

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

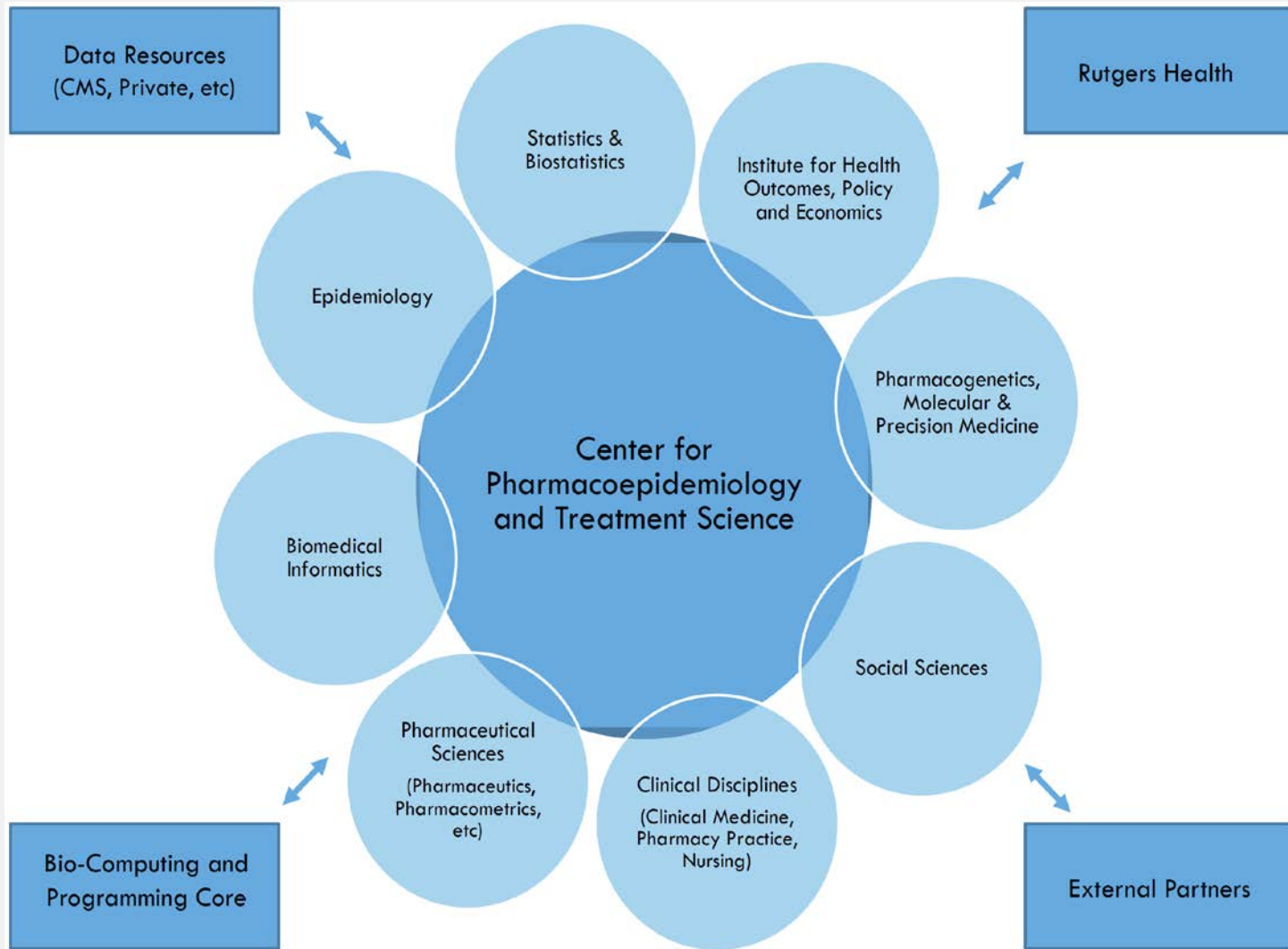
- ◆ Brings together faculty with a variety of subject matter and departmental backgrounds to perform innovative, multidisciplinary science related to the use and outcomes of therapeutics and diagnostics in large populations
- ◆ Structurally interdisciplinary
- ◆ Creates a state-of-the-art research support 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