Empowering Policymakers: Examining User-Friendly Data Analytic Tools
ALISON BUCKSER, MPH; DANIEL GILDER, MS; CHRIS COULTHARD, MS; JEN ASSOCIATES, INC., CAMBRIDGE, MA

How large data sets are used to address important public health issues.

To make informed decisions, policymakers need to better understand the consequences of different options they face. Handling large data sets can determine the drivers of cost, quality, and access within care. Thus, large data sets can drive discussions around prevention and wellness for all populations at all ages. Policymakers can use large data sets to:
- Track quality indicators to measure how well a program is achieving its quality outcomes.
- Track the number of emergency room visits in a state would show how often individuals have acute episodes that are severe enough to lead them to the emergency room. This would help policymakers judge whether specific interventions are helping or not.
- Improve healthcare fraud detection and prevent payment of false healthcare billings.
- Analyzing submitted hospital data could help identify and prevent suspicious activity and fraudulent behavior. This would help hospitals avoid fraudulent billings by using newly developed best practices.

Policymakers often work with diseased or injured individuals eligible for intervention strategies.

Examine how access to prescription design, and health outcomes under Part D has changed for dual eligibles.
- Analytic can determine whether clearly eligible individuals with specific chronic disease experiences a disruption of pharmacy benefits under Medicare Part D that could put them at an increased risk for negative health outcomes.

Understand high cost/ high need populations in order to target and design programs for these populations.
- Conduct program evaluations focusing on the effectiveness of a new program against goals and outcomes.
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TIP-OF-THE-ICEBERG ANALYSIS IN 6 STEPS AND UNDER 5 MINUTES.

Step 1: Start off with a new chart and select the built data elements.
Step 2: Click the + sign shows the data element definitions, including ICD-9 codes.
Step 3: Search for specific data elements.
Step 4: Choose the data element, users can also create customized data elements.
Step 5: Drag a data element here to start creating a chart.
Step 6: Download charts into Excel and Powerpoint.

How analytical tools should be designed for policymakers.

Database analytic models need to be designed so that policy analysts can delve into the data sets themselves. Based on this recommendation, rates of heart attacks and strokes observed in at-risk individuals fell by 60 percent during a two-year period.

Policy makers can analyze large data sets to:
- Examine how access to prescription design, and health outcomes under Part D has changed for dual eligibles.
- Confront the prevalence of chronic conditions. Based on this recommendation, rates of heart attacks and strokes observed in at-risk individuals fell by 60 percent during a two-year period.

Payments to Medicare Advantage plans (MAs) will differ from the PMPM (per member per month).

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Tip-of-the-iceberg analysis in 6 steps and under 5 minutes.

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