Rutgers Center for Pharmacoepidemiology and Treatment Science (PETS)

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Mentor: Brian L. Strom, Chancellor, RBHS
PETS Vision and Mission Statements

**Vision:** To create a world-class, interdisciplinary program of research and training focused on the uses and effects of therapeutics and diagnostics in large populations

**Mission:** To advance pharmacoepidemiology and related fields by conducting world-class research and facilitating high-quality training
Taking Advantage of a Unique Opportunity

- Pharmacoepidemiology and related disciplines have historically been underdeveloped at Rutgers and UMDNJ
- Currently there exists neither a natural hub for scientists working in this field nor a formal training program for students interested in these disciplines
- Unique opportunity to create a world-class research and training program in PETS at Rutgers
  - Massive scale and breadth of “new” Rutgers and RBHS
  - Chancellor Strom is a pioneer and leader in the field
  - Fully aligned with RBHS’s strategic plan
Broad In- & External Stakeholder Consultation

- Anticipate and incorporate changes in health care, medicine, and technology
- Integrate training and research programs across disciplines
- Sustain and bolster partnerships between Rutgers and industry in education, research, and infrastructure
- Maintain a robust data infrastructure that enables ready access to and rapid analyses of diverse data sources
- Innovate in pharmacoepidemiologic research methods
- Emphasize personalized medicine/patient-centered care
PETS Program Description

- Brings together faculty with a variety of subject matter and departmental backgrounds to perform innovative, multidisciplinary science related to the use and outcomes of therapeutics and diagnostics in large populations

- Structurally interdisciplinary

- Creates a state-of-the-art research support infrastructure with large scale public and private data resources, a computing and programming core, as well as strong ties with Rutgers Health and external partners from the pharmaceutical industry, insurance providers, and contract research organizations
PETS Program Description

- No new stand-alone degrees

- Enhance existing training programs in relevant disciplines by providing courses and mentorship for students who want to focus on questions related to use and outcomes of therapeutics

- Develop certificate program(s)

- Located in the Rutgers Institute for Health (IFH)
PETS Program Description
PETS Goals and Initial Progress

◆ Working across RBHS departments and units, PETS will perform, facilitate, and advance innovative research in pharmacoepidemiology and treatment science

◆ After the 5-year start-up phase, PETS will operate as a world-class, self-sustaining center for research and training in pharmacoepidemiology and related disciplines

◆ PETS is committed to develop strong partnerships with the region’s pharmaceutical industry

◆ To date, PETS has recruited 2 additional core, full-time faculty (3 total)
Select PETS Year 1 Activities

- Receive commitment of start-up support from the Chancellor’s office
- Formally establish PETS as a Center based at IFH
- Recruit key staff
- Begin recruitment of two additional core faculty
- Establish PETS Data Core
- Establish PETS website
- Initiate stakeholder advisory workgroups
- Host 3rd Annual Rutgers Pharmacoepidemiology Retreat
- Develop formal PhD track in Pharmacoepidemiology at Rutgers SPH
- Develop adaptable, sustainable governance structure
- Begin outreach to relevant Rutgers/RBHS units and recruit associate faculty members from at least 2 units
Metrics and Lifecycle

- Number and funding $s for grant submissions and awards
- Total funding $s
- Number and quality of publications
- Trainees & training grants
- Reputation
- Impact on RBHS/Rutgers
- Impact on external stakeholders
- A comprehensive review of the PETS program will be conducted every 5 years