The State of the Department of Public Health

FY2007-08

Positioned for the future
Topics

- Scientific contributions
- New and noteworthy
- By the numbers
- Future directions
Scientific contributions
A partial (but illustrative) list
Scientific contributions

- SCORRED questionnaire predicts chronic kidney disease better than current guidelines – Bang, Mazumdar, Kern
- Genetic testing is cost-effective in guiding HIV treatment – Schackman
- Minimally conscious TBI patient improves with deep brain stimulation – Schiff, Fins
- Vit D deficiency more prevalent in AAs, females, obese – Saintonge, Gerber, Bang
- OR modeling makes HIV treatment scale-up more efficient – Xiong, Hupert, Hollingsworth
- Adolescent perception of social benefits important in future health behavior – Epstein, Griffin, Botvin
Scientific contributions

- ICD commonly implanted by very low volume providers & outcomes worse - Lyman, Mushlin
- Electronic lab results reporting associated with higher ambulatory care quality - Kern, Kaushal, Barrón-Vaya
- Different information exchange desirable for informed consent in Islamic cultures - del Pozo, Fins
- Epidemiological evidence needed for TBI Rx guidelines - Fins, Gerber
- Ethics consultations and quality linked - Nilson, Acres, Tamerin, Fins
New and noteworthy
(again, illustrative—not complete)
New and noteworthy

- Outcomes and Effectiveness Research: new chief and new directions
- Health Policy fully established
- Biostatistics/Epidemiology expanded
- CTSC: Biostatistics, Research Ethics, Community Research, Graduate education
- CERT: TJR registry and pilot projects begun
- Interdepartmental Quality and Clinical Informatics programs, including HITEC, developed

Weill Cornell Medical College
New and noteworthy

Division of Quality and Clinical Informatics
- Joint sponsorship – Pediatrics & Public Health
- Rainu Kaushal, MD, MPH, Director
- 4 FT & 6 PT faculty; 7 research staff; 2 administrative staff
- $2.987 million dollar operation
- 12 active grants & contracts: Federal, State; Foundations, Health Plans and Community

Weill Cornell Medical College
New and noteworthy

Awards/Appointments/Honors
- Fins, RWJ F Investigator in Health Policy
- Hupert, inaugural Director of CDC’s Preparedness Modeling Unit
- Gold, Trustee of the Board of SMDM
- Mamtani, Best Teaching Award and Acting Dean for Student Affairs at WCMC/Qatar
- Bang’s “Blinding Index” incorporated into STATA
Awards/Appointments/Honors (cont.)
- Carrillo, Poussaint Lecture at Harvard
- Drusin, ACP Bruce Memorial Award for contributions in preventive medicine
- Botvin, Recognition Award from SPR
- Rodríguez del Pozo, Qatar National Health Authority, Committee on Research Ethics and Bio Bank Scientific Committee
- Mazumdar, Appointment to Epidemiology of Cancer Study Section, NIH
New and noteworthy

- **Grants** (illustrative...not inclusive)
  - RWJF: Cost-effectiveness of Buprenorphine - Schackman, Beeder
  - Pfizer Health Policy: Improve Antidepressant Adherence in the Elderly - Bao
  - NYS Health Foundation: Informing Health Care Reform Options for New York State - Cornell Ithaca & Schackman
  - NIH/NCI: Outcomes for Early Stage Breast Cancer - Gold (collaboration with BU)
New and noteworthy

Grants (continued)

- NSF: Do Biotechnologies Threaten Human Dignity? - de Melo-Martín
- NIDA: Long-term effects of school-based drug abuse prevention program - Griffin
- AHRQ: quality metrics for HIT and HIE - Kaushal, Kern, Barrón-Vaya
New and noteworthy

- **Grants** (continued)
  - NIH: Prognostic Modeling for Esophageal Cancer (excellent peer-review scores; being evaluated for funding) – Zhou, Mazumdar
  - NIH/NIAAA: Adolescent Alcohol Use and Young Adult Psychosocial Functioning (excellent peer-review scores; being evaluated for funding) – Griffin, Bang
  - HHS: Surge Capacity Through Technological Innovation – Hupert (sub-contract with U.C. Davis)
  - CTSC Pilot: Improved Assessment of Molecular Signatures – Zhou, Qin, Satagopan
New and noteworthy

- New grants since July 1, 2008
  - RWJF: self-management in under-represented black Americans – Gerber, Feldman, Bang, Chiu
  - NIAI: Pharmacogenomics of HIV Therapy – Schackman (subcontract with Vanderbilt University)
  - NIH/NIDA: Diffusion of Evidence-based Prevention (Botvin, Trochim, Tobias)
  - AHRQ/ACTION: Pandemic Preparedness – Hupert, Xiong
  - NHLBI: A Unified Approach to CEA – Bang
New and noteworthy

