



SAMHSA-HRSA Center for Integrated Health Solutions

Using Data to Inform Patient Care

Miami Behavioral Health Center
San Francisco Department of Public Health
Monday, August 11, 2014

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Data as a Tool for Integrated Care

Emy Lou Pesantes, MBA, MSW
Banyan Health Systems
(Miami Behavioral Health Center)
Miami, Florida

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About the Speaker

Ms. Pesantes, MSW, MBA is the Director of Research and Development at Banyan Health Systems (founders of Spectrum Programs, Inc. and Miami Behavioral Health Center). Ms. Pesantes received her M.S.W. and M.B.A. at Florida International University. She has been involved with managing the process evaluation efforts for SAMHSA programs: a Center of Excellence, the System of Care change in Miami-Dade County, a primary and behavioral health care integration, and a Consumer driven grant. Prior to that experience she collected data and implemented an intervention for an NIH funded project with high school students.

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Why is data important?

- Informs audience
- Informs decisions
- Educates consumer

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Methodology for Evaluation Reports



Dissemination Rationale

- Feedback loop
- Big picture
 - Create user friendly Evaluation Updates to inform
- Conduct focus groups with consumers to inform
- Have discussions with project team highlighting areas of improvement and challenges

Personalized Feedback Report



Sam, here are your most recent physical health indicators:

The physical health indicators we collect tell us whether your health is at risk. The chart below highlights the areas where you have improved.

| Physical health indicators | Baseline 10/12/12 | 6M | 12M | 18M | 24M |
|--|----------------------|------------|------------|------------|------------|
| Weight | 113 | | | | |
| Body Mass Index (BMI) You body fat based on your weight and height At risk 25 or higher | 18 | | | | |
| Blood Pressure The force of your heart pumping blood through your veins At risk 140 or higher | 117 | | | | |
| Cholesterol How much sugar is in your blood At risk 170 or higher | 89 | | | | |
| HDL Another measure of how much sugar is in your blood At risk 57.5 or higher | 5.0 | | | | |
| Total cholesterol At risk 200 or higher | 180 | | | | |
| LDL cholesterol Good cholesterol At risk 130 or higher | 74 | | | | |
| VLDL cholesterol Bad cholesterol At risk 120 or higher | 80 | | | | |
| Triglycerides Fats carried in blood like excess calories, alcohol, or sugar At risk 150 or higher | 83 | | | | |
| You rated your overall health as: | Poor | Choose one | Choose one | Choose one | Choose one |

Recommendations (to be completed by the Wellness Coordinator)

Goals (to be completed by Sam):



Your next appointment is on:

Reviewed by:

(Sam's signature)

(Wellness Coordinator signature)



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Medical Progress Report

[illegible][illegible]

Please note:

Please note:
Highly Favorable: Person served improved more than 75% of his /her health indicators
Favorable: Person served improved more than 50% of his /her health indicators
Stable: Person served did not present any improvement
Unfavorable: Person served's health indicators show that his/her medical conditions have

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Implement feedback

- Wellness coordinator added information based on meeting with consumers
 - Added information that would give consumers more detailed information about health factors
 - Notes for recommendations
 - Assessment of progress
- Wellness coordinator kept most meaningful information

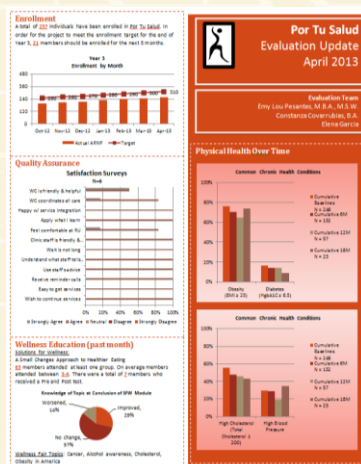
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Monthly Data Profile Samples



- Enrollment
- Quality Assurance
- Wellness Education
- Physical Health Characteristics

