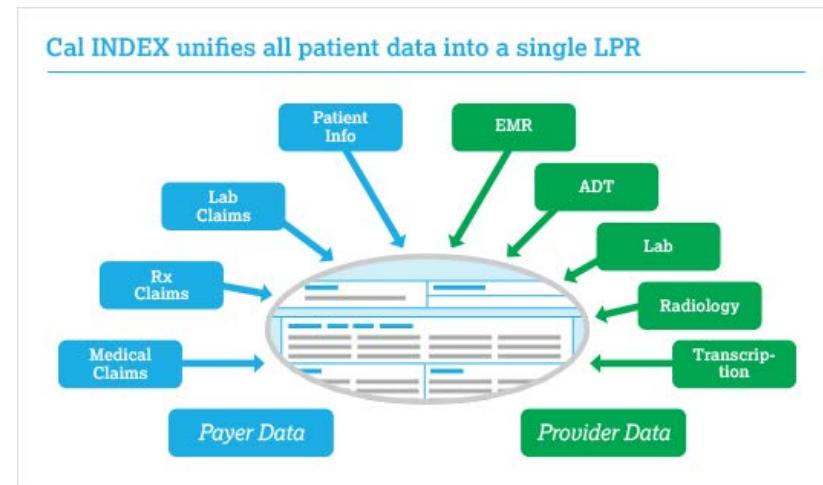
Getting the Stakeholders Onboard

We have a long history of living within a highly fragmented system

- Competing Priorities
- ◆
- Institutional Agendas
- ◆
- History of Conflict
- ◆
- Lack of Trust



California Integrated Data Exchange – Cal INDEX



The California Integrated Data Exchange is an independent, not-for-profit organization developing a statewide, next-generation health information exchange (HIE)

This comprehensive collection of electronic patient records will include clinical data from healthcare providers and health insurers

Cal INDEX will allow physicians, nurses and hospitals throughout the state to share patients' health information and will provide them with the tools to help them give their patients the safest, highest-quality care possible

Core Principles of Defragmentation

Protect patient privacy and ensure data security

Minimize data mis-adventuring

Protect the business interests of the data sources

Accelerate our progress through the RWD to RWE learning curve

Learning to Use “Big Data”

Where are we on the learning curve?

