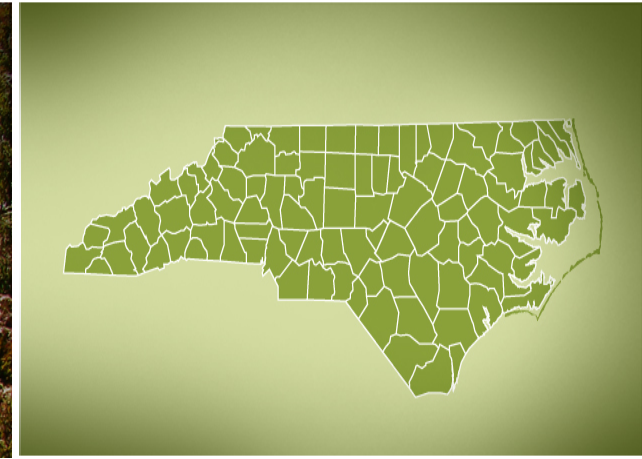
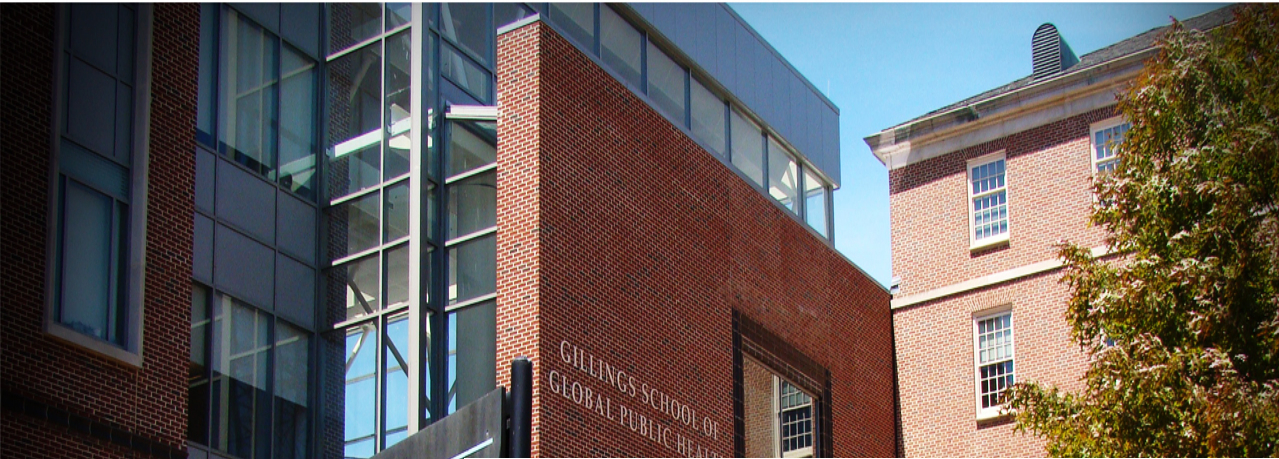
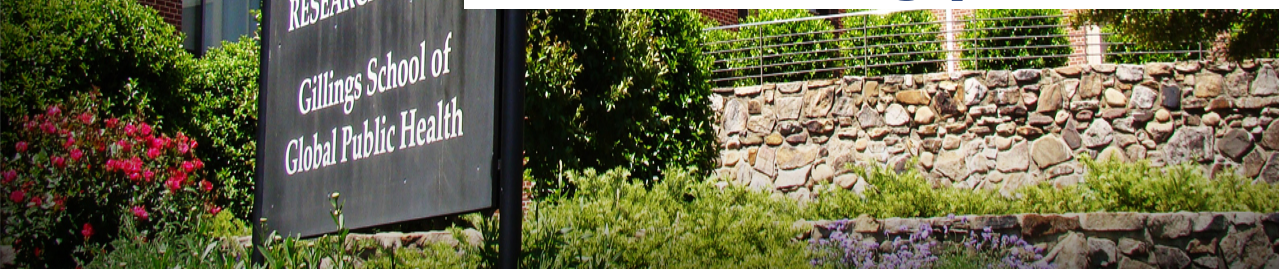


UNC Gillings School of Global Public Health



MICHAEL HOOKER
RESEARCH CENTER
Gillings School of
Global Public Health

**Anticipating the future
Accelerating public health solutions**





UNC

GILLINGS SCHOOL OF
GLOBAL PUBLIC HEALTH

**PAST
PRESENT
FUTURE**



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GLOBAL PUBLIC HEALTH



Well to the World

Rankings

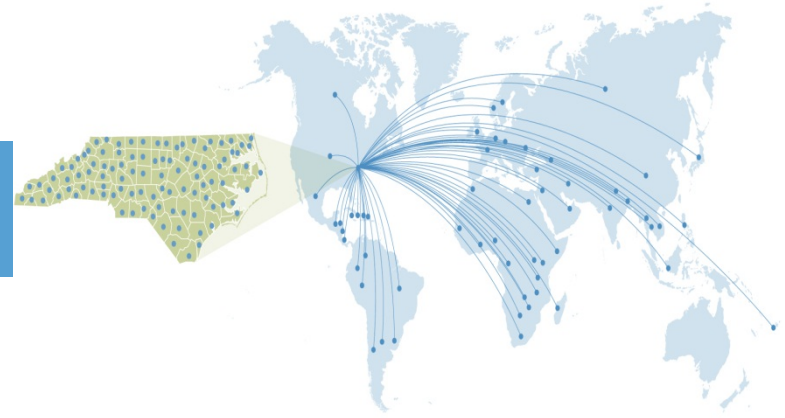
#1 *Public* school of public health
(2nd only to Johns Hopkins)

#1 Executive Masters in
Health Policy & Management

#1 Nutrition



Mission



Across North Carolina and around the world...

