



Independent Hospital Pricing Authority and Paxton Partners

TEACHING TRAINING AND RESEARCH COSTING STUDY

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OVERVIEW

- Project Recap
- Outcomes and initial findings
- Classification development



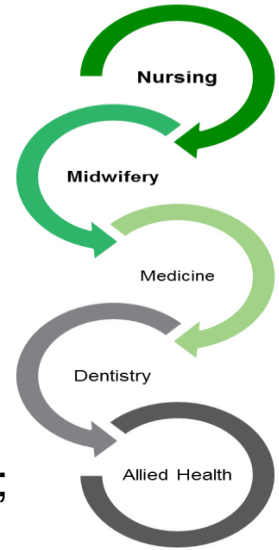


PROJECT RECAP

PROJECT CONTEXT

The Definitions and Cost Drivers Project set the foundation and scope parameters for a TTR costing study

- IHPA engaged a consortium led by Paxton Partners to undertake the TTR project of activity and cost data collection across a sample of Australian hospitals;
- 19 sites participated - 13 from Queensland, 5 from WA and 1 from SA;
- Main project output - preparation of a costed TTR data file to inform the development of a TTR classification.
- Data collection commenced in May 2015
- Included both prospective (May to October inclusive) and retrospective (January to April) elements in an attempt to capture seasonal impacts on TTR activity;



DEFINITIONS OF TTR

Definition of teaching and training (T&T)

Teaching and training describes:

“the activities provided by or on behalf of a public health service to facilitate the acquisition of knowledge, or development of skills. These activities must be required for an individual to:

- *attain the necessary qualifications or recognised professional body registration to practice;*
- *acquire sufficient clinical competence upon entering the workforce; or*
- *undertake specialist/advanced practice*

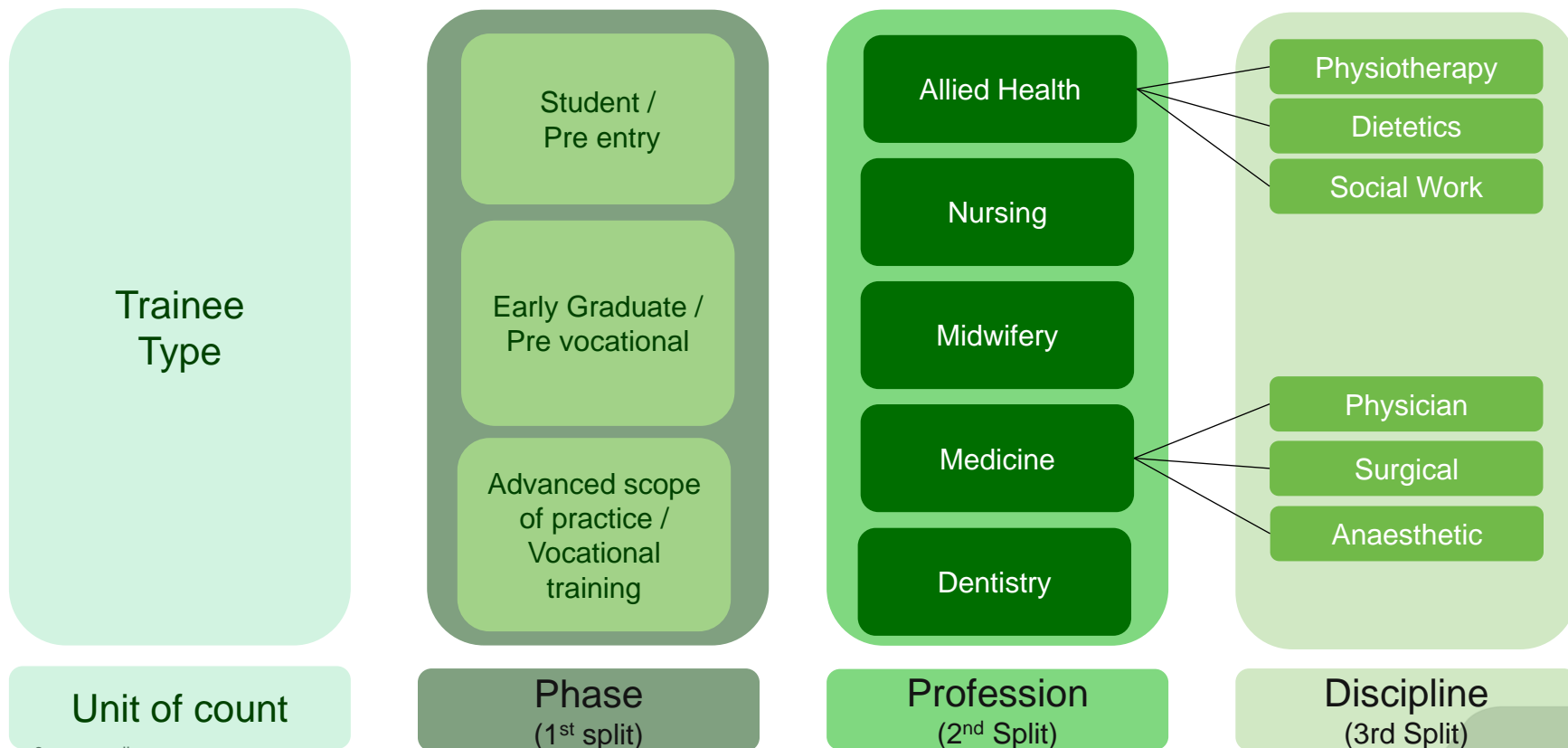
in medicine, dentistry, nursing, midwifery or allied health.”

