Economic Return on Investment for Rural Communities in Canada & Australia

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- Opened September 2005
- Faculty of Medicine of Lakehead
- Faculty of Medicine of Laurentian
- Social Accountability mandate
- Commitment to innovation
Student funds

Other Student expenditures

Student fees

Grant revenue

Provincial funds

NOSM revenue

Local Housing Spending

Local Retail Spending

Local Salaries

Other Local Spending

leakage

Sum local direct expenditures

Apply multiplier

Total Economic Contribution
Socioeconomic Impact

• >$100M new economic activity in 2016
  - NOSM budget of $43M
• > 800 new jobs
• economic development
• benefit to small communities
• universities new research & pro schools
• HRH recruitment success
• communities feel empowered
Total spending (+) in fiscal year 2014/2015 and economic impact (bars) on communities for fiscal Year 2016/2017.
National Weighted Activity Unit (NWAU)

- Is the single measure of cost across all service lines – admitted services, ED services, subacute and non-admitted

- Examples
  - Uncomplicated hip replacement 4.1429 NWAU
  - Non-admitted Triage 1 ED presentation 0.2780 NWAU
  - General medical outpatient service 0.0427 NWAU
  - Palliative Care – terminal phase 0.6192 NWAU
Comparing rural with urban using complexity standardised patient equivalents

2017 - 2018 Comparison

Urban average $4910

<table>
<thead>
<tr>
<th>Size</th>
<th>Group 0</th>
<th>Group A</th>
<th>Group B</th>
<th>Group C</th>
<th>Group D</th>
<th>Group E</th>
<th>Group F</th>
<th>Group G</th>
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</thead>
<tbody>
<tr>
<td>exp &lt; $0.5M</td>
<td>NW AU</td>
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<tr>
<td>0 - 259.9</td>
<td>260 - 459.9</td>
<td>460 - 659.9</td>
<td>660 - 1049.9</td>
<td>1050 - 1699.9</td>
<td>1700 - 2499.9</td>
<td>2500+</td>
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Type A, Type B, Type C, Very remote

Cost

$0, 2000, 4000, 6000, 8000, 10000, 12000, 14000
More expensive – yes and no

• More expensive
  – More Isolation
  – Smaller Size
  – Providing surgery and birthing
  – Locum staff

• Less expensive
  – Generalist model
  – More than 1000 average complexity patients

Other factors
References


• Hogenbirk et.al. The economic contribution of the Northern Ontario School of Medicine to communities participating in distributed medical education. *Can J Rural Med.* 2015; 20(1)