

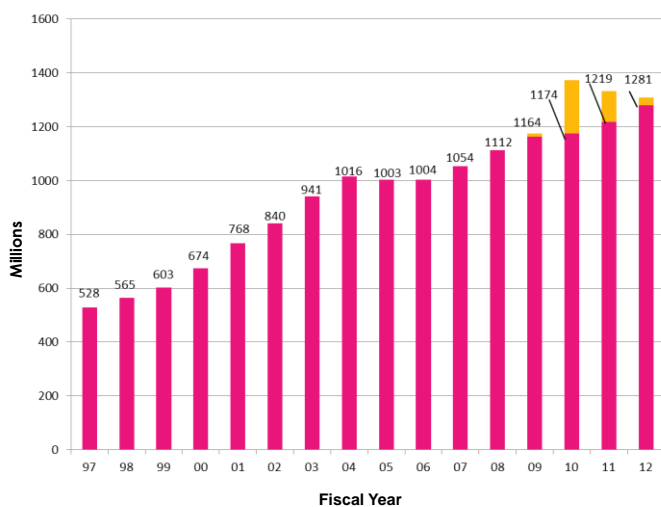
APPENDIX N

Research and Graduate Education at UNC...

- Is key to the mission of the university (...to discover, create, transmit, and apply knowledge...)
- Takes place at all UNC institutions
- Is integral to:
 - Knowledge discover and creation
 - Extension, engagement, and economic development
 - Instruction
- Involves all facets of the university community – faculty, staff, students (graduate and undergraduate), partners

The University of North Carolina Trends in Awards

Sponsored Programs from FY97 to FY12



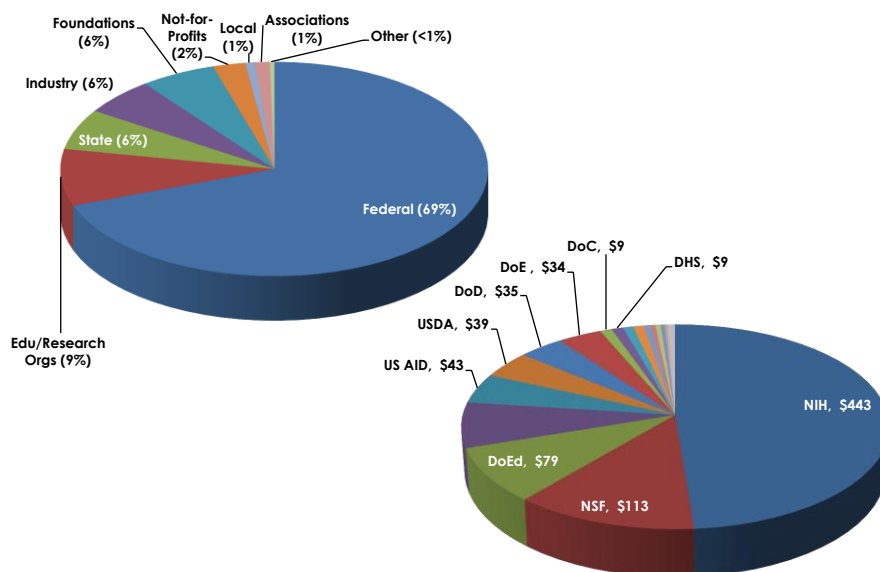
In the last 16 years, UNC sponsored program activity has doubled, even without the recent boost from ARRA funds (shown in gold). A significant factor in this rapid growth has been the ability of UNC institutions since FY99 to retain the facilities and administrative (F&A) receipts that are awarded to help institutions cover the costs of conducting research. UNC institutions utilize F&A receipts to, among other things, maintain and expand research infrastructure like equipment; invest in new research through matching funds, seed grants and "start up" packages for new faculty; support library holdings; and ensure compliance with federal and other regulations.

Note: To avoid double-counting, inter-institutional subagreements are not included in Annual Awards.

■ ARRA
■ Annual Awards

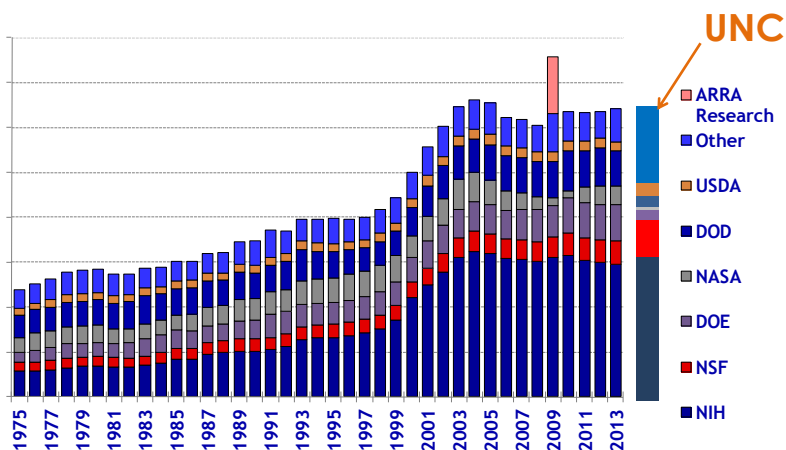
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Sources of support



Trends in Research by Agency, FY 1975-2013

Billions of FY 2012 Dollars



Source: 1975-1994 figures are from the NSF federal funds survey; remainder is from AAAS R&D reports. FY 2012 figures are latest estimates, FY 2013 is the President's budget.
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Trends and Issues

- ▣ Flat federal funding for research
- ▣ Concentration of funding at top universities
- ▣ More funding for large, **multi-institutional**, multi disciplinary centers to tackle big problems, take on grand challenges of the world, make a difference
- ▣ Funding agencies are looking for broader impacts, commercial possibilities, societal benefits
- ▣ Increased burdens of reporting/compliance rules and regulations

BOG Federal Priorities w.r.t. Research

- ▣ Preserve funding levels for agencies
- ▣ Relief from rules and regulations whose cost do not justify the expense
- ▣ Enforce F&A cost-reimbursement rates
- ▣ Immigration reform to allow expedient recruitment of international faculty and graduate students

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Return on Investment – An Example: University Cancer Research Fund (UCRF)

State Investment since 2008 of \$209M has resulted in:

- ▣ Hiring and retention of 129 outstanding cancer researchers – the base for future excellence
- ▣ High impact publications and worldwide recognition (cancer genetics, novel therapeutics, outcome optimization, clinical infrastructure)
- ▣ Extramural funding (\$88M 2012, \$244M total), outcompeting peers
- ▣ Spin-off commercialization successes
- ▣ Economic impact of \$968M, including >5,000 jobs

- ▣ Advances towards understanding and reducing cancer in NC and across the globe.