Health IT for Faith-Based Organizations?

Primary Care Information Project
NYC Department of Health & Mental Hygiene
5/9/13
Primary Care Information Project

- PCIP started as a mayoral initiative in 2005

- Mission
  - Improve the quality of care in medically underserved areas through health information technology (HIT)

- Success
  - Over 7,450 providers receiving EHR and Meaningful Use assistance
    - 1064 small practices; 31 large practices
    - 63 community health centers
    - 54 hospitals & outpatient clinics
Health Department trains and equips community groups to offer regular BP monitoring and counseling.

Evaluation\(^1\) of “Keep on Track” in senior centers found:
- 4 mmHG SBP reduction over six months among repeat participants
- But only 43% of participants returned for a second screening over six months

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Could information technology strengthen Keep on Track?

Brooklyn Faith-Based High Blood Pressure Taskforce - October 2010

11 church leaders running the “Keep on Track” blood pressure monitoring program identified two problems

1. **Difficult to keep track of members with high BP readings for regular follow up**

2. **Difficult for the church community to track trends and set goals for program participation and health outcomes**

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**KEEP ON TRACK/SIGA EN CAMINO**

**PARTICIPANT RECORD CARD/TARJETA DE REGISTRO**

- **#** (for DOHMH use only)
- **Name/Nombre**
  - **Last Name/apellido**
  - **First Name/Nombre**
- **Date of Birth/Fecha de Nacimiento**
- **Address/Dirección**
  - **Street/Calle**
  - **Apartment Number/Número**
  - **City/Ciudad**
  - **State/Estado**
  - **Zip/Código**
- **Telephone/Telefóno**
- **Are you/Usted es**: **Male (hombre)/ Female (Mujer)**

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1. **Have you ever been told you have high blood pressure? Yes / No**
   - ¿Le ha dicho un médico/proveedor de salud que tiene presión arterial alta? Sí / No

2. **If yes, do you take blood pressure medication? Yes / No**
   - ¿Tiene medición arterial alta, usted toma medicación para la presión? Sí / No

3. **As of this first visit, do you have a regular place where you get health care? Yes / No **
   - ¿En su primera visita, Uds. tiene un lugar donde recibe su cuidado médico? Sí / No

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**Emergency Contact Name/Contacto para emergencias**

- **Telephone/Telefóno**
- **Relation/Relación**

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**If no doctor, please advise participant to call 311 for a referral and give “How to Find a Doctor” bulletin **

**Si no tiene médico, favor de avisarle al participante que llame al 311 y darle el boletín “Cómo Encontrar un Médico” **
Helping Lay Health Workers Follow Up with Members Whose BP Readings Suggests Highest Risk of Adverse Health Events

Health Ministry will encourage these congregants attend the next healthy cooking class.
Allowing Health Ministries to Track Trends in the **Overall** Health of Participants and Report on Successes
Printed Charts of Community BP for Patients to Take to Physicians

