Families and Education Levy
Health Investment 2014-15 Report

Levy Oversight Committee Meeting
April 19, 2016
Presentation Overview

- Health investment and services overview

- 2014-15 Performance Outcomes and Indicators

- Discussion of successes and challenges
  - Elementary health
  - Crisis planning and response
  - Long-acting reversible contraception (LARC)
FEL Health Investment

- School Based Health Centers
  - Middle/High School
  - Elementary School
  - Dental
  - Mental Health Enhancement

- School Health Support
  - SPS School Nurses
**Scope and Budget**

- **Middle and High School SBHCs**
  - 64% - $3,806,457
- **School Health Support**
  - 13% - $804,903
- **PHSKC Administration**
  - 11% - $667,209
- **Elementary**
  - 6% - $385,287
- **Oral Health**
  - 4% - $280,159
- **Mental Health Enhancement**
  - 2% - $112,064

**PHSKC Also Manages**

<table>
<thead>
<tr>
<th>Program</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family Support Program</td>
<td>$1,340,891</td>
</tr>
<tr>
<td>Early Learning Health</td>
<td>$447,914</td>
</tr>
</tbody>
</table>

Administration total includes admin budget for Early Learning Health.
School Based Health Centers

Comprehensive primary and preventive medical and mental health care

- Well child exams
- Mental health evaluation and treatment
- Social/Emotional support
- Health education and promotion
- Sexual and reproductive health
- Oral health
Why is Health an Academic Intervention?

Education Milestones

- Parents/Caregivers hold, talk, and read to child every day
- Children have access to high-quality care and easily learning opportunities
- Children demonstrate kindergarten readiness across multiple domains
- Infants have healthy birth weight
- Children have healthcare
- Children have a caring adult in their home, school, or community
- Students have a family member who attends parent-teacher conferences
- Students have low discipline referral or suspension rates
- Students participate in high-quality learning activities during out-of-school hours
- Students have fewer than 10 absences per year
- Students have access to broadband internet at school and home
- Students have low mobility rates
- Teens have low pregnancy rates

Family & Community Support Milestones

- 4th graders proficient on the state math test
- 7th graders proficient on the state math test
- 6th graders passing all classes
- 8th graders passing all classes
- 10th graders proficient on the state math, reading, science & writing tests
- On-time graduation
- Completion of certification and/or post-secondary course of study
- Enrollment in post-secondary education
- Transition to Desired Career
Why is Health an Academic Intervention?

Impact of School-Based Health Center Use on Academic Outcomes
Sarah Cusworth Walker, Ph.D., a,*, Suzanne E.U. Kerns, Ph.D., a, Aaron R. Lyon, Ph.D., a, Eric J. Bruns, Ph.D., a, and T.J. Cosgrove, M.S.W., a

Can school-based health services reduce absenteeism and dropping out of school?
LV Klerman - Adolescent medicine (Philadelphia, Pa.), 1996 - europemc.org
Studies have shown that a high school diploma, and preferably some post-high school education, is essential to economic success for most individuals in American society today. With large numbers of adolescents having excessive absenteeism or dropping out of ...
Why is Health an Academic Intervention?

- March 2015 systematic review of 46 published studies recommends SBHCs based on sufficient evidence of effectiveness
  - School performance, grade promotion, high school completion
  - Vaccinations, preventive services, asthma morbidity, emergency department use
  - www.thecommunityguide.org/healthequity/education/schoolbasedhealthcenters.html

- Seattle-focused research found:
  - Those who use the clinic for medical purposes had a significant increase in attendance over nonusers
  - Those who use the clinic for mental health purposes had increased their Grade Point Averages over time compared to nonusers

2014-15 Students Served

N = 7,388

SBHC Users

School Enrollment

- Asian: 21.1%
- Black: 25.1%
- Hispanic: 17.8%
- Am. Ind.: 0.4%
- Multi-Racial: 6.1%
- Nat. Hawaiian/Pl: 0.4%
- White: 32.6%
- LEP: 16.6%
- Homeless: 9.2%
- N = 7,388
Elementary School Based Health

<table>
<thead>
<tr>
<th></th>
<th>Mental Health</th>
<th>Medical</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Users</strong></td>
<td>100</td>
<td>748</td>
<td>796</td>
</tr>
<tr>
<td><strong>Visits</strong></td>
<td>1,513</td>
<td>1,590</td>
<td>3,103</td>
</tr>
</tbody>
</table>

**Common Visit Reasons/Diagnoses**

**Mental Health**
- Educational circumstances
- Adjustment reaction/disorder
- Anxiety

**Medical**
- Immunizations
- Routine well-child visits
Middle/High School Based Health

<table>
<thead>
<tr>
<th></th>
<th>Mental Health</th>
<th>Medical</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Users</strong></td>
<td>2,054</td>
<td>5,956</td>
<td>6,623</td>
</tr>
<tr>
<td><strong>Visits</strong></td>
<td>13,860</td>
<td>19,207</td>
<td>33,067</td>
</tr>
</tbody>
</table>