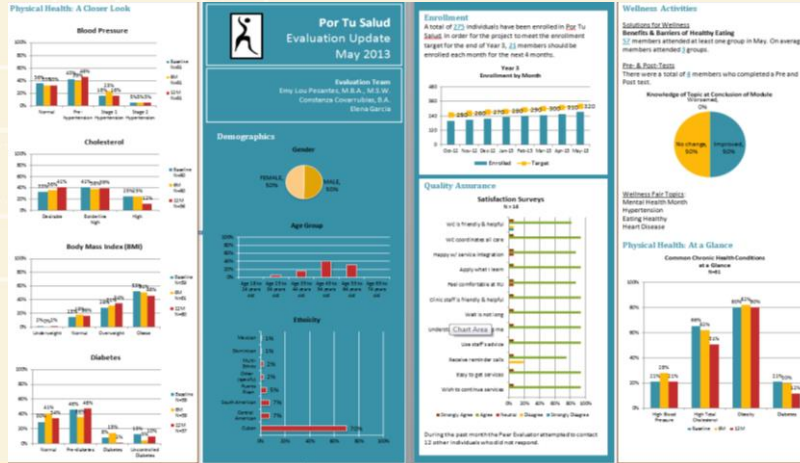
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Monthly Data Profile



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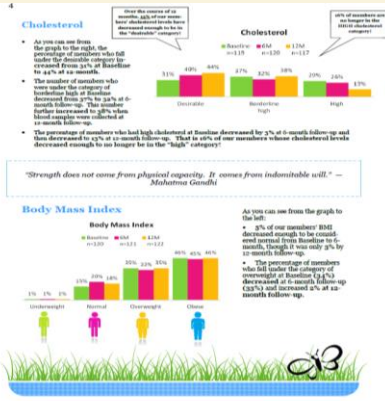
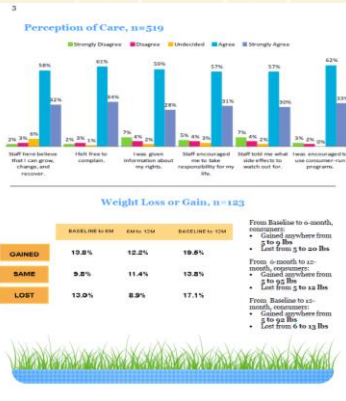
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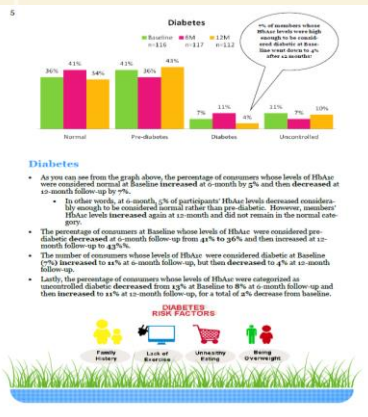
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How was data used to make decisions?

Project Team

- Focused on the areas that were a challenge during monthly staff meetings.
- Incremental changes are important
- Introduced topics for areas that were continuously a challenge
- Addressed individual consumer needs

Executive Management

- Used data for funding opportunities
- Had material to inform board

Lessons Learned

- Provide feedback earlier on
- Involve consumers in the process
- Data drives decisions
- Be creative in the use of data, stray away from the norm
- Use data to educate consumers

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Data visualization as a tool for integrated care

How to demystify data and turn it into action

Elisa Gill, Lead Evaluator

Alberto Perez-Rendon, Project Manager

San Francisco Department of Public Health

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Presenters:

Elisa Gill is the lead evaluator of the PBHCI program at South of Market Mental Health, where she has worked as part of an onsite evaluation team for two years. She is interested in telling stories with data and advancing data-driven quality improvement in the public sector. She has a B.A. from Boston University, where she also worked as a program evaluator and public health research assistant.

