Making a World of Difference

University of Memphis
School of Public Health

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What is Public Health?

- Science and art of protecting and improving the health of communities through education, promotion of healthy lifestyles, and research for disease and injury prevention
- Goal of preventing health problems and disease before they occur

<table>
<thead>
<tr>
<th>Public Health</th>
<th>Clinical Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>Individual</td>
</tr>
<tr>
<td>Health</td>
<td>Disease</td>
</tr>
<tr>
<td>Prevention &amp; Health Promotion</td>
<td>Diagnosis and Treatment</td>
</tr>
</tbody>
</table>

Disciplines in Public Health

- Biostatistics
  - Explanatory and predictive mathematical modeling
- Epidemiology
  - Identifying risk factors and causes of disease
- Environmental Health
  - Impact of physical, chemical, and biological factors
- Health Administration
  - Business and management of health systems
- Social & Behavioral Science
  - Develop community-wide prevention programs

Why a School of Public Health?

- Address recognized needs...
  - Workforce shortages in public health at local, regional, and national levels
  - Impact local health needs and disparities for health improvement
  - No urban-serving TN universities targeting health disparities in public health PhD programs

Workforce Needs

- Public health workforce crisis at the local, state and federal levels
  - Shortage of 250,000 public health workers by 2020
  - Workforce decline to 158 from 220 workers per 100,000 Americans between 1980 and 2000
  - Greatest shortages: epidemiologists, biostatisticians, health educators, health administrators, environmental health, laboratory professionals, public health physicians and nurses
  - Large workforce needs in health informatics

Local Health Needs

- Tennessee health ranking #39 among states
- 2012 Shelby County Health Rankings (95 counties)
  - 66th poorest in health factors
  - 12th on clinical care
  - 55th on health risk behavior
  - 85th on social and economic factors
  - 95th on physical environment
  - 59th in health outcomes
    - 61st in premature death
    - 52nd in morbidity (e.g., poor physical and mental health days; low birthweight)
Health Care Spending: Shifting the Balance

- Health Behaviors 50%
- Social & Environmental 20%
- Genetics 20%
- Access to Care 10%

Prevention 4%
National Health Expenditures

Factors Influencing Health

Genetics

Organization & Operations

Start-up: Structure & Functions
- Administrative Affairs
  - Administrative Structure, Budget, HR, Space
  - TN Board of Regents & Accreditation Process
  - Dean’s Advisory Council
- Faculty Affairs
  - Hiring, faculty development, retention
  - Evaluation, Tenure & Promotion
- Academic & Student Affairs
  - Program Directors (MS, PhD)
  - Curriculum Development
  - Academic oversight w/ Graduate School
- Research Affairs
- Outreach & External Affairs

Early History
- 1980’s - Discussion of joint UT–UMem SPH
- 2006 - TBR Approves MPH program
- 2007 - Director Hired, First students enrolled
- 2008 - THEC approves School of Public Health
- 2009 - SPH “independent” from CAS, MHA program moves to SPH
- 2010 - 1st PhD program approved by TBR
- 2011 - Founding Dean hired
- 2011 - 2nd PhD program approved by TBR
- 2012 - Accreditation Candidacy

Dedicated SPH Space
- Successful renovation and move to Robison Hall in 2012
- $4.5 million renovation project
- Faculty, staff, student offices under one roof, smart classrooms, collaborative space
- Environmental labs to be finished out over the next year
Vision

Dreamers. Thinkers. Doers... with vision of a...
- Premier urban-serving School of Public Health providing education, research and outreach to improve health of populations
  - Nationally recognized School with regional impact on health disparities
  - Innovative graduate programs preparing students as leaders in population science and public health intervention
  - Acclaimed multi-disciplinary public health research producing actionable evidence

Goals

- Train next generation of students as leaders in public health focused on health equity
- Generate world-class multi-disciplinary research of local benefit
- Engage community partners and collaborators for health improvement with relevant, evidence-based interventions, preventive services, and policies
- Obtain accreditation from Council on Education for Public Health!

Transformative Education

- Integrated competency-driven education that addresses equity in health
- Local–global learning with systems perspective
- Joint planning of education programs with university affiliates and community input

- Sensitive to student access
  - Fast-track MPH
  - On-line formats
  - Evening classes
  - Joint degree programs

- Student development and graduation
  - Mentoring and faculty involvement
  - Internships, practica, career development activity

Degree Programs

- Masters Programs
  - Masters of Public Health
  - Masters of Health Administration (CAHME accredited)

- Doctoral Programs
  - Social & Behavioral Sciences (Approved 2010)
  - Epidemiology (Approved 2011)
  - Health Systems & Policy (Pending 2012)
**Program Enrollment & Graduation**

<table>
<thead>
<tr>
<th>Program</th>
<th>Matriculation Fall 2012</th>
<th>Current Enrollment</th>
<th>Graduated since 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA</td>
<td>19</td>
<td>43</td>
<td>82</td>
</tr>
<tr>
<td>MPH</td>
<td>15</td>
<td>82</td>
<td>44</td>
</tr>
<tr>
<td>EMS PhD</td>
<td>2</td>
<td>7</td>
<td>2</td>
</tr>
<tr>
<td>MPH PhD</td>
<td>2</td>
<td>7</td>
<td>2</td>
</tr>
</tbody>
</table>

- Student diversity: 20% Black, 54% White, 26% International
- Implementing “Day 1” Professional & Leadership Skills Seminar for all SPH masters students
- Launching national marketing of graduate programs to enhance enrollment
- Seeking national training grants and endowed scholarships for graduate assistantships

**From our Public Health Students...**

- Masters of Public Health
  - [Link](http://youtu.be/ZGmCDwH0ZM)
- Masters of Health Administration
  - [Link](http://youtu.be/iO9k0w8E2ZM)
  - [Link](http://youtu.be/N62i06ekd0)

**Research Priorities**

- Targeted faculty hiring in high priority research areas
- Conduct research of relevance to reduce disparities in health outcomes
- Collaborative research within the university and inter-institutional partnerships
- Explore university/community institute
  - Service and outreach arm to bring public health research scholarship and practice together

**Partnerships**

- Memphis Research Consortium (UTHSC, St. Jude)
  - Population health improvement with focus on health informatics and obesity prevention
- FedEx Institute Center for Translational Informatics
- Triple Aim Regional Collaborative
  - Partnering with Institute for Health Improvement
  - Healthy Shelby: health systems reform initiative under Memphis Fast Forward
- Community Partnerships
  - Coordinated model for sickle cell transition of care
  - Let’s Change! obesity prevention
  - Faith-based health promotion

**Accreditation Milestones**

- Applied for accreditation candidacy!
- Assemble full complement of faculty
- Gain state approval of third PhD program
- Deepen public health research programs
- Graduate first doctoral student
- Complete self-study evaluation and strategic planning

**Moving Forward: Accreditation & Sustainability**
Celebrating Achievements

- Extramural research dollars growing
  - $6.5 million in 2011 (primary & subcontracts)
- Generous Foundation gifts of $3.82 million
  - $2.5 million Assisi Foundation
  - $1.32 million Plough Foundation
- Private and corporate gifts
  - Mike and Marian Bruns endowed professorship
  - Baptist Memorial Health Care Corp. (CSCP)
  - Endowment to Support Faculty Development
- SPH Capital Campaign of $7.5 million for accreditation
  - Additional funds for Fellowships & Faculty Support

Mission

...to improve public health and promote health equity by generating knowledge and translating research discoveries in our community, our state and throughout the world