Assessment of School Health Data Reporting and Infrastructure

Keely Anderson
MSPH Candidate 2013-2015
Johns Hopkins School of Public Health
What we will cover...

- School Health
- Importance of School Health Data
- Challenges Working with School Data
- My Project
- Public Health Significance
- Outcomes
- Lessons Learned
What is School Health?

- “The strategies, activities, and services offered in association with schools that are designed to promote students' physical, emotional, and social development.”

- There are 1455 Public Schools in Maryland’s 24 Jurisdictions

Source: NursingSchoolsU.com

National Association of States Boards of Education. "How Schools Work and How to Work with Schools" 2003
Coordinated School Health:
Whole School. Whole Community. Whole Child Model

Source:
Importance of School Health Data

- “Healthy Students are Better Learners”
- Health issues can hinder a student's academic success
  - Knowing the problems → intervention
- Efficient healthcare delivery
  - Schools and primary health care providers have a shared population
Levels of School Health

<table>
<thead>
<tr>
<th>Administrative Level</th>
<th>Service Level</th>
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</thead>
<tbody>
<tr>
<td>• Student Level</td>
<td>• School level - nurses or nursing aid</td>
</tr>
<tr>
<td>• School Level</td>
<td>• School Based Health Center – community based health care providers come to the schools</td>
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<tr>
<td>• System/County Level</td>
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<tr>
<td>• State Level</td>
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Integrating Health and Education

- Cross agency collaboration between education, health, and social service is often hindered
  - by bureaucratic obstacles
  - lack of multiprogram data systems
- MSDE and DHMH work together
  - Health is important for educational goals (allow kids to focus and learn)
  - Education is important for health goals (teach children how to make healthy choices)
- Expanded integration of services and data with Maryland SIM model
  - Integrate patient-centered medical care with community-based resources
  - Enhance capacity to monitor and improve health

Maryland SIM

- SIM is a project in the works to enhance service delivery across the entire healthcare delivery system
  - Primary Care
  - Community Health
  - Shared Data (integrate data systems)
    - In school health context, utilize health data to enhance healthcare delivery
Primary Care

Primary Care Team
Community Support and Interventions

Community Health Team
Shared Data
SIM model Data Flow

Source: DHMH SIM all-stakeholder presentation
Challenges with School Data

- Health information privacy issues
  - HIPAA - Health Information Portability and Accountability Act
    - how health information is safeguarded by policy, accountability, and physical and electronic protections
  - FERPA - Family Education Rights Privacy Act
    - rules regarding sharing educational information
- What schools already share with the state:
  Medications administered, ADHD, anaphylaxis cases, heart problems, seizure disorders, diabetes, other chronic conditions

My Project

Healthy schools dashboard
• Enhance health improvement activities
• Track student health and academic outcomes using data indicators
• Collect and share data between school systems, community organizations and providers to address child and community health
• Focus on chronic conditions
• Data integration

So the questions remain:
How do schools collect health data?
What is being collected?
My Project (cont)

- Professional Development and Technical Assistance Survey
  - sent to school health services coordinators
- Data infrastructure survey
  - what data is collected
  - technological capabilities
  - sharing health data
- Looking for dashboard pilot sites
Why is this Important?

- Health data in the current form can’t be manipulated
- Can’t evaluate the impact of Coordinated School Health on health and academic outcomes
- Feasibility of implementing the Health Schools Dashboard can be determined
- The discoveries from the dashboard can inform policy, procedural, and regulatory decisions
- Changing the healthcare landscape – eventually through the SIM model
Preliminary outcomes - Professional Development (“PD”) Survey

- Most PD delivered at the jurisdiction level with all RN’s together (18/20)
- Almost all received disease specific PD (95)
- PD regarding meeting needs of kids with CC (85)
- General nursing concept for students with special needs (70)
- 10 percent: electronically track nurse participation in PD
- 29 percent: electronically track non-nurse staff participation in PD
- 61 percent: electronically track students with CC
Lessons Learned

- IRB process can take a while... plan in advance
- Interesting dynamic between the education system and the health system
- There is a lot going on and a lot of work that goes into implementing changes in school health
Questions?

Thank you for your attention!