Progress Report
For the Period: Jun 7, 2011 - Nov 7, 2011

JOSEPH ALVAREZ
Male, 56 years old (Mar 2, 1955)
Member of SJC: Afternoon Service

Blood Pressure Chart

Blood Pressure Readings (Last 30)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Systolic</th>
<th>Diastolic</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/11/2011</td>
<td>9:57 AM</td>
<td>164/93 mmHg</td>
<td></td>
</tr>
<tr>
<td>04/11/2011</td>
<td>9:59 AM</td>
<td>162/90 mmHg</td>
<td></td>
</tr>
<tr>
<td>02/11/2011</td>
<td>11:45 AM</td>
<td>159/86 mmHg</td>
<td></td>
</tr>
<tr>
<td>27/10/2011</td>
<td>2:14 PM</td>
<td>155/83 mmHg</td>
<td></td>
</tr>
<tr>
<td>24/10/2011</td>
<td>11:46 AM</td>
<td>151/87 mmHg</td>
<td></td>
</tr>
<tr>
<td>14/10/2011</td>
<td>11:51 AM</td>
<td>141/83 mmHg</td>
<td></td>
</tr>
<tr>
<td>11/10/2011</td>
<td>5:43 PM</td>
<td>129/88 mmHg</td>
<td></td>
</tr>
<tr>
<td>11/10/2011</td>
<td>2:10 PM</td>
<td>124/84 mmHg</td>
<td></td>
</tr>
<tr>
<td>07/10/2011</td>
<td>3:02 PM</td>
<td>124/82 mmHg</td>
<td></td>
</tr>
<tr>
<td>04/10/2011</td>
<td>1:55 PM</td>
<td>122/75 mmHg</td>
<td></td>
</tr>
<tr>
<td>30/09/2011</td>
<td>3:10 PM</td>
<td>110/63 mmHg</td>
<td></td>
</tr>
<tr>
<td>29/09/2011</td>
<td>12:47 PM</td>
<td>105/59 mmHg</td>
<td></td>
</tr>
<tr>
<td>29/09/2011</td>
<td>12:44 PM</td>
<td>108/66 mmHg</td>
<td></td>
</tr>
<tr>
<td>27/09/2011</td>
<td>3:53 PM</td>
<td>116/78 mmHg</td>
<td></td>
</tr>
<tr>
<td>26/09/2011</td>
<td>5:52 PM</td>
<td>114/76 mmHg</td>
<td></td>
</tr>
<tr>
<td>21/09/2011</td>
<td>8:50 PM</td>
<td>116/77 mmHg</td>
<td></td>
</tr>
<tr>
<td>15/09/2011</td>
<td>8:50 PM</td>
<td>114/76 mmHg</td>
<td></td>
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<tr>
<td>08/09/2011</td>
<td>8:50 PM</td>
<td>116/76 mmHg</td>
<td></td>
</tr>
<tr>
<td>01/09/2011</td>
<td>8:50 PM</td>
<td>118/75 mmHg</td>
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<td>25/08/2011</td>
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<td>116/78 mmHg</td>
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<td>116/76 mmHg</td>
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<td>04/08/2011</td>
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<td>124/86 mmHg</td>
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<tr>
<td>28/07/2011</td>
<td>8:50 PM</td>
<td>142/102 mmHg</td>
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Are People Using the Community Health Dashboard?

5 Brooklyn Churches
- Berean Baptist
- Christian Fellowship
- God’s Battalion
- House of the Lord
- Mamre SDA

The avg. health ministry has enrolled 52 people and recorded 118 BP readings. This is a rough avg. of 20% of the congregation.

The avg. prevalence of high and borderline blood pressure is 52% and 29%.
Making Better Technology?

Version 1

Version 2
Dear Pastor [name],

Over the last six months, your health ministry has done something ground-breaking and new. You've started offering your congregants Personal Health Records, connected with a Community Health Dashboard. This allows you to keep track of people with high blood pressure and to take credit for all the work of your ministry.

1. The Department of Health now has access to the individual health information of your congregants.
2. This data not only protects what you and your congregants have entered into the Dashboard, it also means that there is more work that you are doing that gets left out.

How many people have signed up for the Community Health Dashboard?

40 congregants from Mamre have signed up with the Community Health Dashboard.

The average church taking part in this pilot has 33 congregants signed up, so Mamre is doing really well! In fact, out of the 3 churches we've piloted the Dashboard in, Mamre has enrolled the highest number of people. It appears that everyone has been slow for dashboard enrollment so we hope that fall will be a time to re-engage people. The charts below show your progress succeeding congregants compared to our other partners and by month.

Mamre Leads in Tracking Congregants for High BP

Who is using the Dashboard?

Only 37.5% of the people enrolled in the Dashboard are men. How can you encourage the male population of your congregation to get involved?

Comparisons to other participating church, to encourage a bit of friendly community competition

Baseline prevalence of high and borderline BP among community population

Improving Health at Mamre

50% of Mamre congregants who are signed up for the Dashboard had high blood pressure at their last reading. This is 20 people in your congregation who are at elevated risk for heart attack and stroke. What can we do about it?

The most important causes of high blood pressure are:
- Not having a regular doctor
- Not taking medications regularly
- High salt diet
- Not getting regular exercise

Which of these factors is most important for your congregation, and what can we do to empower your congregants to live, long, healthy lives?

Comparison of church population estimate to neighborhood prevalence

How many Blood Pressure readings are recorded in the Community Health Dashboard?

As of the end of August, 90 blood pressure readings have been recorded in the Dashboard at Mamre. The average church participating in the Dashboard pilot has 33 blood pressure readings. The chart below shows your progress in recording blood pressure readings in the Dashboard. It appears that the summer months were quiet for collecting blood pressure, but we hope to ramp things up this fall.

What percentage of the church is enrolled in the Dashboard?

When we started this pilot program, we estimated that there are around 460 people who attend regularly at Mamre. With this estimate, about 10% of the church is signed up. Based on the Health Department’s annual Community Health Survey, we think that about 11% of Flatbush residents have high blood pressure, so there are probably about 124 people at your church with high blood pressure or hypertension. We hope that the Community Health Dashboard is a useful tool for helping track people with high blood pressure and helping them lower their risk and prevent heart attacks and strokes in your community.

Let's talk about this report and set some goals to work together for better health! If you have questions, contact Thomas Canini at mammre@nyc.gov or 718-497-6561.
Thanks