- Improve public health
- Promote individual well-being
- Eliminate health disparities

- Biostatistics
- Epidemiology
- Environmental Sciences & Engineering
- Health Behavior
- Health Policy & Management
- Maternal & Child Health
- Nutrition
- Public Health Leadership Program

1,746
Students

245
Faculty

325
Perm Staff

Teaching
35,000
credit hours

63 academic
programs

>\$150M
400 new
research
awards/ year

Practice & research
in all 100 NC counties,
55 countries - 5 continents

- PhD
- DrPH
- MPH
- MSPH
- MHA
- MSEE
- MSCR
- MS
- BSPH
- Certificates
- Cont. Ed

425
Grads/year:
> 85% get jobs!
Become leaders!



Students

Welcome to the Top Public School of Public Health.

YOUR FUTURE STARTS HERE.

At Gillings, we prepare public health leaders and real-world problem-solvers. Our collaborative learning environment prepares our students to become effective, innovative researchers, policy-makers, educators and public health professionals who anticipate the future and accelerate solutions.



Student-Centered

Practical Idealists

Solving world's greatest public health problems: examples

- Lack of safe water
- SARS, MERS & other emerging infections
- Malaria
- Cancer, heart disease, diabetes & stroke
- Maternal & infant deaths
- Violence against women
- Global aging

Solving world's greatest public health problems

- Global non-communicable diseases
- Unintended injuries
- Man-made & natural disasters
- Lifestyle risks & diseases
- Relationship between climate change & health effects
- Pace of clinical trials
- Under- & over-nutrition
- Health care access, cost & quality

**Teaching
Research
Practice
Dissemination
Policies
Programs
Products
Companies
North Carolina
Global**







Water

- Lab to lagoons
- Communities to companies
- SPH to University & beyond
- Teaching, research & service
- Dissemination
- Local & global

A Defining Challenge of the 21st Century

“... water represents one of the great ... opportunities of our time ... save millions of lives, feed the hungry, empower women, advance our national security interests, protect the environment ...”

Hillary Clinton, Secretary of State

Director Jamie Bartram meets Secretary Clinton



**Water is
global.**

Clean Water

NO ACCESS

1 Billion people



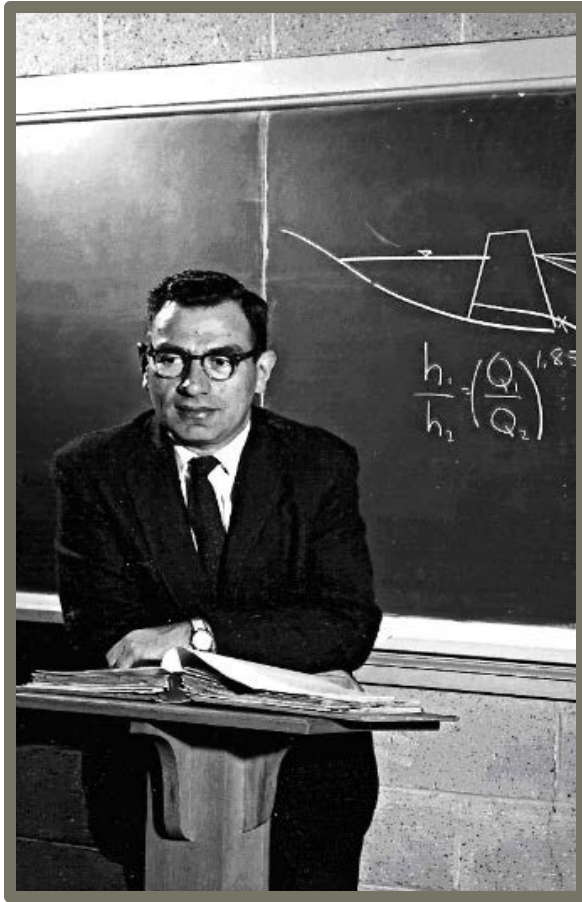
Too little, too far, too dirty

Water, Sanitation & Hygiene-Related Deaths

> 3.4 million people
die each year

**Water is
local.**

Dan Okun, PhD, Kenan Dist. Prof.



“I had my class every year studying...The title of my class was **Additional Water Supply for Chapel Hill.”**

... I provided them with a lot of data. Then they had to take the data and conclude [what] the best thing to do.”

1960s and 1970s



Yakety Yak



Daily Tar Heel



“They were considering Jordan Reservoir...”

I went to the Board of Trustees. The Board of Trustees said, “Well, doesn’t Jordan Reservoir meet the standards?””



**Cane Creek Reservoir
completed in 1988**

**Thanks to Dan Okun,
his students and others
for the Chapel Hill
water supply.**

Thanks to North Carolina Digital History

Today...

MORE GREAT LEADERS



Safer water, less illness: from the lab to the world

- Eliminated ~ 99.99% of E. Coli
- Decreased prevalence of diarrhea by 50% in Mekong Region of Vietnam
- Created WaterSHED, non-profit business in Asia to distribute water filters





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THE WATER INSTITUTE



Jamie Bartram PhD,
Director





WATER IN OUR WORLD

Sanitation Creations



**Liz Morris, ESE alumna,
2nd runner-up, UNC Social
Business Conference**



The Dungaroo

KM Water Solutions



**Alice Wang, ESE,
1st place, 2013 Carolina
Challenge**



**Water testing
plastic bags**

**In 2010, we began a
strategic planning process.**

We called it SPH2020....

