

# Research at West Virginia University

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VP for HSC Research and Graduate  
Education



# West Virginia NIH IDeA CTR Award



- NIH U54 funding \$19.6M
- Matching Commitments \$33.5M
- Total Funding \$53.1M
- Many partners
  - ATRN



# Making the Connection: Bench to Bedside to Community

## Purpose:

- Advance development of research focused on the health issues facing West Virginians
- Engage communities fully in the research agenda
- Increase research capacity through community and industry collaborations, partnerships, recruitment and training opportunities
- Provide investigators and research teams with research tools and a local environment that encourages clinical and translational research



# Why C/T Research is Important

		National Rankings	
		West Virginia	Kentucky
Outcomes	Premature Deaths	47	42
	Cancer Deaths	49	50
	Cardiovascular Deaths	46	43
Chronic Disease	Stroke	47	45
	High Cholesterol	29	49
	High Blood Pressure	50	47
	Heart Attack	50	49
	Heart Disease	50	49
	Diabetes	50	47
Behaviors	Obesity	45	47
	Smoking	49	50

**2010 America's Health Rankings**





# How does the grant



- Infrastructure
  - Seed funding, clinical trials support, biomedical informatics, biostatistics, regulatory support
- Education
  - Certificate, M.S. in Clinical and Translational Science, Research Boot Camp, Research Scholars program



- Community Engagement
  - Practice–Based Research Network
  - Community–Based Participatory Research
- Recruitment
  - 24 Clinician–Scientists
  - All schools



# Other Opportunities





# CTR–Industry Partnerships

- Mutually beneficial
- Availability of large clinical database
- Potential for findings to be fast-tracked to patient care
- Promote awareness, collaboration, help the community, and enhance research



# WVU Clinical Data Warehouse

- 1.2M patients in database (1995–Present)
  - Demographics
  - Diagnoses (ICD–9)
  - Procedures (CPT)
  - Labs
  - Medications
  - Will connect with other sites



# Partnership is a Win-Win

- MIT and Boston University study looked at the 21 most "important" drugs introduced in the U.S. between 1965 and 1992
  - Publicly-funded research occurring at universities and NIH produced "key enabling discoveries" underlying nearly 80% of these drugs
  - Private industry turned these discoveries into viable medicines, with industry inventing more than 90% of the drugs themselves
  - Many examples



Thank You