Definition of research

Research describes: *“the activities undertaken in a public health service where the primary objective is the advancement of knowledge that ultimately aims to improve consumer and patient health outcomes and/or health system performance. The activity must be undertaken in a structured and ethical way, be formally approved by a research governance or ethics body, and have potential for application outside of the health service in which the activity is undertaken.*

For activity based funding (ABF) purposes, the definition of research relates to: *the public health service’s contribution to maintain research capability, excluding the costs of research activities that are funded from a source other than the state or territory or provided in kind.”*

T&T CLASSIFICATION FRAMEWORK



TTR COST TYPES

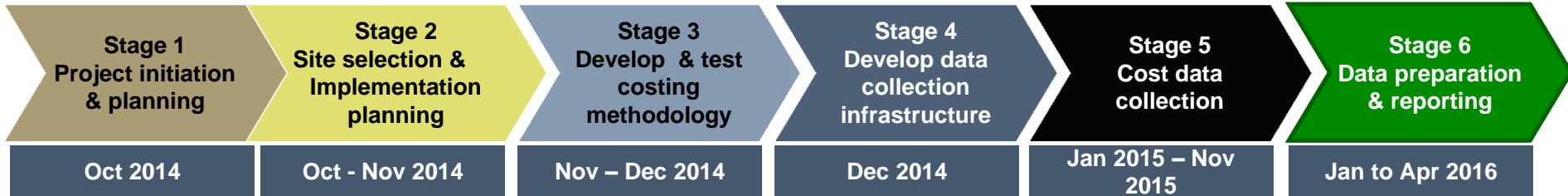
Teaching and training:

- **Direct** : The costs incurred to support the theoretical or practical training activities to support the transfer of knowledge that occurs independently from the delivery of patient care (lectures / workshops conducted by the hospital).
- **Embedded** : describe events where TT occurs in conjunction with patient care. (ward rounds, operating theatre, outpatient clinics, work based assessments)
- **Indirect**: support activities provided by health service that is essential to facilitate teaching and training, but do not involve either a didactic or experiential skills/knowledge transfer. (nurse education dept.).

Research capability activities the total cost to support research endeavour across the hospital (e.g. the cost for supporting research grant submissions)



COLLECTION PROCESS



- Three tranches of hospital data collection using standard data request specifications to capture costs, staffing profiles and training activities
- Driven by site coordinators at each site, appointed between Dec 2014 to final data submissions
 - Significant effort by Site coordinators to identify available systems, data custodians for each of the clinical professional groups across the hospital
- Reasonable cost and staffing profile data was collected
- Embedded T&T and research functional data most challenging to collect

EMBEDDED TT

- Limited / patchy embedded data available from existing hospital systems
- Stakeholder consultation, survey and focus groups engaged to provide a basis for assessing embedded TTR across professional groups.
- Consultation process provided a starting point to assess
 - How embedded TT was undertaken during patient care activities
 - Who was involved
 - Estimated time spent by trainees and trainers either receiving / delivering embedded TT or participating in direct patient care
- Results from survey and consultation provided key assumptions and parameters that were applied back to Hospital provided data to derive the initial calculation of the impact of embedded TT.