SPH 2020

strategic planning process for SPH



Learning for All

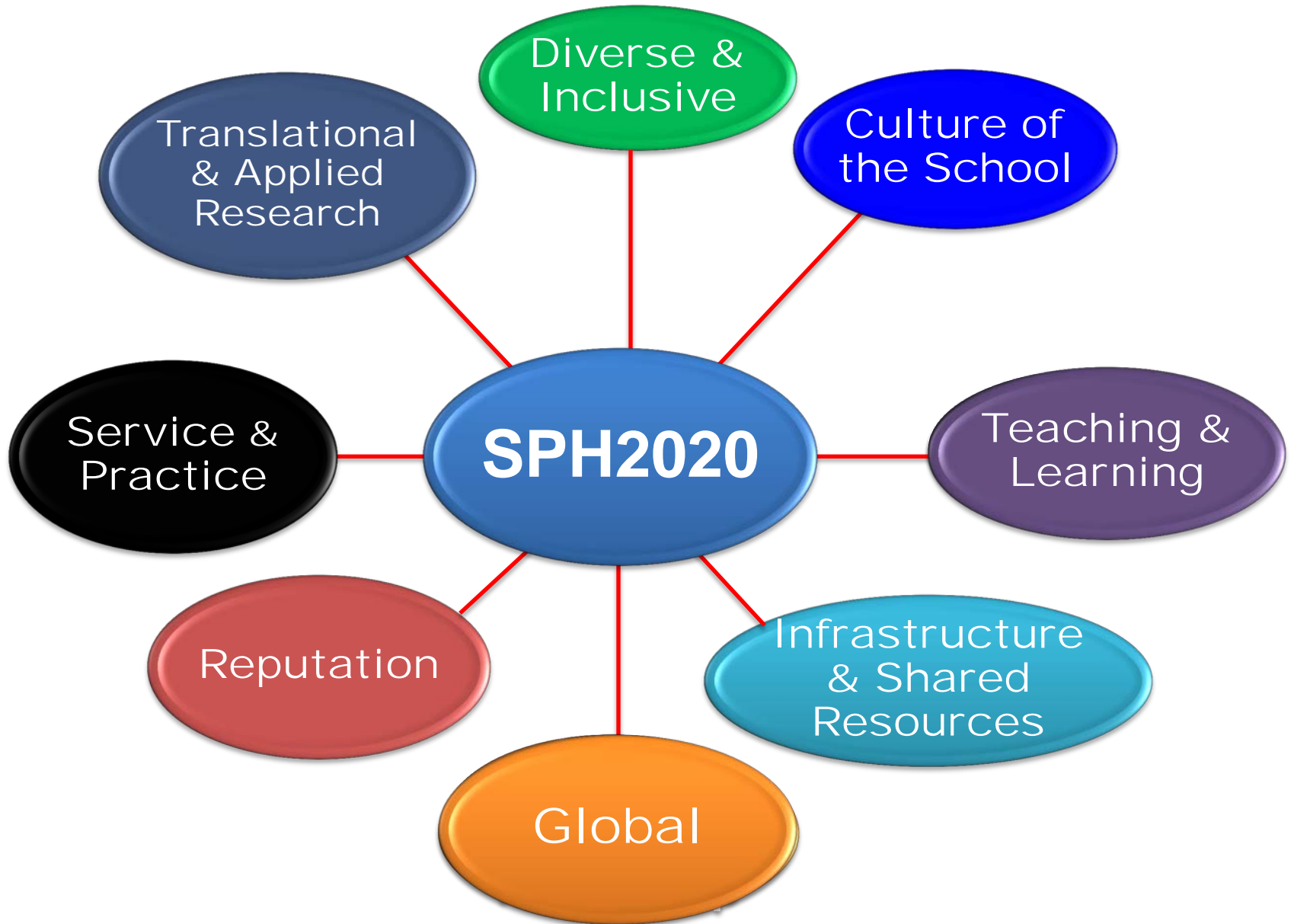
MEGATRENDS

Gd	Um	Cs	P	Lr
Globalisation & deregulation	Urbanisation & migration	Climate change & sustainability	Population & lifespan growth	Localism & re-regulation



2020





Implementing our vision

2011-12 Task Forces

- ❑ Teaching & Learning
 - ❑ Diversity and Inclusion
 - ❑ Revenue Generation
-

2012-13 Task Forces

- ❑ Admissions Practices
- ❑ Global School

**Task forces diverse in:
rank, roles, ethnicity,
organizations,
disciplines,
departments**



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Reports Completed

- **Global School Task Force & Implementation Committee**
 - Strategic partnerships
- **Revenue Generation**
- **Diversity & Inclusion Task Force**
 - Admissions Practices
- **Teaching & Learning**



McGavran-Greenberg collaboration space and Rosenau day lockers



Gillings Global Gateway



GILLINGS GLOBAL GATEWAY

North Carolina Roots. Worldwide Reach.