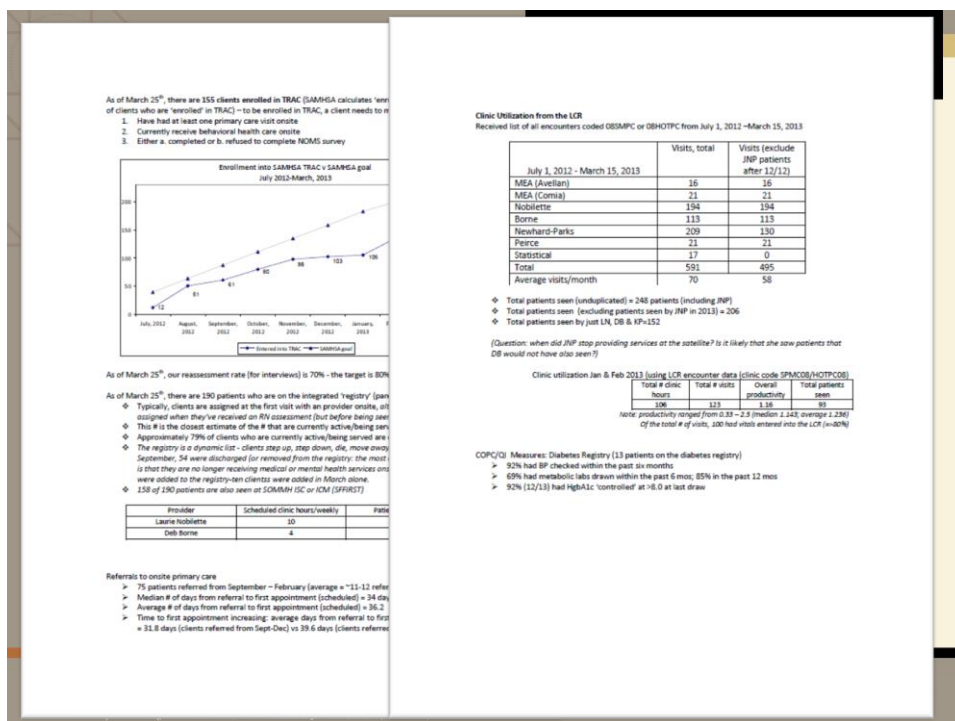
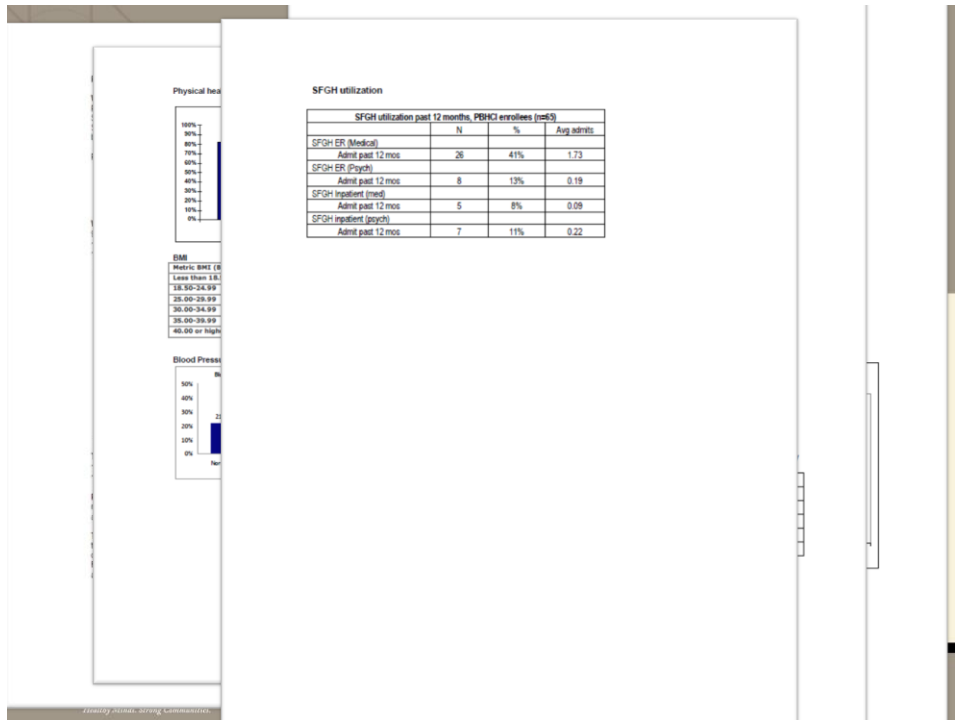
Alberto Perez Rendon is the current project manager of the PBHCI program at the South of Market Mental Health Clinic in San Francisco. He has over a decade of experience in planning, implementation and evaluation of public health programs in the non-profit and public sectors. Alberto has worked in both primary care and in mental health settings which gives him a good understanding of the challenges and opportunities encountered in the processes of integration.

