

# **RESEARCH AND ECONOMIC DEVELOPMENT**

## **RESEARCH**

### **ANNUAL RESEARCH AND SPONSORED PROGRAM EXPENDITURES (MILLIONS)**

The total annual expenditures from externally-sponsored projects for all purposes (research, teaching and public service) for UT campuses and institutes. Expenditures include:

- All sponsored project expenditures (including direct costs and Facilities and Administrative costs)
- All sponsored project expenditures (including instruction, research, public service, and other functions)
- Contracts, Interns and Residents (including Graduate medical Education), Grants, Cooperative Agreements, Non-exchange Transactions and Centers of Excellence.

Campuses and institutes enter all sponsored activity data into the COEUS database. Expenditures by the graduate interns and residents program at the Medical Center at Knoxville are added manually.

### **EXTERNALLY FUNDED FACULTY (%)**

Percentage of UT faculty members (Assistant Professor, Associate Professor or Professor) who have scholarly programs (research, public service or instruction) funded by external grants or contracts. The grant or contract must be currently active, but need not pay a portion of the faculty member's salary.

### **INVENTION AND CREATION DISCLOSURES**

The number of intellectual property disclosures, including inventions and creations during an academic year. (Same as the report supplied to Association of University Technology Managers) (AUTM). This metric includes Intellectual Property disclosures that originate from UT-Battelle (ORNL) if one of the inventors is a UT employee.

## **ECONOMIC DEVELOPMENT**

### **INTELLECTUAL PROPERTY DEVELOPMENT (PATENTS + START-UP COMPANIES + LICENSES AND OPTIONS)**

The number of patents issued, start-up companies launched, and licenses and options granted for a fiscal year basis. This metric includes patents issued and number of start-up companies that originate from UT-Battelle (ORNL) if one of the inventors is a UT employee. This number is reported to AUTM.

### **JOBS CREATED OR MAINTAINED**

The number of jobs created or maintained by research and technology assistance programs across the UT system, estimated using a standard reporting form and incorporates the Department of Defense formula currently utilized by UT Institute for Public Service (IPS). This formula estimates that additional revenues of \$50,000 results in one additional job in the commercial sector. Savings of expenditures are not included as revenue and are not included in job calculation. In addition, the number of actual jobs (Full-time equivalents (FTEs) funded by grant and contract funding, both from sources outside Tennessee and Tennessee sponsors, awarded to UT is determined from annual payroll records. Research jobs created by funds from sources outside Tennessee and Tennessee based sponsors are included. The report covers the calendar year.

### **ESTIMATED ECONOMIC IMPACT OF TECHNOLOGY TRANSFER (MILLIONS)**

The total direct dollars generated within Tennessee attributable to technology transfer and technical or professional assistance provided by UT faculty or staff or the UT Research Foundation (UTRF). The report does not include impacts of outside consulting.

- Include from UTRF: license fees, royalty fees, value of equity holdings, and venture capital attracted.
- Include from UTRF, IPS, UT Extension, Agriculture Experiment Station and campuses the value of new product development as a result of technical assistance, the value of increased income as a result of technical or professional assistance, the value of new jobs as a result of technology transfer or technical assistance, the increase in sales as a result of technology transfer or technical assistance, and the investment in plant and equipment as a result of technology transfer or technical assistance.

## **OUTREACH AND GLOBALIZATION**

### **OUTREACH**

#### **PATIENTS OR CLIENTS SERVED THROUGH OUR UNITS (THOUSANDS)**

The number (headcount) of individuals served through an outreach program at UT. The number includes:

- patients (medical or veterinary)
- clients of diagnostic laboratories (soil testing laboratory, plant disease diagnostic laboratory, veterinary necropsy laboratory, etc.)
- enrollees in non-credit short courses or continuing education courses
- participants in field days, workshops and other educational events
- visitors to UT's gardens, arboretum, museums, and UT-sponsored cultural events (theater, dance, music)
- participants in programs sponsored by UT Extension