UNIVERSITY OF WYOMING
COLLEGE OF HEALTH SCIENCES
ECONOMIC AND COMMUNITY IMPACT ON THE STATE OF WYOMING

July 2015
About Tripp Umbach

- Tripp Umbach has experience throughout the U.S. in completing research, planning, and economic impact studies for academic health centers, major research universities, hospitals, corporations, nonprofits, and research partnerships such as:
  - GE (Healthcare + Corporate)
  - Penn Medicine
  - University of Arizona
  - University of Minnesota
  - University of Montana WWAMI Program
  - University of Pittsburgh
  - University of Washington
  - UW Medicine

- Tripp Umbach has made numerous presentations on the topic of economic impact of universities and hospitals at state and national conferences.

- Since 1995, Tripp Umbach has completed national studies of the economic impact of all 130 medical schools and 400 teaching hospitals for the Association of American Medical Colleges (AAMC).
Study Goals + Overview

• Quantify **annual** economic impact of the University of Wyoming Health Sciences Program
• Quantify the employment impact
• Quantify the government revenue impact at the state and local level
• Provide a defensible, conservative impact study which shows the impact on the State of Wyoming

**UNIVERSITY OF WYOMING HEALTH SCIENCES OPERATIONAL IMPACT**

**STUDY OVERVIEW:**
Fiscal year 2013

**THIS STUDY INCLUDES:**
- Communications Disorders
- Family Medicine Residency Program Casper
- Family Medicine Residency Program Cheyenne
- Kinesiology
- Nursing
- Pharmacy
- Social Work
- WIND
- WWAMI
- WyGEC

**STUDY GEOGRAPHY:**
State of Wyoming

**METHODOLOGY:**
IMPLAN
Methodology + Assumptions
Study Methodology – IMPLAN

- Tripp Umbach utilized the IMPLAN (input-output modeling software) methodology. The model uses the most recent economic data from public sources such as the U.S. Bureau of Economic Analysis (BEA), the U.S. Department of Labor’s Bureau of Labor Statistics (BLS), and the U.S. Census Bureau. It uses this data to predict effects on a regional economy from direct changes in employment and spending.

- IMPLAN is designed for running economic impact analyses, which are useful in evaluating the economic contribution of a sector of the economy.

- Customized to Wyoming economy utilizing conservative assumptions.
Calculating Economic Impact with IMPLAN

- The impacts presented in this study are based upon actual data provided to Tripp Umbach by the University of Wyoming Health Sciences.
Definitions of Impact Terms

• Three types of impact are presented in the analysis: 1) Direct; 2) Indirect; and 3) Induced.
• Multipliers in this study, derived by IMPLAN, range from 1.87 to 2.1.
University of Wyoming Health Sciences
Annual Economic Impact

$85.0 million in total economic impact annually

859 jobs supported and sustained

$3.7 million in state and local tax revenue generated annually
Generating Significant Economic Impact

The **annual** economic impact of the University of Wyoming Health Sciences Programs is **$85.0 million**.
Economic Impact Breakout

- **WyGEC**: $710,027
- **COMMUNICATIONS DISORDERS**: $5.0 M
- **FAMILY MEDICINE RESIDENCY CASPER**: $13.2 M
- **FAMILY MEDICINE RESIDENCY CHEYENNE**: $9.9 M
- **KINESIOLOGY**: $10.3 M
- **NURSING**: $12.1 M
- **PHARMACY**: $13.4 M
- **SOCIAL WORK**: $3.1 M
- **WIND**: $4.6 M
- **WWAMI**: $12.7 M

**TOTAL**: $85 MILLION
**Impacting multiple sectors in the economy**

**TOP 5 SECTORS IMPACTED IN THE WYOMING ECONOMY BY THE UNIVERSITY OF WYOMING HEALTH SCIENCES, BY ECONOMIC OUTPUT**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ECONOMIC OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLEGES/UNIVERSITIES</td>
<td>$20,758,083</td>
</tr>
<tr>
<td>HOSPITALS</td>
<td>$14,093,153</td>
</tr>
<tr>
<td>REAL ESTATE ESTABLISHMENTS</td>
<td>$11,356,606</td>
</tr>
<tr>
<td>RESTAURANTS</td>
<td>$4,951,109</td>
</tr>
<tr>
<td>HOTELS AND MOTELS</td>
<td>$3,214,076</td>
</tr>
<tr>
<td>OTHER SECTORS</td>
<td>$30,657,102</td>
</tr>
<tr>
<td><strong>TOTAL ALL SECTORS</strong></td>
<td><strong>$85,030,129</strong></td>
</tr>
</tbody>
</table>
UW Health Sciences Generates Impact Throughout the Entire State
Creating and Sustaining Jobs

The University of Wyoming Health Sciences supports and sustains 859 jobs in the State of Wyoming.