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10/11/2013
Measure
by Eliza Gil

PHC Update 9/11/2013
Enrollment, Referral, Utilization and Selected Clinical Measures
Prepared by Eliza Gil

No shows:

- New paper sy

Clinic assignment v
Source: LCR and I2)

As of September 11, approximately 25% at onsite. Clients who at onsite – the list may

Clinical indicators
Source: I2)

| |
|------------------|
| Total patients |
| Total patients |
| Gender: Female |
| Gender: Male |
| Age: 18-64 |
| Age: 65 & up |
| Screening for: |
| Blood pressure |
| Smoking status |
| Lipids screenin |
| Lipids screenin |
| Adult immuniz |
| Pneumococcal |
| Pneumococcal |
| Cancer screen |
| Eligible, female |
| Mammogram i |
| Eligible, female |
| Mammogram i |
| Eligible, female |
| Pap smear in p |
| Eligible, adult |
| Facial blood tes |
| Chronic condit |
| Diabetes (rati |
| Pain mgmt reg |
| Hepatitis B (pr |
| Hepatitis C (pr |
| HIV |

Wellness

(placeholder – we intend to include a routinized wellness evaluation beginning next month and are meeting with wellness team to plan next week)

Highlights:

Challenges:

Suggestions

Clinic communications, QI and flow

Highlights:

- Implementation of weekly operations meeting, allowing all staff to regularly meet to resolve clinic-wide issues

nd 3.
rate
to
Clients

Productivity of Tom Waddell Health Clinic at South of Market Mental Health

Background:

One critical measure of a clinic's sustainability and capacity to provide services to clients is its productivity rate. We already know that the no-show rate at TWHC is high (around 50%), but its total productivity rate could better indicate how its current strategy of adding drop-ins to counteract no-shows is working, as well as indicate clinic sustainability.

Question:

What is the productivity rate for the south of market mental health primary care clinic over the last 2 months?

Results:

| Productivity at TWHC | |
|----------------------------|---|
| Productivity rate | .94 clients/hour |
| Clinic hours per visit | 1.06 hours or 64 minutes |
| Average clients per clinic | About 4 clients per 4 hour clinic session |

| | |
|--|-----|
| Total possible visits in 2 month period* | 212 |
| Completed visits | 100 |

*given 14 clinic hours/week and 30 minutes/spt

Methods:

Productivity = #visits / #clinic hours

- How do we track # of visits for a given period?

of visits in last x days = # of blood pressure dates entered into LCR within last x days, using population of TRAC-enrolled clients

Explanation:

We want to track the number of completed appointments for a given period, but SOMMH does not consistently track whether clients show up to their appointments or not. For example, within the past 60 days, the no-show data for about half of the clinic sessions is missing.

Best proxy to use for counting completed appointments within a given period is to count blood pressure dates entered into LCR during that period, as clients should always get their BP taken at appointments. (Clients who have their BP taken but are not seen by a medical provider most likely only have their BP entered into Avatar)

Limitations

- TRAC-enrolled clients are not the only clients seen—SHOT (Homeless Outreach Team) clients also seen, approx. 1/per Thursday morning clinic
- Some BP entries might not represent visits but instead BP measure at hospital or other location

Calculations:

Time 08/06/13/7/2013 – 2/28/2013

visits by TRAC-enrolled clients = 100

Clinic hours = 106

Productivity = 100 / 106 = .94 clients per hour

Hours per client = 1.06 hours or 64 minutes/client

Conclusion and further research

The clinic may want to look further into decreasing its no-show rate, or using other methods to increase its productivity rate. A few facts and strategies suggested in the literature are below.