Global, Online MPH

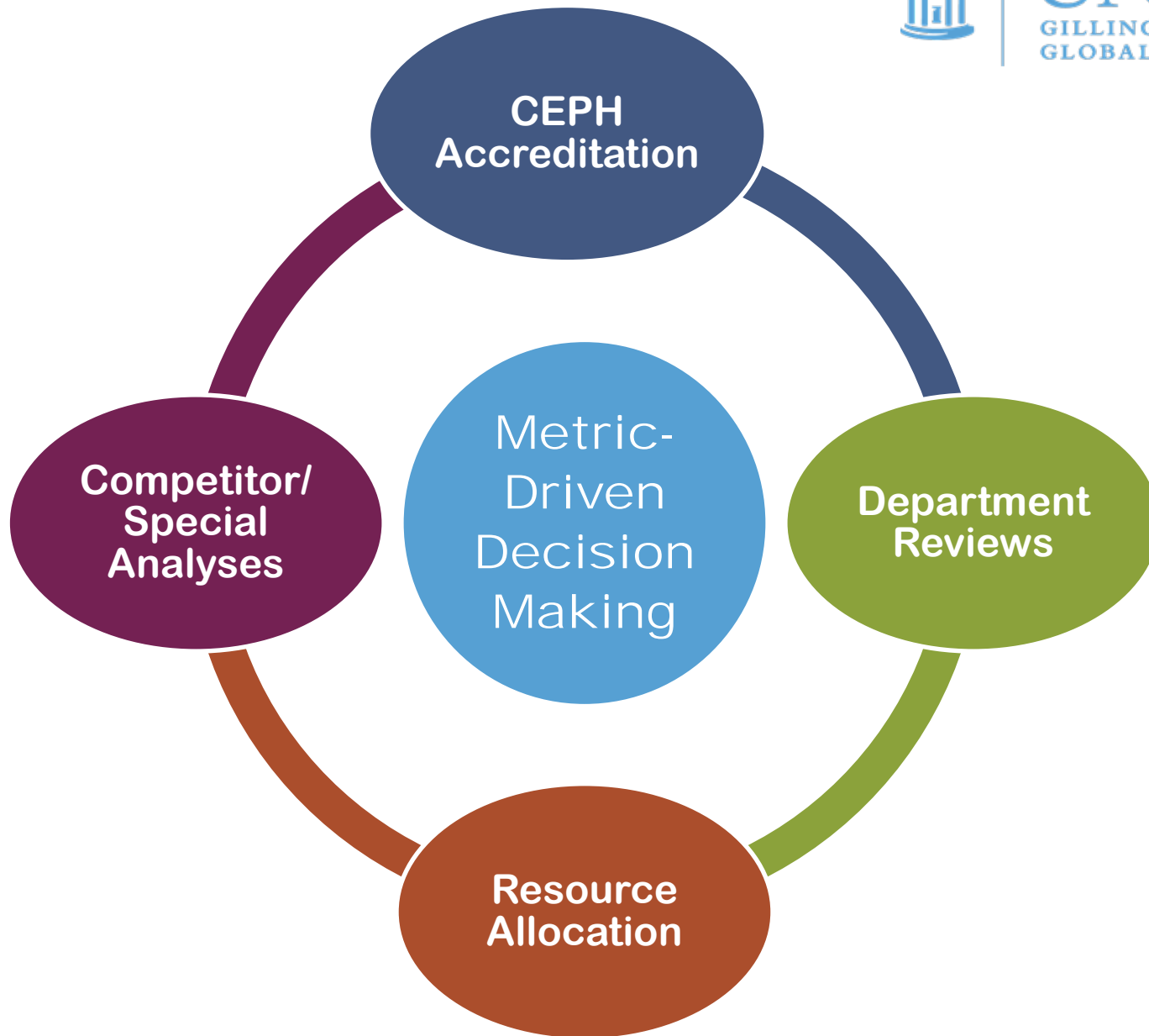




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Metric-Driven Decision Making... Critical for a Strong Future



Accreditation Assessment

Council on Education in Public Health

Goal I: Education

4 Objectives & 11 Metrics

- Student Diversity & Quality
- Program Quality
- Educational Environment

Goal II: Research

5 Objectives & 12 Metrics

- Productivity
- Training
- Dissemination
- Innovation

Goal III: Service

4 Objectives & 8 Metrics

- Practice
- Service
- Engaged Scholarship
- Practice In Research & Education Mission

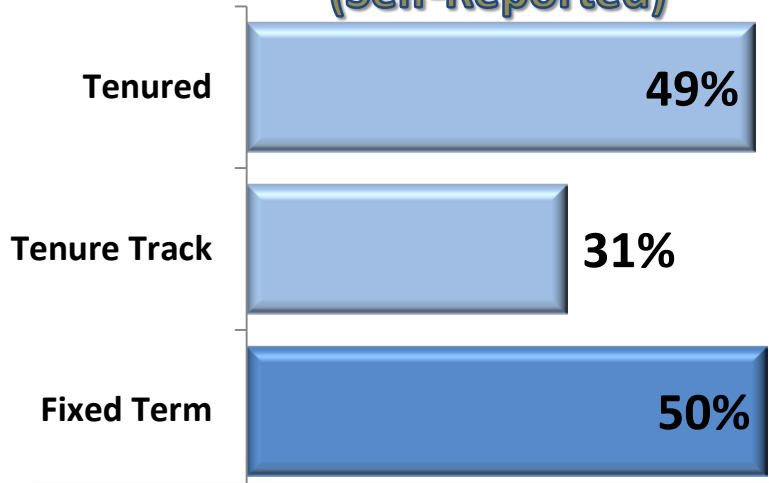
Goal IV: Faculty & Staff

5 Objectives & 7 Metrics

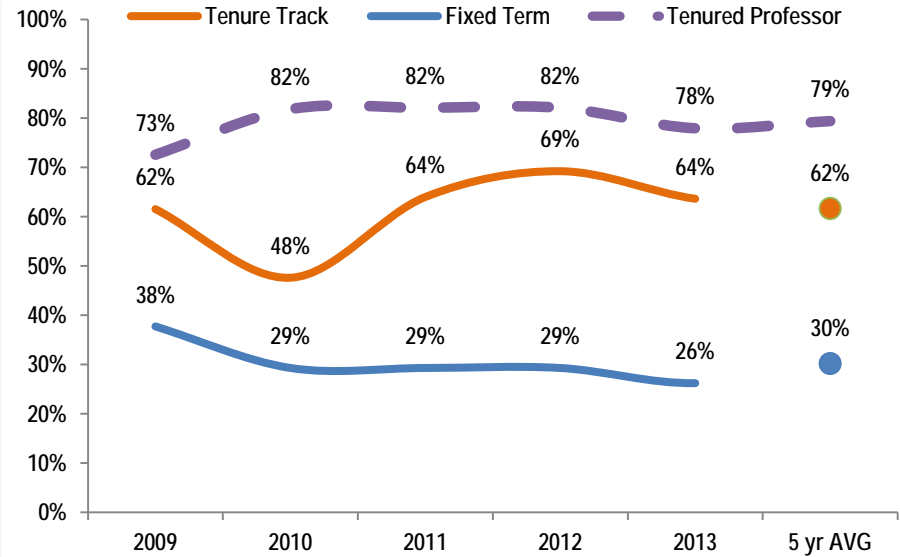
- Faculty & Staff Diversity & Quality
- Practice Experience
- Collaboration
- Mentoring