- **Articles and Books**
  - Journal publications: about 110
  - Books/Chapters: seven
Public Health

Health Care and Human Rights: A World in Need

2008 Lubin Visiting Professorship: Shoshanna Sofaer

Health Systems Emergency Response Logistics

HITEC Quality Metrics Meeting

NewYork-Presbyterian Hospital
Weill Cornell Medical Center
Public Health

New and noteworthy

Training

- New K-30 courses:
  - Introduction to Biostatistics in Clinical Research (Barrón-Vaya, Mazumdar)
  - Survey Research & Questionnaire Design (Griffin)
  - Economic Evaluations in Health Care (Schackman, Gold, Bao, Elkin)
  - Statistical Methods for Observational Studies (Bang)
  - Advanced Seminars in the Ethics of Clinical Research (de Melo-Martin)
New and noteworthy

Training (cont.)
- Other new classes
  - Nutritional Epidemiology: Collaborative Program in Nutrition and Cancer Prevention for postdoctoral fellows (Mazumdar)
  - Perspectives on the Changing Healthcare Systems (POCHS) for medical residents (Fein)
  - Introductory Biostatistics for Radiologists (John)
New and noteworthy

Training (cont.)

- Public Health education in Qatar:
  - Public Health Clerkship adapted to focus on global health issues – Finkel, Mamtani
  - New Qatar Public Health faculty: Mamtani, Bener, Abu-Raddad

Weill Cornell Medical College
New and noteworthy

- **New Faculty – primary**
  - Yuhua Bao, PhD, Assistant Professor
  - Samprit Banerjee, PhD, Instructor (8/15/08)
  - Lawrence Casalino, MD, PhD, MPH, Assoc Prof (11/1/08)
  - Hassan Ghomrawi, PhD, MPH, Instructor
  - Majnu John, PhD, Instructor (8/15/08)
  - Ravinder, Mamtani, MBBS, MD, MSc, Professor-Qatar
  - Stefano Monni, PhD, Assistant Professor (9/1/08)
  - Mirella Salvatore, MD, Assistant Professor (9/1/08)

Weill Cornell Medical College
New and noteworthy

- Secondary Faculty:
  - Laith Abu-Raddad, PhD - Qatar
  - Ethan Basch, MD, MSc - Memorial Sloan-Kettering
  - Abdul Bener, PhD - Qatar
  - Carla Boutin-Foster, MD, MS - Medicine
  - Gina Bufe, PhD, RN - NewYork-Presbyterian Hospital
  - Refik Burgut, PhD - Qatar
  - Yan Ma, PhD - Hospital for Special Surgery
  - Vaishali Patel, PhD, MPH - Pediatrics
  - Sameer Malhotra, MD - WMC informatics
  - Rama Rao, MD - Emergency Medicine
  - Pina Sanelli, MD - Radiology
  - Jaya Satagopan, PhD - Memorial Sloan-Kettering
  - Mary Simmerling, PhD - RASP
New and noteworthy

- Voluntary, Courtesy & Adjunct
  - Pamela Buchbinder, MD
  - Eugenia Curet, PhD
  - Jacqueline Ehrlrich, MD, MPH
  - Katherine Golar, MD
  - Madeleine Schachter, JD
  - Wayne Shelton, PhD
  - Naomi Tamerin, MD
  - Michael Ushay, MD, PhD, MPhil
New and noteworthy

- Promotions

  **Full-time**
  - Nathaniel Hupert, MD, MPH, Associate Professor
  - Madhu Mazumdar, PhD, Professor
  - Xi (Kathy) Zhou, PhD, Assistant Professor

  **Secondary/ Affiliate**
  - Carla Boutin-Foster, MD, Associate Professor & Laitman Scholar
  - Martin Lesser, PhD, Clinical Professor
  - Andrew Vickers, D.Phil, Associate Professor
New and noteworthy

- Fellows & Residents
  - Michael Herman, MD
  - Alisa Koval, MD, MHSA

- Emeritus
  - Eric Cassell, MD
  - Hirsch Ruchlin, PhD
By the numbers...
Our faculty
as of June 30, 2008

<table>
<thead>
<tr>
<th>Category</th>
<th>Full Time (FT)</th>
<th>Part Time (PT)</th>
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<tbody>
<tr>
<td>Outcomes</td>
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<tr>
<td>Community</td>
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<td>5</td>
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<tr>
<td>Prevention</td>
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<td>1</td>
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<tr>
<td>Biostat/Epi</td>
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<td>1</td>
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<td>Ethics</td>
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<td>5</td>
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<tr>
<td>Health Policy</td>
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<td>4</td>
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<tr>
<td>Qatar</td>
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<td>5</td>
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<td>Total</td>
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Weill Cornell Medical College

Public Health

151 Faculty

NewYork-Presbyterian Hospital

Weill Cornell Medical Center
### Faculty - how do we compare?