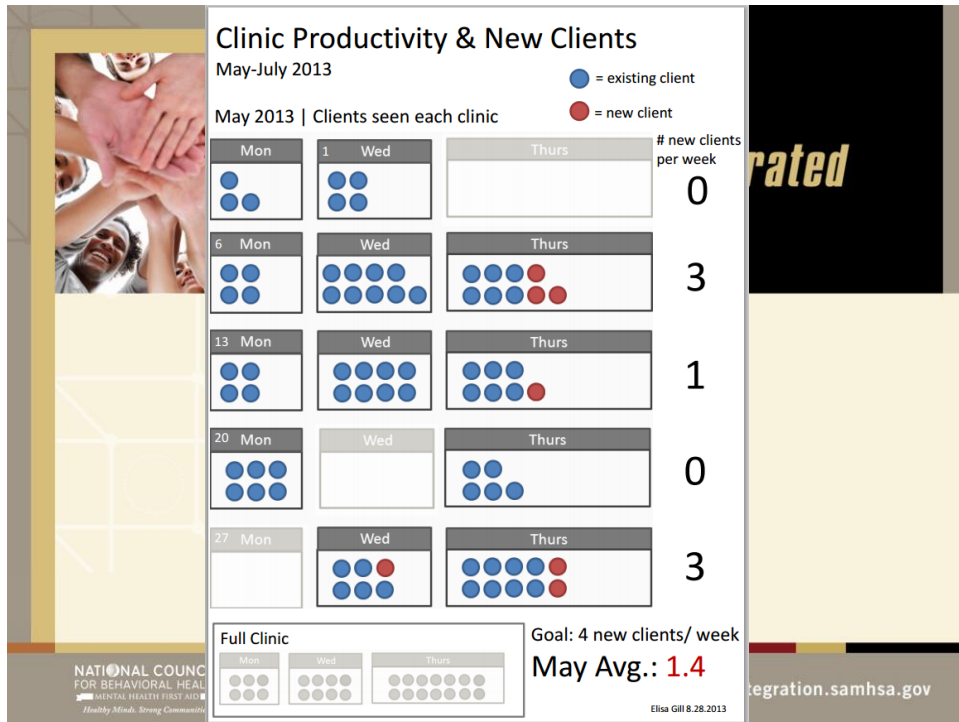
- No-show rates increase as time between when the appointment was scheduled and appointment date increase.¹
- What are no-show solutions in the literature?
 - Implement tactics to decrease no-shows, such as appointment reminders
 - Change scheduling system
 - Use overbooking
 - Use open-access

¹Essence, D.S., Lamb, S.J., MacDow, D.B., & O'Day, K.O. (2002). From telephone to office: Insite attendance as a function of appointment delay. *Addictive Behaviors*, 27(4), Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/11900219>

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| Cancer screeni |
| Eligible, female |
| Mammogram i |
| Eligible, female |
| Mammogram i |
| Eligible, female |
| Pap smear in p |
| Eligible, adult |
| Facial blood test |
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| Diabetes (tract |
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Highlights:

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South of Market Mental Primary Care Clinic Process Dashboard May 31st, 2014

Patients enrolled vs SAMHSA Goal¹
Jan 2013 – May 2014

total clients enrolled¹
(met grant criteria & enrolled, 8/2012-present)

76 discharged²

242 (cu

550 Grant end goal (16.5 pts/month)

486 Grant end projected enrollment

Engagement rate & Referral count
Oct 2013 - May 2014

| FY 13/14 | Q1 | Q2 | Q3 | Goal |
|---|-----|-----|-----|------|
| Referrals/month | 18 | 24 | 32 | 20 |
| engaged/month | 11 | 12 | 21 | 16 |
| Engagement rate (% clients referred who completed appt) | 61% | 50% | 66% | 70% |