INITIAL FINDINGS

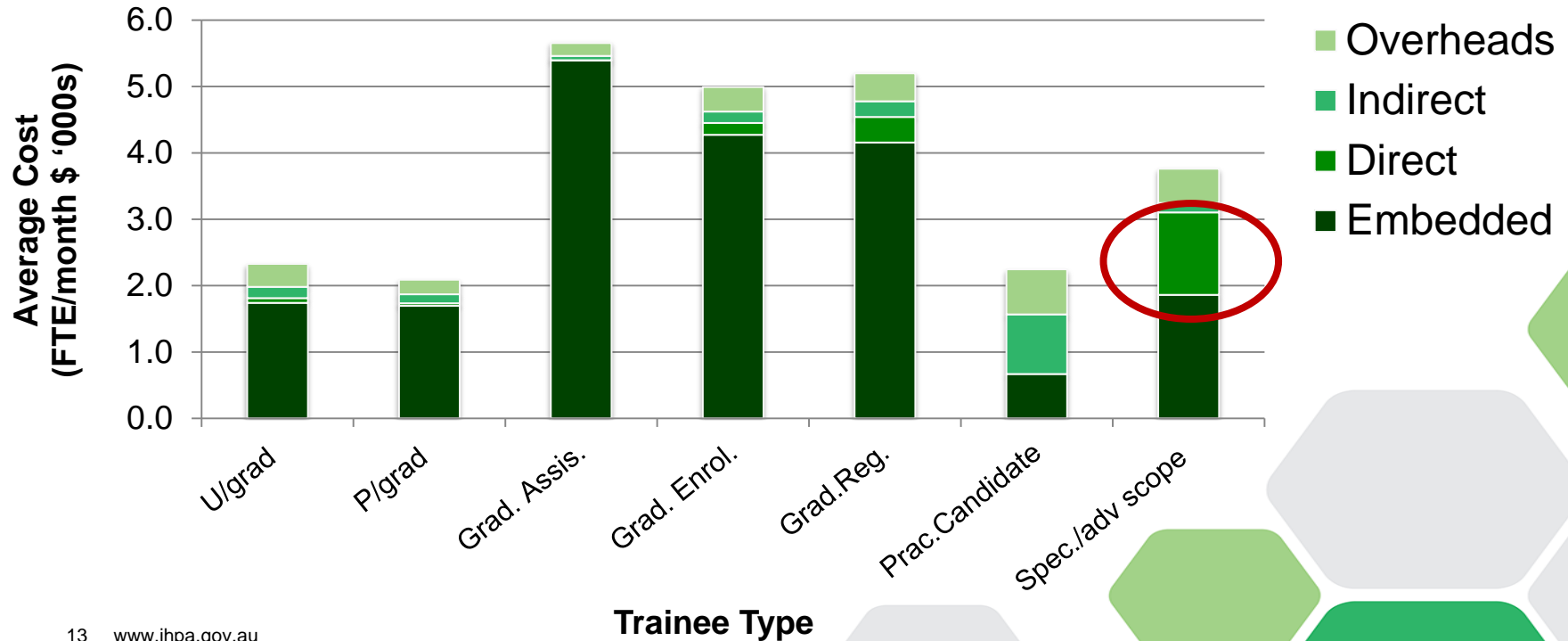
KEY POINTS

1. Robust data set – starting point for a teaching and training classification
2. Data limitations – embedded teaching and training, research
3. Key data element for ongoing collection – number and type of FTE trainee
4. Initial findings only – jurisdictions involved are still looking at the data
5. Draft Final Report is still progressing through IHPA's committees – will go to the Pricing Authority in July / August 2016