#### GENDER / RANK

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<th>M</th>
<th>F</th>
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<tr>
<td>Public Health</td>
<td>47%</td>
<td>53%</td>
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<tr>
<td>Basic Science</td>
<td>58%</td>
<td>42%</td>
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<tr>
<td>Clinical</td>
<td>59%</td>
<td>41%</td>
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<table>
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<th>GENDER / RANK</th>
<th>Basic Science</th>
<th>Public Health</th>
<th>Clinical</th>
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<tbody>
<tr>
<td>Professor</td>
<td>37% 31%</td>
<td>40% 18%</td>
<td>28% 10%</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>23% 20%</td>
<td>13% 18%</td>
<td>27% 19%</td>
</tr>
<tr>
<td>Assistant/Instructor</td>
<td>40% 49%</td>
<td>47% 64%</td>
<td>45% 71%</td>
</tr>
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N= 108 78 15 17 550 376
Our “financial” profile

Sources

- Research: 31%
- Programmatic: 39%
- Institutional: 23%
- Gifts: 7%

FY07-08
$13,700,629

Uses

- Salary: 62%
- Fringe: 18%
- OTPS: 17%
- Indirect: 3%

Weill Cornell Medical College
Operation - relatively stable
(annual operation - expense side)
Growth of departmental reserves (year-over-year change)

<table>
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<tr>
<th>Fiscal Year</th>
<th>Growth Rate</th>
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<tr>
<td>FY00-01</td>
<td>14.00%</td>
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<tr>
<td>FY01-02</td>
<td>0.00%</td>
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<tr>
<td>FY02-03</td>
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<td>FY03-04</td>
<td>6.00%</td>
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<td>8.00%</td>
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<td>FY06-07</td>
<td>12.00%</td>
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<tr>
<td>FY07-08</td>
<td>14.00%</td>
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Future directions
Future directions

- **Research**
  - Develop and Expand Outcomes and Effectiveness Research
  - Quality and Clinical Informatics research/programs to grow, including initiatives with NYPH
  - Continue to expand CTSC collaborative initiatives
  - Establish and promote Institute of Disease and Disaster Preparedness
  - Prevention division programs to expand scope and size
  - Enhance community research agenda
Future directions

- Research (cont.)
  - Establish Consortium for the Advanced Study of Brain Injury (CASBI) at WCMC and The Rockefeller University (Fins, Schiff)
  - New Qatar research initiatives
    - Extend current Qatar diabetes/heart disease research to include genetics (Mushlin, Ghomrawi, Crystal)
    - Women’s health research project (Gerber, Murphy, Bang)
    - Infection and childbirth complications (Finkel, Witkin)
    - Informed consent in Qatar (Rodríguez del Pozo, Fins)
Future directions

- **Education**
  - Further develop elective courses and outcomes/health services track in MS in Clinical Investigation
  - Evaluate and develop medical school curriculum
  - Expand educational programs in Qatar
  - Explore new relationships with Hunter and Columbia Schools of Public Health
Future directions

- **Service**
  - Continued hospital collaborations with quality assurance initiatives
  - Continue and develop community outreach initiatives in conjunction with CTSC
  - IDDP to work with hospital for disaster preparedness initiatives
  - Reorganization of methadone clinics and Midtown Center
Future directions

- Infrastructure
  - Design and relocate to new departmental space on 67th Street – December 2008
  - Implement new college financial and administrative systems across department
400 East 67th Street

The Building:
The Laurel Condominium
Glass and limestone
31 stories / 129 residences

WMC - Public Health:
Private entrance on 67th Street
3 floors (2nd floor, 1st and 2nd concourse)

<table>
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<th>Category</th>
<th>Kips Bay</th>
<th>400 E 67th</th>
<th>change</th>
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<tr>
<td>Offices</td>
<td>28</td>
<td>43</td>
<td>+15 (54%)</td>
</tr>
<tr>
<td>Cubicles</td>
<td>34</td>
<td>42</td>
<td>+ 8 (24%)</td>
</tr>
<tr>
<td>Resident suite</td>
<td>4</td>
<td>6</td>
<td>+ 2 (50%)</td>
</tr>
<tr>
<td>Conference room seating</td>
<td>40</td>
<td>82</td>
<td>+42 (105%)</td>
</tr>
<tr>
<td>Median</td>
<td>112</td>
<td>130</td>
<td>+ 18 (16%)</td>
</tr>
<tr>
<td>Total DGSF</td>
<td>12,060</td>
<td>18,500</td>
<td>+6,440 (53%)</td>
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Thanks
Questions?
Comments?