The Department of Public Health

“then & now”
Outline

- Changes and growth
- Our Public Health focus, vision and mission
- How we accomplish our mission
- The future
Looking back to 1999

Chairman

Administration

General PH faculty  ADP  EAPC  EDC  MTC  IPR
Our structure today
Functions to inform, plan & act

1999
- Faculty luncheon
- Promotions Committee

2009
- Faculty Council
- Executive Committee
- Administration
- Promotions Committee
- Divisional meetings
- General Faculty
...and seminars strengthen our academic life

1999
- Ad-hoc

2009
- Grand Rounds
- Research-in-Progress
  - Outcomes/Health Policy
  - Prevention
- Ethics Seminar Series
- Bio/Epi Research Seminars
- Community & PH Clinical Rounds
People: grew by 65%
Growth in operations

1999
7.2m

2009
13.3m

84% growth
Expense profile
Operation “uses”

1999
- Salary: 52%
- Fringe: 15%
- Non personnel: 33%

2009
- Salary: 61%
- Fringe: 18%
- Non personnel: 21%
Research, institutional and gift funds fuel growth...
Operation “sources”

<table>
<thead>
<tr>
<th>Category</th>
<th>1999</th>
<th>2009</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research</td>
<td>3.04</td>
<td>5.14</td>
<td>2.10</td>
</tr>
<tr>
<td>Clinical</td>
<td>3.02</td>
<td>4.31</td>
<td>1.29</td>
</tr>
<tr>
<td>Institutional</td>
<td>0.73</td>
<td>2.89</td>
<td>2.16</td>
</tr>
<tr>
<td>Gift</td>
<td>0.43</td>
<td>0.91</td>
<td>0.48</td>
</tr>
<tr>
<td>Total</td>
<td>7.22</td>
<td>13.25</td>
<td>6.03</td>
</tr>
</tbody>
</table>
Philanthropy then & now

1999
Endowments/Professorships

- Saul P. Steinberg Professor
- Lasdon endowment

2009
Endowments/Professorships

- Nanette Laitman Professor
- Livingston Farrand Fund
  - Professorship
  - Endowment
- Lubin Visiting Professor
- Laitman – 4 Clinical Scholars
- Walsh McDermott Scholar
- Saul P. Steinberg Professor
- Lasdon endowment
## Major improvements to our facilities

<table>
<thead>
<tr>
<th>Location/sq ft</th>
<th>1999</th>
<th>2009</th>
<th>Change</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research &amp; administration</td>
<td>10,134</td>
<td>18,055</td>
<td>7,921</td>
<td>78%</td>
</tr>
<tr>
<td>Clinical/EAP programs</td>
<td>8,936</td>
<td>7,880</td>
<td>-1,056</td>
<td>-12%</td>
</tr>
<tr>
<td>Total</td>
<td>19,070</td>
<td>25,935</td>
<td>6,865</td>
<td>36%</td>
</tr>
</tbody>
</table>
Kips Bay
The Laurel
Research takes off!

- We get grants....
  - 1999: 5
  - 2009: 38

- We consult...
  - Launched after 1999
    - Biostatistics
    - Cornell/Analytics
    - Research Ethics
    - Clinical Ethics
...and we collaborate

- Funding from across the street

1999: 55K

2009: 717K
We increased & enhanced medical college courses

1999

- MPS I
  - Intro to Epi
  - Intro to Biostatistics
- MPS II
  - PH & Community Medicine
- Public Health Clerkship

2009

- MPS I
  - Intro to Epi & Bio
  - Evidence Based Medicine
- MPS II
  - PH & Community Medicine
  - Intro to US HC System
  - Medical Ethics
- MPS III
  - CE/Palliative Care Clerkship
- Public Health Clerkship
...and expanded beyond the medical school curriculum

All new since 1999:

- Masters in Clinical Investigation
- Special Biostat courses
- Affiliate Hospital courses
- Physician Assistant Training Program
- Qatar: PH courses, new faculty
- Office of Global Health Education
including residents and fellows...