Completed vs. Cancelled Clinics

2014 Q3: 20/95% of total

2014 Q2: 40, 87%

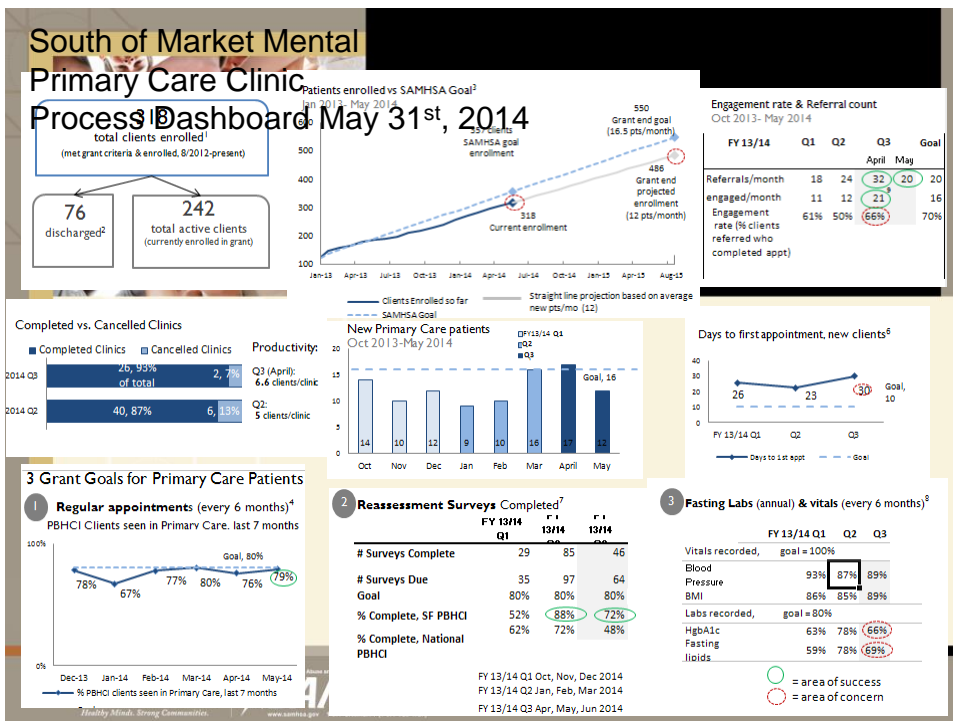
Days to first appointment, new clients⁶

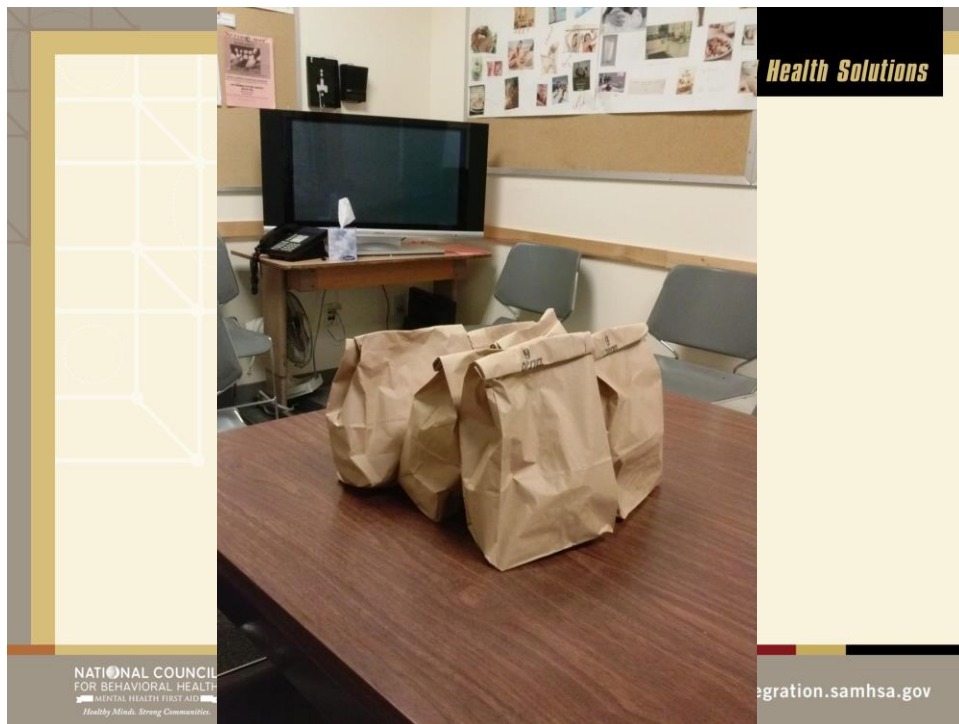
| FY 13/14 | Q1 | Q2 | Q3 | Goal |
|------------------|----|----|----|------|
| Days to 1st appt | 26 | 23 | 30 | 10 |