**Common Visit Reasons/Diagnoses**

**Mental Health**
- Educational circumstances
- Interpersonal problems
- Depression

**Medical**
- Immunizations
- Routine well-child visits
- Contraceptive management
## Indicators and Outcomes

### Outcomes

<table>
<thead>
<tr>
<th>Measure</th>
<th>Target</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary: MAP</td>
<td>25%</td>
<td>21.16%</td>
</tr>
<tr>
<td>Elementary: SGP - math</td>
<td>58%</td>
<td>NA</td>
</tr>
<tr>
<td>Elementary: SGP - reading</td>
<td>58%</td>
<td>NA</td>
</tr>
<tr>
<td>Middle School: Passing classes</td>
<td>87%</td>
<td>82.00% ✔</td>
</tr>
<tr>
<td>High School: Passing classes</td>
<td>74%</td>
<td>70.37% ✔</td>
</tr>
</tbody>
</table>

✔️ ≥90% of Target achieved
## Indicators and Outcomes

### Indicators

<table>
<thead>
<tr>
<th>Measure</th>
<th>Target</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary: ≤ 10 Absences</td>
<td>73%</td>
<td>71.91% ✔</td>
</tr>
<tr>
<td>Middle School: ≤ 10 Absences</td>
<td>62%</td>
<td>61.20% ✔</td>
</tr>
<tr>
<td>High School: ≤ 10 Absences</td>
<td>48%</td>
<td>43.74% ✔</td>
</tr>
<tr>
<td>Interagency: 70% Attendance (1st semester)</td>
<td>40%</td>
<td>49.08% ✔</td>
</tr>
<tr>
<td>Interagency: 70% Attendance (2nd semester)</td>
<td>40%</td>
<td>45.39% ✔</td>
</tr>
<tr>
<td>SBHC users</td>
<td>6,260</td>
<td>7,419 ✔</td>
</tr>
</tbody>
</table>

✔ ≥90% of Target achieved
# Indicators and Outcomes

## Indicators

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<thead>
<tr>
<th>Measure</th>
<th>Target</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Childhood immunizations</td>
<td>4,500</td>
<td>5,063 ✔</td>
</tr>
<tr>
<td>Behavioral risk factor screening</td>
<td>1,200</td>
<td>877</td>
</tr>
<tr>
<td>Oral health screening</td>
<td>700</td>
<td>1156 ✔</td>
</tr>
<tr>
<td>Oral health exams</td>
<td>261</td>
<td>292 ✔</td>
</tr>
<tr>
<td>Oral health treatments</td>
<td>221</td>
<td>282 ✔</td>
</tr>
</tbody>
</table>

✔ ≥90% of Target achieved
Successes & Challenges – Elementary Health

- High demand for mental health services
- Collaboration with coordinated school health staff, especially nurse and school counselor, key to successful referral systems
- Levy investment able to leverage additional funding targeting school’s specific needs
  - Trauma-informed schools intervention at one site, grant pending for expansion
  - Most sites exploring funding models for expanded services
- Health coordinator role evolving to provide health education, outreach, and support for families – family involvement key to success!
Successes & Challenges – Crisis Planning and Response

- 2013 HB 1336- suicide recognition and response for school staff

- Identified need to better clarify SBHC and school staff roles in event of health-related crisis
  - Required collaborative, building-level crisis plan for each SBHC
  - Presented new SPS crisis response policy to all SBHC staff

- Facilitated more intensive care coordination and crisis response systems work with Interagency, following several student deaths
Successes & Challenges – Long-Acting Reversible Contraception (LARC)

- 2014-15 first year of system-wide implementation
  - Implant and/or IUD available at middle and high school SBHCs

<table>
<thead>
<tr>
<th>Year</th>
<th>Implant</th>
<th>IUD</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-10</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>2010-11</td>
<td>14</td>
<td>7</td>
</tr>
<tr>
<td>2011-12</td>
<td>45</td>
<td>24</td>
</tr>
<tr>
<td>2012-13</td>
<td>58</td>
<td>39</td>
</tr>
<tr>
<td>2014-15</td>
<td>228</td>
<td>198</td>
</tr>
</tbody>
</table>
Successes & Challenges – Long-Acting Reversible Contraception (LARC)

- Birth rate for Seattle teenagers declined 92% from 1990-2013
  - Faster than national and King County average since mid-1990s

- Birth rate for Seattle teenagers is 80% lower than the national average

Photo credit: http://www.mirena-us.com/index.php
# Successes & Challenges

<table>
<thead>
<tr>
<th>Program</th>
<th>Successes</th>
<th>Challenges</th>
</tr>
</thead>
</table>
| Elementary               | • Increased users  
  • Crisis planning                        | • Higher demand than can be met  
  • Coordination challenges with community and building-level providers |
| Interagency              | • Violence response initiative  
  • New space, greater capacity  
  • Improved care coordination systems | • Higher demand than can be met  
  • More complex cases  
  • Dynamic student population at multiple sites |
| Middle/High School       | • Increased users  
  • Crisis planning  
  • Continued LARC training            | • Coordination challenges with community and building-level providers  
  • LARC training logistics            |
| Mental Health Enhancement | • Mental Health Model of Care committee  
  • Attendance data in MHITS           |                                                                             |
| School Health Support    | • Collaborated professional development with SBHC providers | • High demand for services                                                 |
| Oral Health              | • Increased services and coordination         | • Passive consent and follow-up                                            |
2015-2016 School Based Health

- Increased staffing at elementary sites
- Crisis response training and protocols at Interagency
- Mental Health Providers Institutional Partners with Seattle Public Schools
- MHITS including academic data
- PHSKC pilot to improve HPV vaccination
Questions?

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