1999

Residencies
- Preventive Medicine
- Addiction Psychiatry

2009

Fellowships/residencies
- Preventive Medicine
- PH fellows

House staff
- Perspectives on the Changing Healthcare Systems
- Primary care supervision
- Morning Report/Ethics Rounds
Our Mission

- Identify and emphasize public health areas critical to make medicine and medical care more effective and efficient.......and better “tools” for the public’s health
- Bring public health disciplines/perspective into Medical College and NYPH/System research, patient care, and teaching agenda
- Provide collaboration and consultation in biostatistics and research methodology
The interface between Public Health & Medicine

- Public Health
- Medical Care
- Health Care Delivery
- Medicine
Our Vision

- If we can conceptualize and develop a full fledged department with an excellent faculty representing the spectrum of PH disciplines.....and provide them with the opportunity to pursue their research and to collaborate and provide consultation.....doing so will result in remarkable benefits in research, teaching and patient care.
Our Work

- Research themes illustrate and exemplify our focus and mission
- Collaborative work demonstrates the integration of the Public Health perspective into the medical and healthcare agenda
Comparative Effectiveness, Outcomes, and Technology Assessment

- Effectiveness and safety of medical devices
  - Development and use of a registry for outcomes and TA
  - Diffusion of new technologies and volume/outcomes relationships
  - Methods for tech. evaluation
    - Patient reported outcomes
    - Decision and CEA
    - Bayesian analysis of cluster trials

- Improving management in chronic disease

- Developing risk scores for early disease detection and prevention

- Prognostic modeling for cancer
Health Economics and Cost-effectiveness

- Diagnosis and treatment of HIV, hepatitis C and syphilis
- Disparities and cost-effectiveness in breast cancer treatment and outcomes
- Cost-effectiveness in substance abuse treatment
- Cost-effectiveness of personalized medicine/pharmacogenetic testing
- Drug coverage expansion and management in elderly depression
- Cost of depression management in home care
- Methods for CEA
Clinical and Research Ethics

- End of life care, advance care planning, including patient-proxy relationship
- Neuroethics and disorders of consciousness
  - Rights of minimally conscious patients
- New biotechnologies and human dignity
- Research ethics and human subject protection
Organization and Quality of Medical Care

- Medical practices and process improvements
- The effects of P4P: quality and disparities
- Disease management strategies
- Creating and evaluating “medical homes”
Quality and Medical Informatics

- Quality measurement and improvement
- The extent and characterization of medical errors
- The potential benefits of EMRs, IT and information exchange
  - Quality
  - Costs of care
  - Organization of care
- Issues in the diffusion of IT
  - Costs and ROI
  - Privacy and patients’ attitudes
  - Physicians and practices
Prevention

- Etiology and development of unhealthy behaviors
- Prevention of substance abuse, violence and risky sexual behaviors in adolescents and young adults
- Diffusion and fidelity of evidence-based prevention
- Behavioral risk factors and prevention of cancer, cardiovascular disease and obesity
- Definition and prevention of vitamin D deficiency
- Early detection and treatment of hepatitis C
Public Health Operations & Disease Preparedness

- Bioterrorism preparedness modeling
- Pandemic flu planning
- Community, hospital and system readiness and preparation
Community Medicine and Healthcare Disparities

- Promoting cancer screening and care in Latina women - Redes en Acción
- Addressing health disparities in diabetes and other chronic conditions in Northern Manhattan and the South Bronx - BBKH: Building Bridges, Building Knowledge, Building Health Coalition
- Heart disease in Brooklyn - Brooklyn Heart Health (with Methodist Hospital)
Global Health

- Qatar – Diabetes, heart attacks and strokes
- Qatar – Women’s health: epidemiology and treatment
- Haiti – HIV and syphilis rapid testing and treatment (with GHESKIO)
- Rwanda, Tanzania – Modeling for distribution of antiretroviral medication - Clinton Foundation
- India – Cervical cancer screening program
- Peru – Nonmedical treatment of mild hypertension
- Brazil – Pilot program to reduce preterm births
- South Africa and Russia – Substance abuse prevention training program
We have set the stage for discussion...

- We have organized, developed infrastructure, grown, clarified our mission, and demonstrated the viability and importance of our department through our activities.

- Where to now?