SPH Metrics

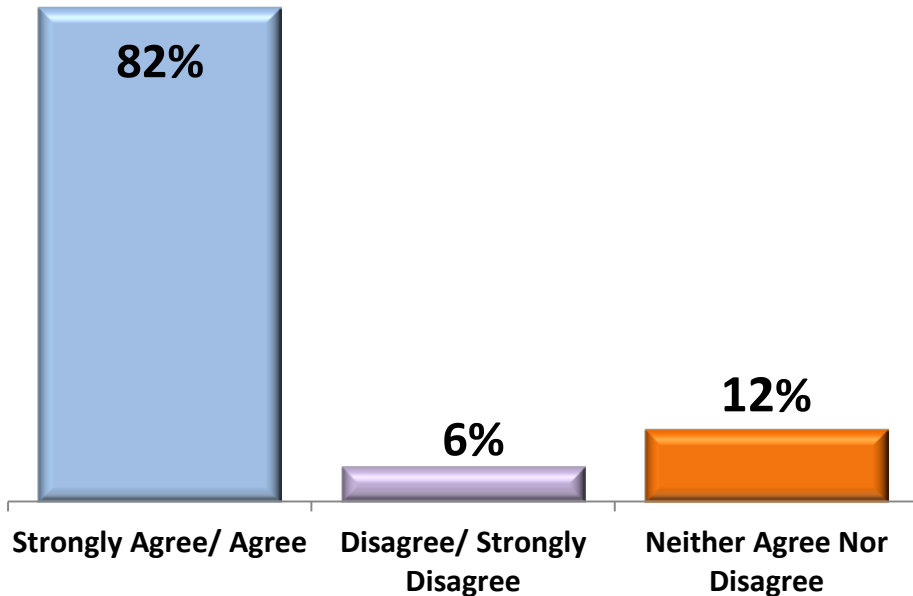
Innovative Technology Use (Self-Reported)



Asst Professor PIs



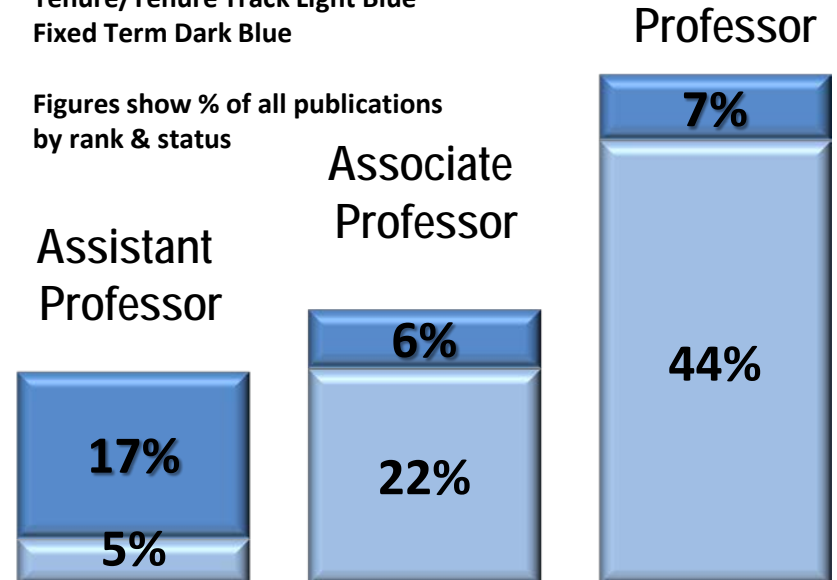
Course Evaluations: Effective Teacher



7:1-- publications : faculty member

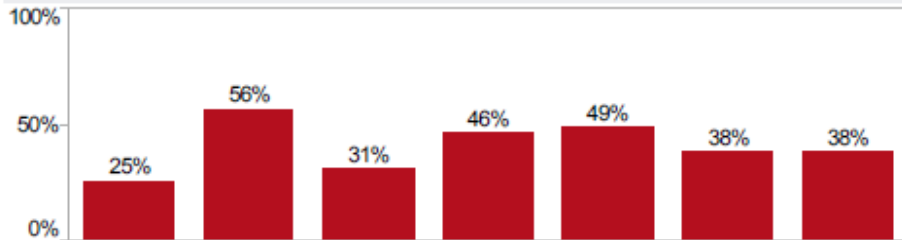
Tenure/Tenure Track Light Blue
Fixed Term Dark Blue