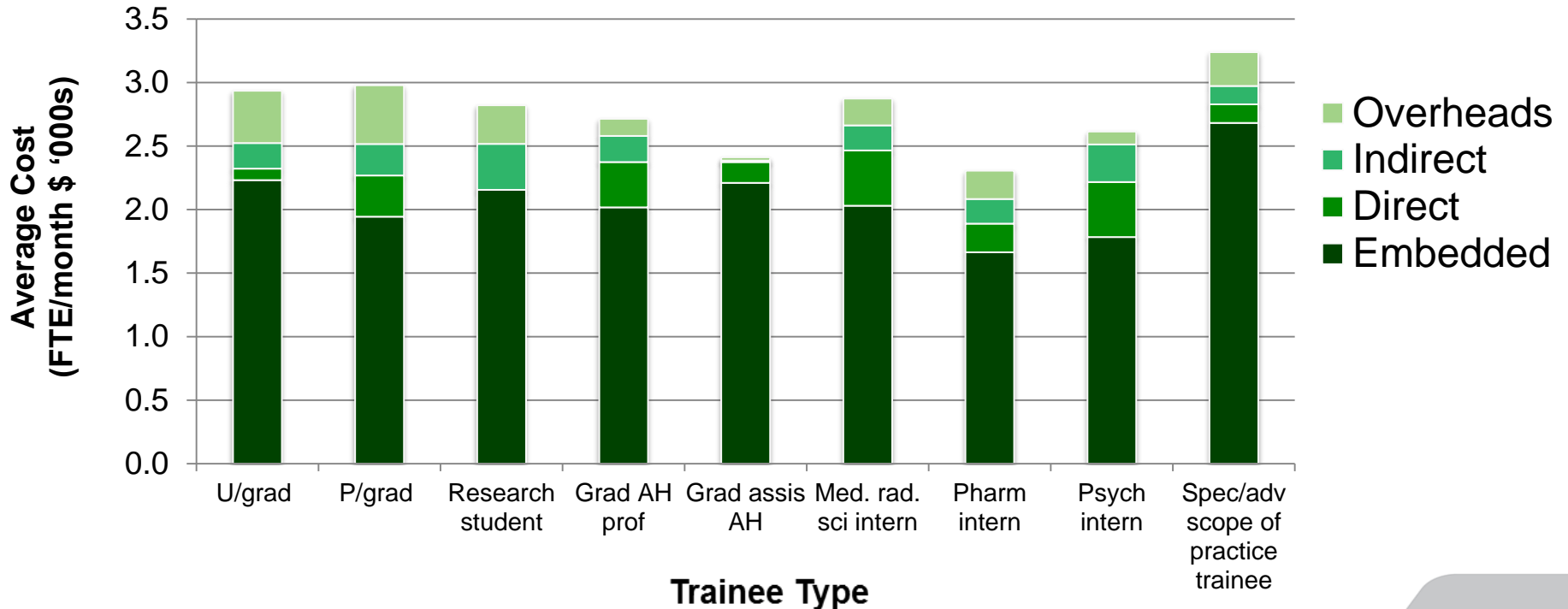
SAMPLE

Profession	Ave. Headcount per Month	Overall Records
Medicine	351	6,811
Nursing	196	1,399
Allied Health	46	1,156

