Final Topics for Breakouts

1. INPC data quality / flow monitoring
2. Creating and sharing data quality rules
3. Adding quality improvement layer on top of native data
4. Create a synthetic realistic database for research
5. Training (AMIA 10x10)
6. Pilot project to demo the value of data
Data Detectives: Visualization as storytelling to drive change

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Goal

• To develop a pilot project to demonstrate the value of data visualization to prompt change
Benefits / Impact

• Faster, more effective action on important public health problems
• Increased public awareness to improve public health
Target Users

• Policy makers
• Business leaders
• Politicians
• Public/Voters
• Payers/Insurers
Examples

• Unexpected rise in death rates for middle-aged (45-54) white males with high school education
• Discovered by binning data in new ways
• Attributable to suicide, alcohol and opiate substance abuse
• Suggest drilldown visualizations on risk factors for suicide, alcohol and opiate abuse

http://www.nytimes.com/2015/11/03/health/death-rates-rising-for-middle-aged-white-americans-study-finds.html?_r=0
Approach

• Interdisciplinary approach
  – CDC and health researchers know data
  – Data Scientists and Visualization experts know how to visualize data
  – Policy makers know how to frame and phrase the problem strategically; they also understand what policies are viable

• Collect problems that could affect policy by storytelling
Resources Needed

• Health SMEs
• Policy Analysts
• Marketing and PR
• Data Scientists and Visualization Experts
• Advocates for change