Figures show % of all publications
by rank & status

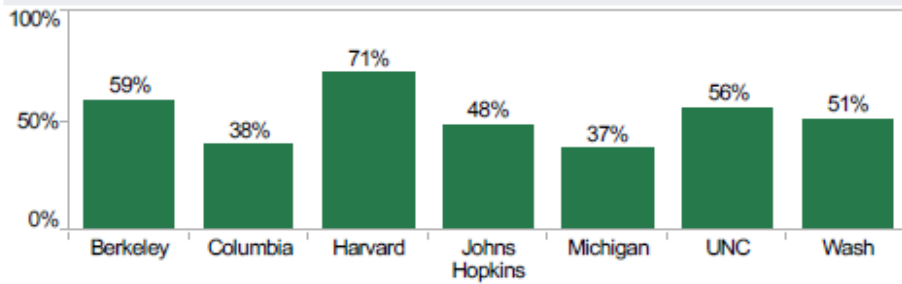


Competitor Analysis – Peer Comparisons

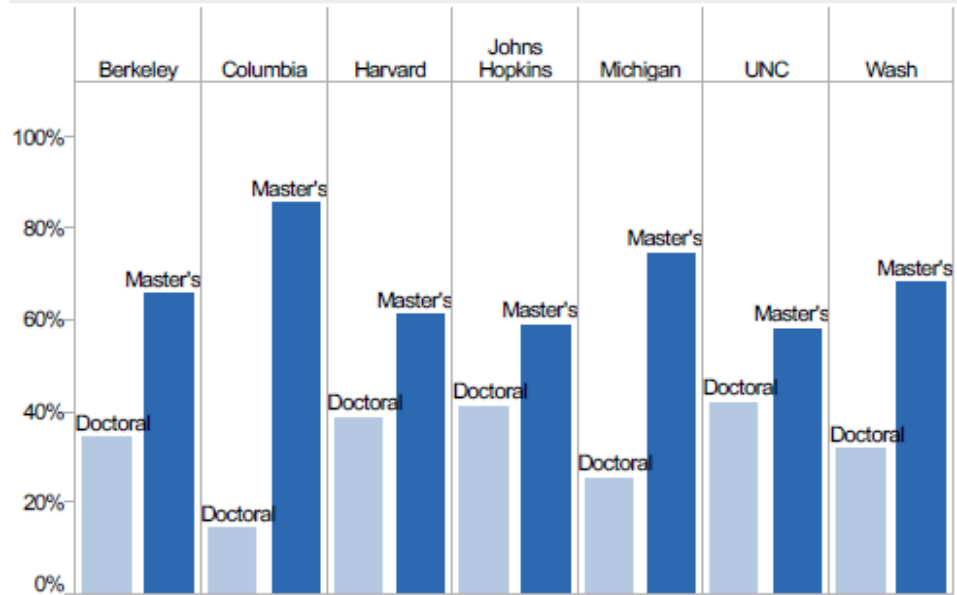
Percentage of Applicants Accepted, Fall 2012



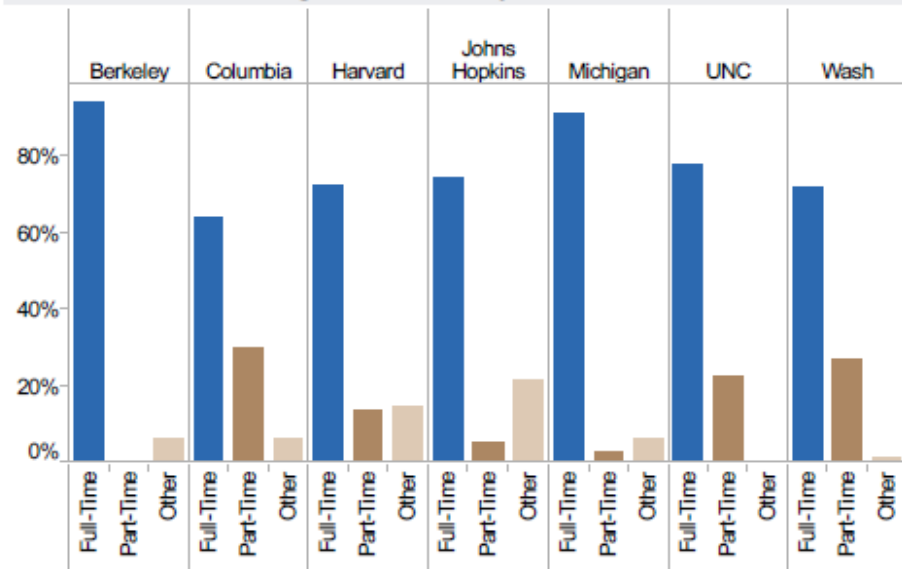
Yield, Fall 2012



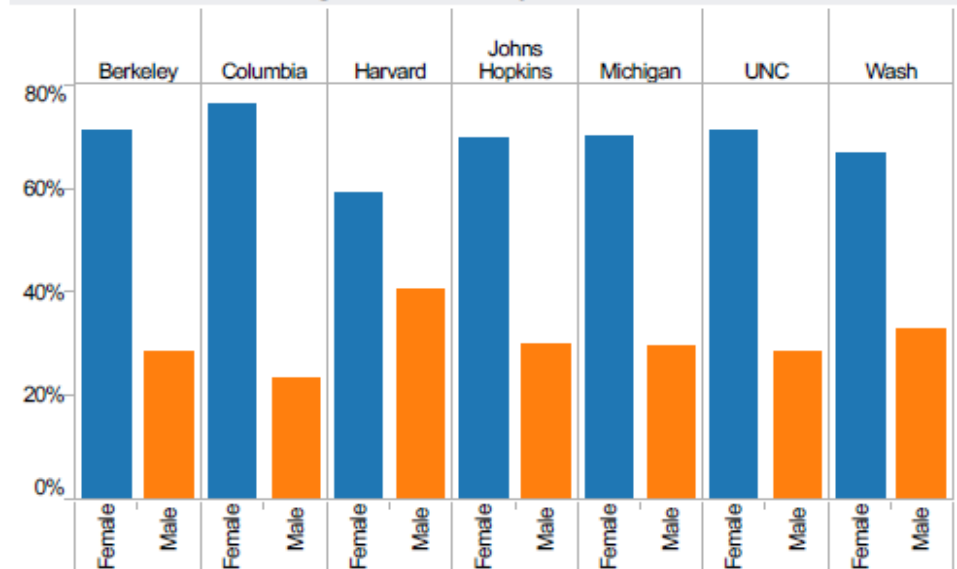
Percentage of Students by Degree Objective, Fall 2012