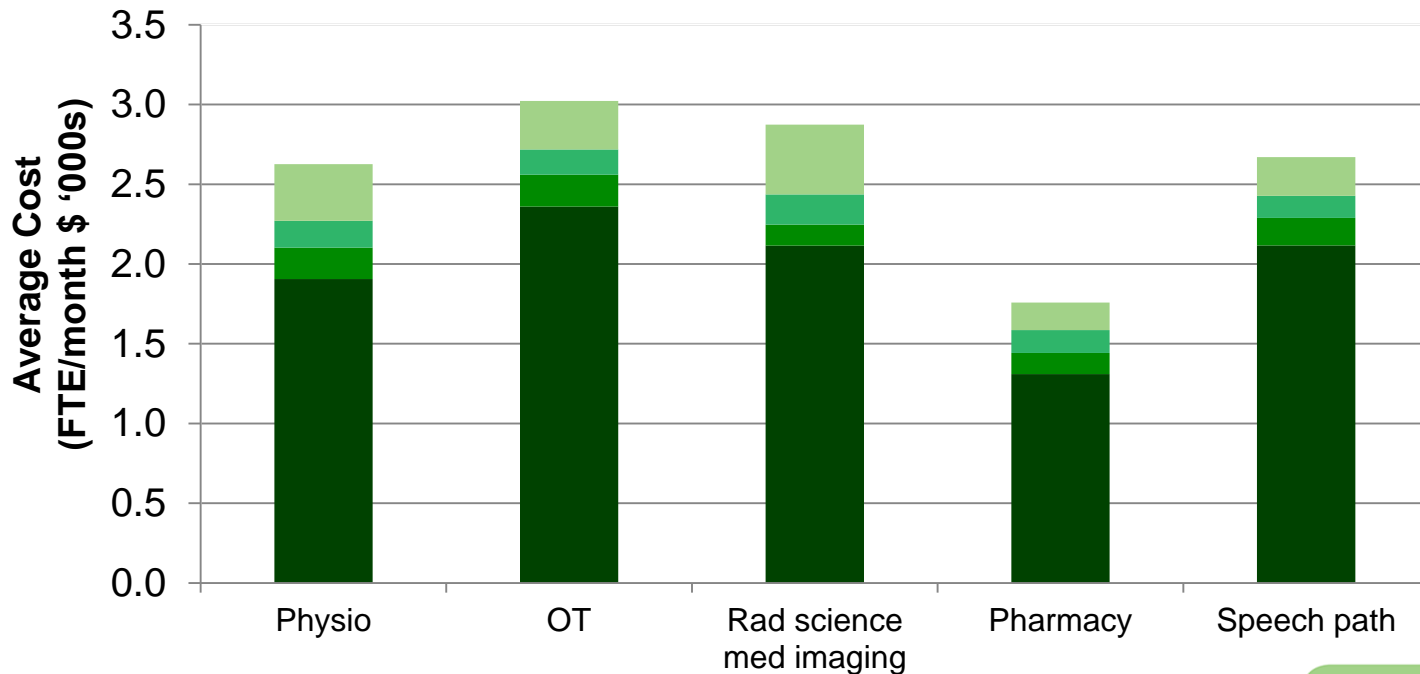
COSTED RESULTS - NURSING



COSTED RESULTS – ALLIED HEALTH



ALLIED HEALTH – COST ANALYSIS

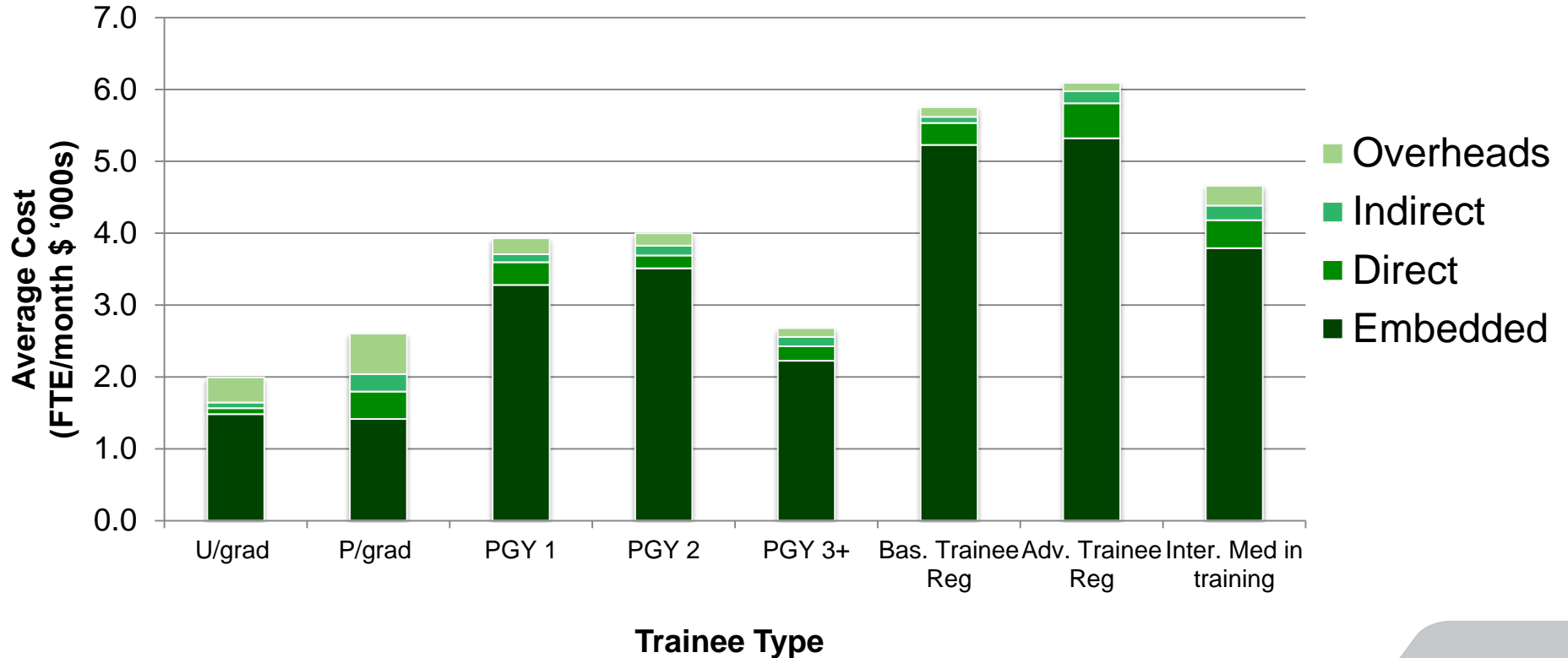


AH prof	n
Physio	176
OT	169
Rad. Sci. Med imaging	115
Pharmacy	156
Speech path	123

