Strategies for Collecting and Using Data More Effectively (or, Learning from Doing the Opposite)

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A bit about Williamson County, TX

http://www.healthywilliamsoncounty.org

http://www.wcchd.org
Williamson County & Cities Health District

- We’re a Health District, not a Health Department
- Comprised of member cities and the county (Round Rock, Cedar Park, Georgetown, Leander, Liberty Hill, Taylor)
- Represented by a strong Board of Health
- The Board sets the priorities for the District
- We work collaboratively with community stakeholders via the WilCo Wellness Alliance
Learning Objectives

- Provide examples of DSRIP projects demonstrating coordination and partnerships to collect and share data; identification of best practices
- Summarize the data challenges of several of our projects
- Explain what worked for us, and what didn’t
What are our projects?

- Clinical Preventive Services
- Patient Navigation
- REAL Data
- Health Promotions and Wellness
- Childhood Obesity
- Community Paramedicine
- Access 2 Care
What data do we collect?

- Appointments at our four clinics
- Services provided
- Eligibility tracks
- Immunizations data
- Community Paramedicine encounters
- Hypertension subset
- CHF readmission
- Laboratory data for STI testing
- Community clinic encounters
- Social media and outreach events
- REAL data across the agency
- Client satisfaction questionnaires
- BMI/nutrition/physical activity counseling
- Health education class rosters
How do we use these data?

- Tracking progress
- Semi-annual reporting
- Performance Management
- Internal Quality Improvement
- Adaptive Leadership
- Are we making a difference?
Tracking and Improving

![Graph showing Actual vs. Target cumulative total encounters by week. The graph indicates a steady increase in encounters over the weeks from July to early September.]
Planning Interventions

IT-1.7: Controlling High Blood Pressure - DY4

- DSRIP Target = 62.35%
- % of patients with most recent BP < 140/90
### Your public health department

#### More Examples

<table>
<thead>
<tr>
<th></th>
<th>% of Total</th>
<th>G3 Classes</th>
<th>Sports Physicals</th>
<th>Title V</th>
<th>Head Start</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMI Documented</td>
<td>83.9%</td>
<td>21</td>
<td>13</td>
<td>0</td>
<td>159</td>
<td>193</td>
</tr>
<tr>
<td>Nutrition Counseling</td>
<td>78.3%</td>
<td>21</td>
<td>0</td>
<td>0</td>
<td>159</td>
<td>180</td>
</tr>
<tr>
<td>Physical Activity</td>
<td>78.3%</td>
<td>21</td>
<td>0</td>
<td>0</td>
<td>159</td>
<td>180</td>
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<tr>
<td>Counseling</td>
<td></td>
<td></td>
<td></td>
<td>37</td>
<td>159</td>
<td>230</td>
</tr>
<tr>
<td>Total Participants</td>
<td></td>
<td>21</td>
<td>13</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CHASSIS Race Field (n=55,651 clients)

- Blank, unknown, or unreported: 34,175 (61%)
- Completed: 21,476 (39%)

CHASSIS Ethnicity Field (n=55,651 clients)

- Blank, unknown, or unreported: 36,179 (65%)
- Completed: 19,472 (35%)

CHASSIS Language Field (n=55,651)

- Blank, unknown, or unreported: 43,999 (79%)
- Completed: 11,652 (21%)
What can you learn from our foibles?

- Try not to switch laboratories mid-DSRIP year
- Before you put data in a system, make sure you can get it out
- Know your HIPAA!
- Encrypt, deidentify, or die
- Make use of your data nerds
- Never delete the primary key
- Check all of your assumptions
- Learn to cross-check and double check your work
- QC, QA, and QI
Thank you for your time.

Questions and comments?