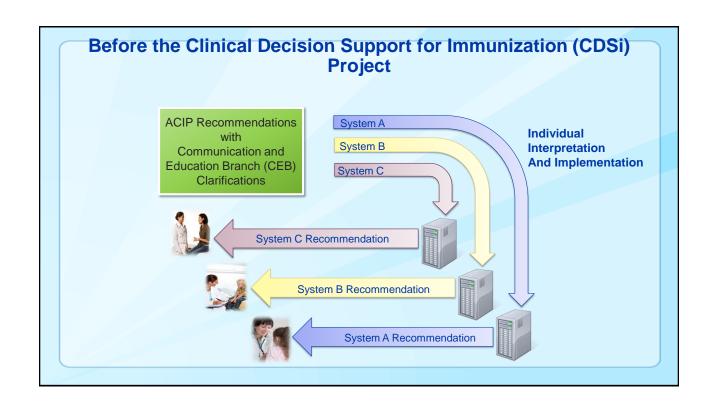
CDSi for Adults

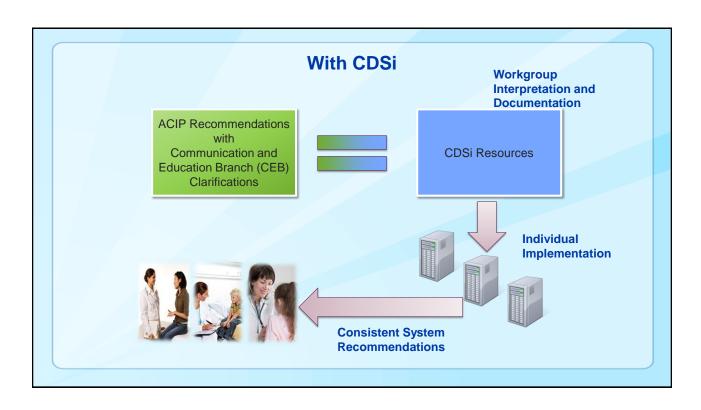
National Adult and Influenza Immunization Summit
Tuesday May 9, 2017
Eric Larson



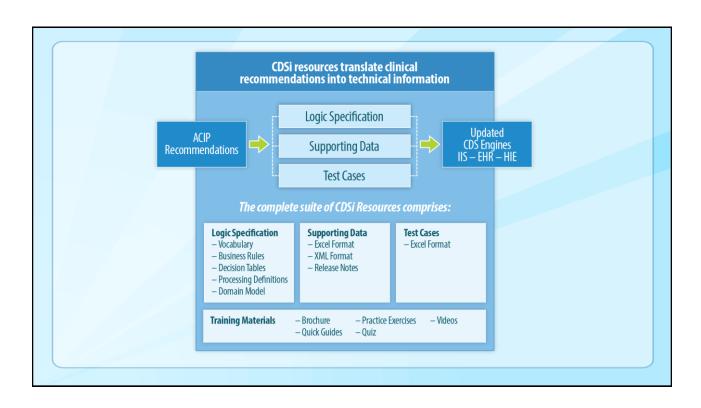
Quick Overview of the next 15 mins

- CDSi Project Background
 - What is, isn't, where it fits, and how it was developed
- □ CDSi 3.0
 - Risk factors, contraindications, immunities
 - · AKA: the really complicated stuff!
- Moving Forward
 - How can you use this?
 - How can you help improve through usage?









v1.0 - 2013 Birth through 18 Limited Immunities & Contraindications v2.0 - 2015 Birth to Death Risk Factors Immunities Contraindications Travel

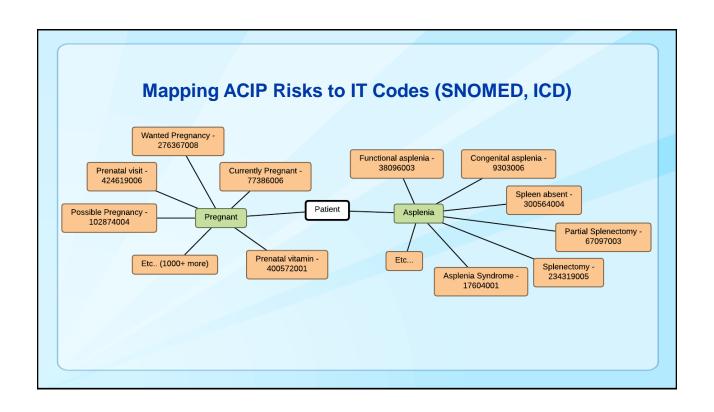
CDSi and Adults

The "Easy"

- Routine Recommendations
 - Flu
 - Zoster
 - Td(ap)
 - Pneumococcal
- Increased Risk Schedules

The "Not-so-Easy"

- · Mapping ACIP Risks to IT Codes
- Varied Language across MMWRs
- Risks not captured in IT systems
- Vague Phrases



Vaccine	Recommendation Language
Pneumococcal	"Chronic renal failure"
HepB	"Persons with end-stage rena disease"
Influenza	"Renal disorder"
Vaccine	Recommendation Language
Pneumococcal	"Chronic liver disease (including cirrhosis)"
HepA and HepB	"Persons with chronic liver disease"
Influenza	"Hepatic disorder"

Concepts Not Known to EHR/IIS

- □ It may not be reasonable for a patient's record to include certain information
- Examples:
 - "Not in a long-term, mutually monogamous relationship"
 - "Close contact with an international adoptee during the first 60 days"
 - "Travel to country with a Yellow Fever vaccination entry requirement"
 - "Microbiologists routinely exposed to Neisseria meningitides"
 - "Household contact with a pregnant woman"

What happens in Vagueness, stays in Vagueness

Vaccine	Recommendation Language	
Various	"Health care personnel"	
Does this include anyone working in a health care facility? Clinicians only? Lab staff? Front end staff?		
НерВ	"Public safety worker exposed to blood or infectious body fluids"	
What is the definition of "public safety worker"? First responders? Police? Social workers?		
Meningococcal	"Persons at risk during an outbreak"	
Does this refer to classes of people (e.g. first responders, clinicians) or activities or environmental conditions?		



Using and Improving CDSi

- · Join the CDSi Informational Workgroup
 - 100% remote participation
 - Anyone and Everyone is welcome
 - Minimally meets 3-times per year following each ACIP meeting
 - May meet more as needed/desired
 - Focus: Recent ACIP votes, recent CDSi changes, Future CDSi changes
- Use CDSi Resources
 - Training Material (designed to be short)
 - Test Cases
 - Supporting Data
 - Logic Spec
- Improve CDSi
 - Communicate with CDSi project team on questions, improvements, etc.

CDSi Contributors

CDSi panel/informational group
CDC vaccine group SMEs
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