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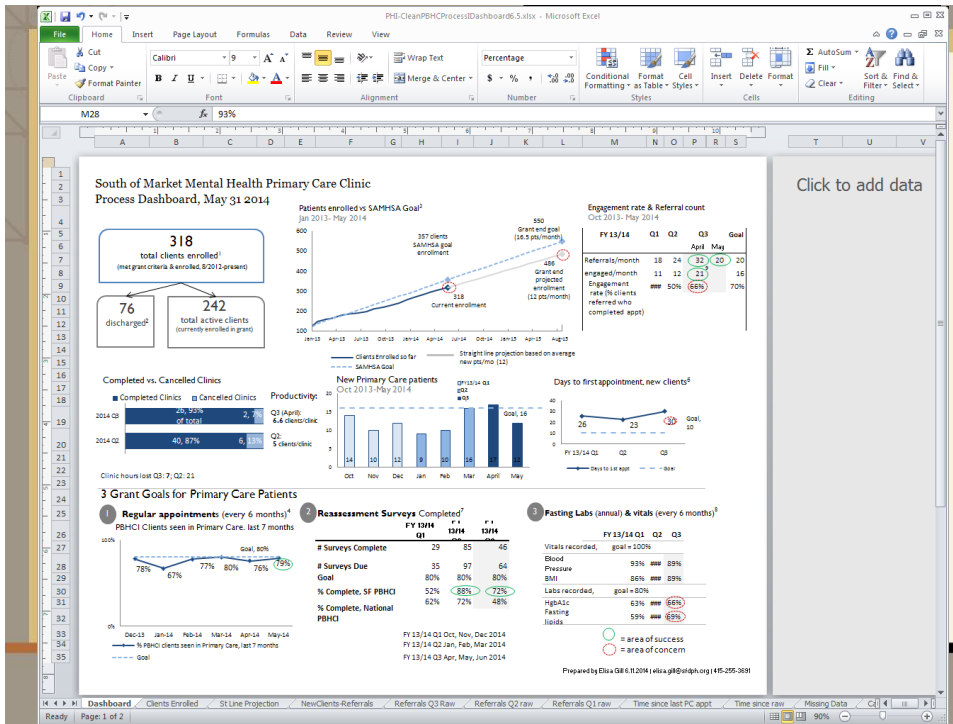
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PHS-CleanPBHCProcessDashboard6.5.xlsx - Microsoft Excel

New clients

| Month | New clients |
|--------|-------------|
| Aug-13 | 6 |
| Sept | 8 |
| Oct | 14 |
| Nov | 10 |
| Dec | 12 |
| Jan | 9 |
| Feb | 10 |
| Mar | 16 |
| April | 17 |
| May | 12 |