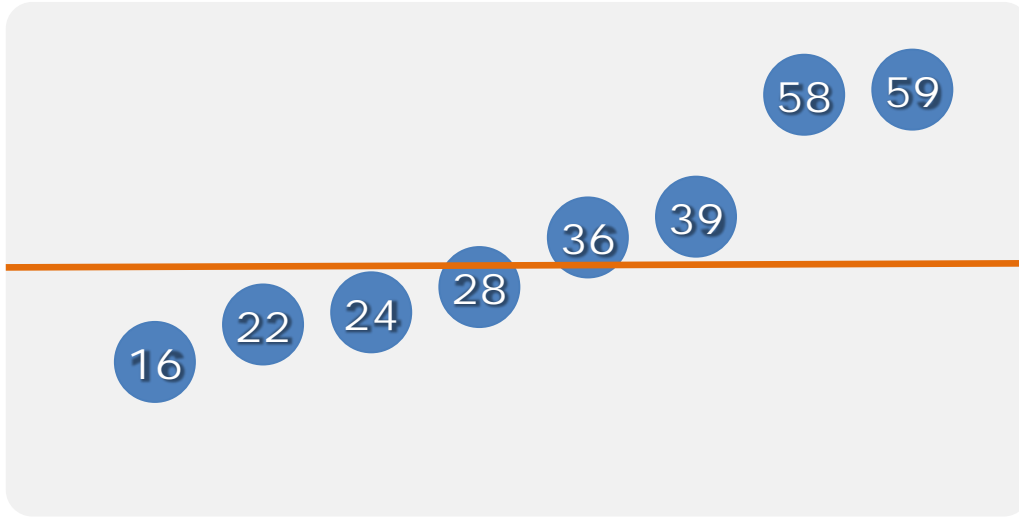
Percentage of Students by Status, Fall 2012



Percentage of Students by Gender, Fall 2012

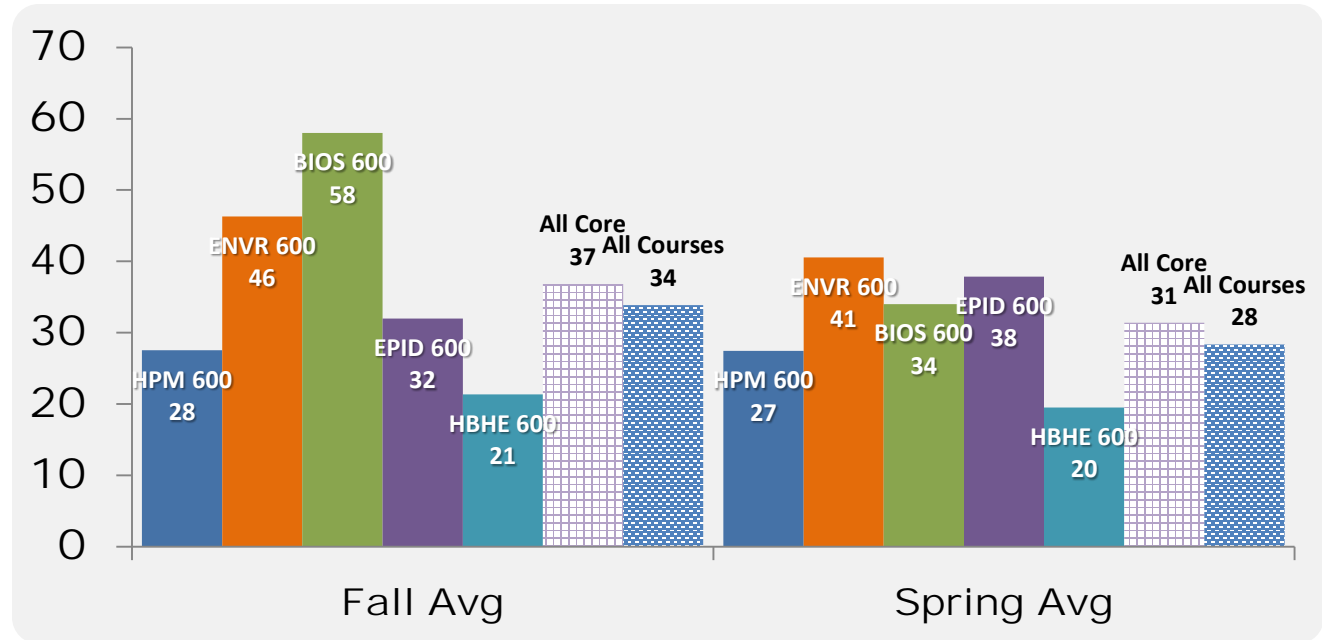


Special Analyses: TA Ratios by Department



**School average all courses
34 students to 1 TA**

**Core course average
37 students to 1 TA**



SPH State Budget Allocation Model Components

Enrollment & Teaching Measures

- **TSCH** (Taught Student Credit Hours)
- **FTE** (Enrolled student full time equivalents)

Weights By Degree Type

- **Doctoral**
- **Masters**
- **Undergraduate**
- **Certificate**

Value Equivalent Ratios

- **Derived from degree type weightings, FTE, TSCH**

Adjustments

- **Strategic allocation for School initiatives**
- **Manual adjustments after formula**