EMPLOYMENT IMPACT OF UNIVERSITY OF WYOMING HEALTH SCIENCES (IN JOBS)

<table>
<thead>
<tr>
<th></th>
<th>Direct</th>
<th>Indirect/Induced</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>368 JOBS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>491 JOBS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>859 JOBS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Employment Impact Breakout

- **WyGEC**: 7 jobs
- **Communications Disorders**: 59 jobs
- **Family Medicine Residency Casper**: 121 jobs
- **Family Medicine Residency Cheyenne**: 104 jobs

**Total**: 859 jobs
Sustaining Jobs in the Broader Economy

**TOP 5 SECTORS IMPACTED IN THE WYOMING ECONOMY BY THE UNIVERSITY OF WYOMING HEALTH SCIENCES, BY EMPLOYMENT**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>EMPLOYMENT IMPACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLEGES/UNIVERSITIES</td>
<td>226 JOBS</td>
</tr>
<tr>
<td>HOSPITALS</td>
<td>145 JOBS</td>
</tr>
<tr>
<td>REAL ESTATE ESTABLISHMENTS</td>
<td>95 JOBS</td>
</tr>
<tr>
<td>RESTAURANTS</td>
<td>87 JOBS</td>
</tr>
<tr>
<td>HOTELS AND MOTELS</td>
<td>31 JOBS</td>
</tr>
<tr>
<td>OTHER SECTORS</td>
<td>275 JOBS</td>
</tr>
<tr>
<td><strong>TOTAL JOBS</strong></td>
<td><strong>859 JOBS</strong></td>
</tr>
</tbody>
</table>
Supporting the State and Local Tax Base

The University of Wyoming Health Sciences generate $3.7 million ($2.0 million direct).

STATE AND LOCAL GOVERNMENT REVENUE IMPACT
UW HEALTH SCIENCES

$2.0 M
DIRECT

$1.7 M
INDIRECT/INDUCED

$3.7 M
TOTAL
ADDITIONAL IMPACTS GENERATED THROUGHOUT WYOMING
Practicing WWAMI Physicians and Family Medicine Residency Graduates Generate Significant Impact

WWAMI and Family Medicine graduates (138 clinicians) working in Wyoming generate $154 million annually in economic impact, support 773 jobs, and generate $4.4 million in state and local tax revenue.

**IMPACT OF PRACTICING WWAMI GRADUATES**

The *annual* economic impact of clinicians (57 physicians) who graduated from the WWAMI Program and are practicing within Wyoming is significant:
- Generate $63.6 million
- Support and sustain 319 jobs
- Generate $1.8 million in state and local tax revenue

**IMPACT OF PRACTICING FAMILY MEDICINE RESIDENCY GRADUATES**

The *annual* economic impact of graduates (81 physicians) of the Family Residency Program and are practicing within Wyoming is significant:
- Generate $90.4 million
- Support and sustain 454 jobs
- Generate $2.6 million in state and local tax revenue
Practicing WWAMI Physicians and Family Medicine Residency Graduates Generate Significant Impact
Volunteerism & Charitable Giving

WWAMI and Family Medicine staff, faculty, and students generate $3.2 million annually in volunteer and charitable giving for the State of Wyoming.

UNIVERSITY OF WYOMING HEALTH SCIENCES VOLUNTEERISM AND CHARITABLE GIVING (IN MILLIONS)

- **VALUE OF VOLUNTEER ACTIVITIES**
  - Students, Staff, and Faculty: $2.42 M

- **TOTAL CHARITABLE GIVING**
  - Students, Staff, and Faculty: $.77 M

- **TOTAL VOLUNTEER AND CHARITABLE CONTRIBUTIONS UW HEALTH SCIENCES**
  - $3.19 M
Key Takeaways for UW Health Sciences

- $85.0 million in annual economic impact.
- 303 jobs created and supported.
- $3.7 million generated annually in state and local taxes.
- $154 million annually in additional impact generated by practicing WWAMI and Family Medicine Residency graduates.
- $3.2 million in charitable giving and volunteerism for the State of Wyoming.
QUESTIONS + ANSWERS

- $85.0 million in total economic impact annually
- 859 jobs supported and sustained
- $3.7 million in state and local tax revenue generated annually