Prb-CleanPBHProcessDashboard6.5.xlsx - Microsoft Excel

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|----|---|-------------------------|----------|----------------|----------------------------|----------|----------|-----------------------------------|---|---|---|---|---|---|---|
| 1 | | Provider | Clinic | BP (Last Date) | | | | Instructions | | | | | | | |
| 2 | | LAURIE A. NOBILETTE, NP | TWCSOM | 5/5/2014 | Total clients | | 0 | Go into Access Dashboard database | | | | | | | |
| 3 | | LAURIE A. NOBILETTE, NP | TWCSOM | 5/5/2014 | Clients w BP last 7 months | | 155 | Pull in new Section H | | | | | | | |
| 4 | | LAURIE A. NOBILETTE, NP | TWCSOM | 5/5/2014 | | 1/1/2014 | 9/5/2013 | Pull in new Clients2 | | | | | | | |
| 5 | | LAURIE A. NOBILETTE, NP | TWCSOM | 5/5/2014 | | | | Run query | | | | | | | |
| 6 | | LAURIE A. NOBILETTE, NP | | 5/5/2014 | | | | export to this workbook | | | | | | | |
| 7 | | LAURIE A. NOBILETTE, NP | | 5/5/2014 | | | | dates text to column | | | | | | | |
| 8 | | LAURIE A. NOBILETTE, NP | TWCSFFIR | 5/3/2014 | | | | done | | | | | | | |
| 9 | | LAURIE A. NOBILETTE, NP | TWCSFFIR | 5/3/2014 | | | | | | | | | | | |
| 10 | | LAURIE A. NOBILETTE, NP | TWCSOM | 5/1/2014 | | | | | | | | | | | |
| 11 | | LAURIE A. NOBILETTE, NP | TWCSOM | 5/1/2014 | | | | | | | | | | | |
| 12 | | LAURIE A. NOBILETTE, NP | TWCSOM | 5/1/2014 | | | | | | | | | | | |
| 13 | | LAURIE A. NOBILETTE, NP | TWCSOM | 5/1/2014 | | | | | | | | | | | |
| 14 | | LAURIE A. NOBILETTE, NP | TWCSOM | 5/1/2014 | | | | | | | | | | | |
| 15 | | DEBORAH E. BORNE, MD | TWCSFFIR | 5/1/2014 | | | | | | | | | | | |
| 16 | | LAURIE A. NOBILETTE, NP | | 5/1/2014 | | | | | | | | | | | |
| 17 | | DEBORAH E. BORNE, MD | TWCSWED | 4/30/2014 | | | | | | | | | | | |
| 18 | | LAURIE A. NOBILETTE, NP | TWCSOM | 4/28/2014 | | | | | | | | | | | |
| 19 | | LAURIE A. NOBILETTE, NP | TWCSOM | 4/28/2014 | | | | | | | | | | | |
| 20 | | LAURIE A. NOBILETTE, NP | TWCSFFIR | 4/28/2014 | | | | | | | | | | | |
| 21 | | LAURIE A. NOBILETTE, NP | TWCSOM | 4/28/2014 | | | | | | | | | | | |
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| 25 | | LAURIE A. NOBILETTE, NP | | 4/28/2014 | | | | | | | | | | | |
| 26 | | DEBORAH E. BORNE, MD | TWCSFFIR | 4/25/2014 | | | | | | | | | | | |
| 27 | | DEBORAH E. BORNE, MD | TWCSFFIR | 4/25/2014 | | | | | | | | | | | |
| 28 | | LAURIE A. NOBILETTE, NP | TWCSOM | 4/24/2014 | | | | | | | | | | | |
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| 36 | | LAURIE A. NOBILETTE, NP | | 4/24/2014 | | | | | | | | | | | |
| 37 | | LAURIE A. NOBILETTE, NP | TWCSOM | 4/21/2014 | | | | | | | | | | | |
| 38 | | LAURIE A. NOBILETTE, NP | TWCSOM | 4/21/2014 | | | | | | | | | | | |
| 39 | | DEBORAH E. BORNE, MD | TWCSFFIR | 4/21/2014 | | | | | | | | | | | |

Ready Dashboard Clients Involved 30 Line Projection NewCamps-Referrals Referrals Q2 Raw Referrals Q2 raw Referrals Q1 raw Time since last PC appt Time since raw Missing Data C2 100%

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Contact

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