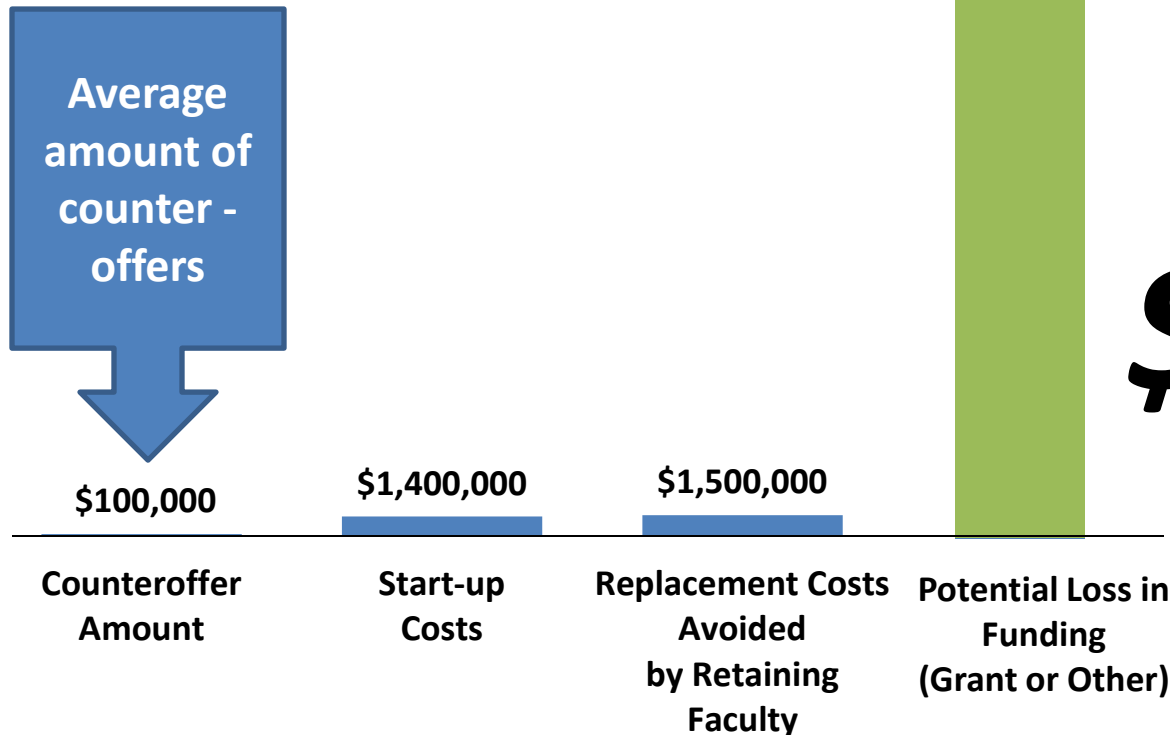
Implementation factor

- **Spreads results over multiple years for *gradual change***

\$

- **Permanent state budget change to each department**

Economics of SPH Faculty Recruitment and Retention



\$24.5 M
Average amount of research awards for ALL faculty retained in a given year

ROI: \$100K Investment for \$24.5M Research Awards
Economic Impact on NC = \$29.4M

Economic Impact

\$154 M

Research awards/year with SPH PIs

5,555
Jobs

2,267 Jobs

\$63M

\$142M

\$165M

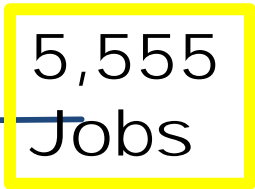
\$154M

\$154M

1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013

Total Awards

Jobs Resulting from Awards



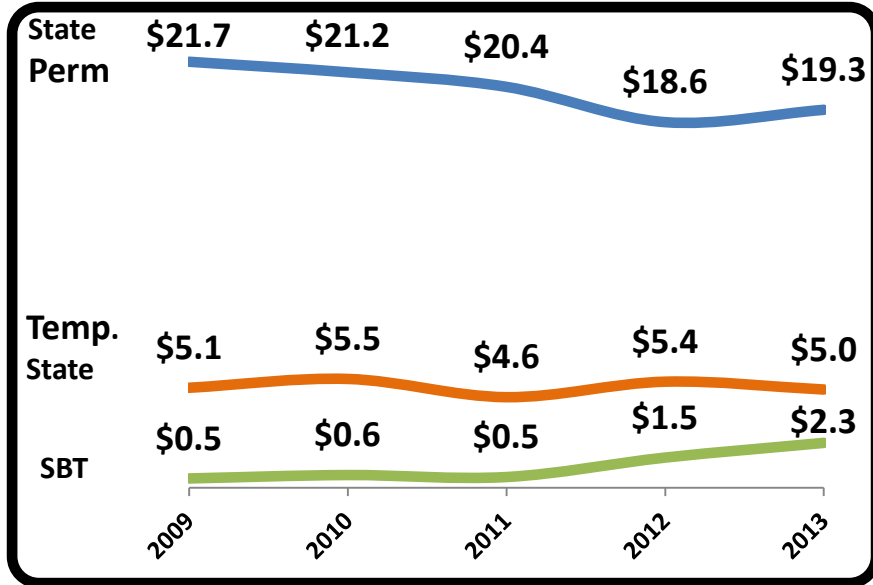
**Solving some of
the world's
greatest health
threats and
problems**



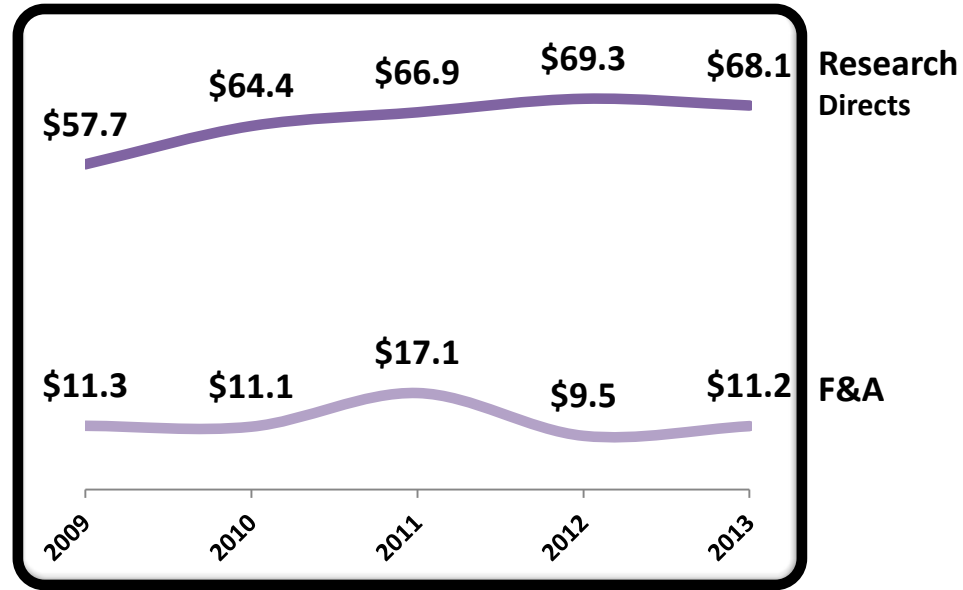


Revenue Trends by Source Type

State



Research



Trusts and Misc

