Community Health Assessment: An Overview Exemplar - Cancer

Billy U. Philips, Jr., Ph.D., M.P.H.
Executive Vice President and Director
The F. Marie Hall Institute for Rural and Community Health
F. Marie Hall Chair and Professor
Family and Community Medicine (School of Medicine)
Public Health (Graduate School of Biomedical Sciences)
Greetings to all my CPRIT friends,

Last week, while at APHA in Atlanta, I had a little health event that ended with a couple of days in the hospital at Emory University Midtown.

It was not life threatening but a flare-up of a 30 year chronic condition that is normally well controlled with medication that I had forgotten to pack. State prescribing laws being what they are I was unable to get replace medicine and the rest is history. Nevertheless, now that I am back home in Lubbock, and my physician has asked me not to travel out of an abundance of caution until he is certain that I completely recovered.

That might not have been enough for me to miss the CPRIT meeting and the honor to present with my friend and colleague, but my wife is very persuasive in such matters.

Please accept my apologies and enjoy the next 45 minutes learning all you can from someone who would have carried the presentation even if I had been able to be with you. Best Wishes – Billy Philips
Community Health Assessment

What is it?

- A deliberate process to engage those people in key steps to identify needs, assess capacity, influence resources, and resolve differences (conflicts).
- A deliberate effort to involve people that are members of a community.

What do we mean by Community?

- Communities as defined by common geography.
- Communities as defined by common purposes.
- Communities as defined by common needs.
- Communities as defined by accountability.

“Community Health Planning”, American Health Planning Association, December, 2008 by John Steen
Community Health Assessment

Why do it?

• To constitute a community benefit.
• To equip the community to sustain itself.
• To invest the community in the process.
• To engender community accountability.

Think about Communities again.

• Information about community – health status, health problems, health resources, decision-making, and value systems.
• Resources for engagement.
• Assets for sustainment.
Community Health Assessment

How does it work?

“Realizing the vision of Healthy People in Healthy Communities is possible only if the community, in its full cultural, social, economic diversity, is an authentic partner in changing the conditions for health.”

Think about these factors.

- People – demography
- Community themes/history
- Health systems/providers
- Forces of change
- Asset mapping/mobilization
- Categorical health programs
- Economic development
- Mechanisms for Dialogue

Community Health Planning

What will we gain?

- Information
- Collegiality and trust
- Capital formation – social, political and economic
- New allegiance and partnerships
- Informed citizenry
- Better public health practices
- Civic participation
- Informed policy and programs

Think about yourself relative to:

- Are we agents for change?
- Are we recipients of change?
- Are we prepared for change?
- Are we able to accept change?
Community Health Improvement Process (CHIP) Model


Prioritize Health Issues

Analysis and Implementation Cycle
Rural County Health Economic Impact and Workforce Analysis

For Runnels County

Developed by Prairie AHEC (Area Health Education Center)
A regional center of West Texas AHEC based at the Texas Tech University Health Sciences Center
April 2010

In partnership with the Texas State Office of Rural Health
Texas Department of Rural Affairs

www.texasruralcountyhealth.org
Focus Group Questions

• County Health Needs
• Priority Health Needs
  – Insurance
  – Perception of Infrastructure
  – Vulnerable Populations
  – Key Health Concerns (Cancer)
• County Economic Issues
• Inter/Intra-county Cooperation
Telephone Survey Questions

• Sources of Health Information
  – Most Trusted Sources

• Health Insurance Coverage
  – Reasons for lack of coverage
  – Access to care issues

• Usual sources of care

• Family Composition
  – Children
  – Children’s Health Issues

• Family Health Needs
  – Family Planning
  – Chronic Diseases
  – Behavioral Health Issues
  – Mental Health Needs
    • Access Issues
    • Service Utilization
  – Safety & Family Relations
  – Infectious Diseases
  – Immunization Status
  – Health Promotion
  – Environmental Health Issues
  – Nutritional Habits
  – Tobacco Use
  – Alcohol and Substance Use

• Demographic Information
  – County of Residence
  – Nativity / Ethnicity
  – Language Spoken at Home
  – Educational Attainment
  – Income
County Profile Data

Runnels County
Community Health Needs Assessment Index

Runnels County
Vulnerable Populations Index

Runnels County
Demographic Risk Index

Runnels County
Health Outcomes Index
Main Findings

- Primary Care
- Maternal & Child Care
- Cancer Care

Table 2b
Estimated Total Physician Office Visits by Females for Runnels County, TX

<table>
<thead>
<tr>
<th>Age</th>
<th>2008 Population</th>
<th>Visit Rate</th>
<th>Female Visits Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;15</td>
<td>976</td>
<td>2.6</td>
<td>2,538</td>
</tr>
<tr>
<td>15-24</td>
<td>652</td>
<td>2.4</td>
<td>1,565</td>
</tr>
<tr>
<td>25-44</td>
<td>1,063</td>
<td>3.0</td>
<td>3,189</td>
</tr>
<tr>
<td>45-64</td>
<td>1,434</td>
<td>3.9</td>
<td>5,593</td>
</tr>
<tr>
<td>65-74</td>
<td>519</td>
<td>6.0</td>
<td>3,114</td>
</tr>
<tr>
<td>75+</td>
<td>686</td>
<td>7.3</td>
<td>5,008</td>
</tr>
<tr>
<td>Total</td>
<td>5,330</td>
<td></td>
<td>21,007</td>
</tr>
</tbody>
</table>

Table 2c
Estimated Total and Estimated Primary Care Physician Office Visits for Runnels County, TX

<table>
<thead>
<tr>
<th></th>
<th>Total Population</th>
<th>Total Office Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Runnels County</td>
<td>10,273</td>
<td>35,436</td>
</tr>
<tr>
<td>Total Estimated Primary Care Physician Office Visits (58.3%)</td>
<td>20,659</td>
<td></td>
</tr>
</tbody>
</table>

Table 4
Patient Care Support Volume Runnels County

<table>
<thead>
<tr>
<th>Service</th>
<th>2008 **</th>
</tr>
</thead>
<tbody>
<tr>
<td>Births Delivered in County, 2008 *</td>
<td>135</td>
</tr>
<tr>
<td>In-Patient Hospital Census, 2008 **</td>
<td>1858</td>
</tr>
<tr>
<td>Emergency Room visits, 2008 **</td>
<td>3324</td>
</tr>
<tr>
<td>Nursng Home Resident census, 2008 ***</td>
<td>1644</td>
</tr>
<tr>
<td>Surgery Case Count, 2008 **</td>
<td>0</td>
</tr>
</tbody>
</table>