- Overheads
- Indirect
- Direct
- Embedded

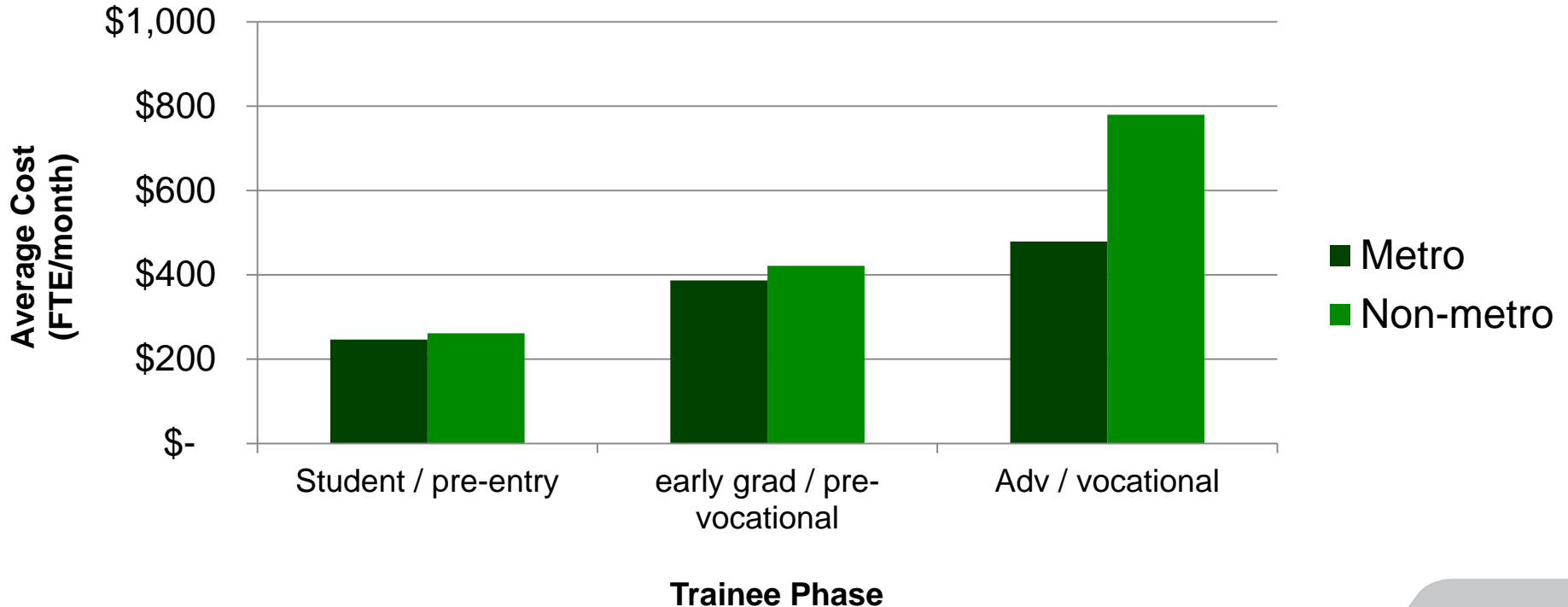
Allied Health Profession

COSTED RESULTS - MEDICINE



COST ANALYSIS – GEOGRAPHY

MEDICINE BY PHASE - EXCLUDING EMBEDDED



COST ANALYSIS – STATISTICS EXAMPLE

Influence of embedded T&T

Type	N	Avg cost per FTE/month	95% CI low	95% CI high	Median	CV
Grad reg. nurse	498	\$5,199	\$5,099	\$5,299	\$5,070	0.22
Grad reg. nurse Ex. embedded	498	\$705	\$644	\$766	\$379	1.03

RESEARCH

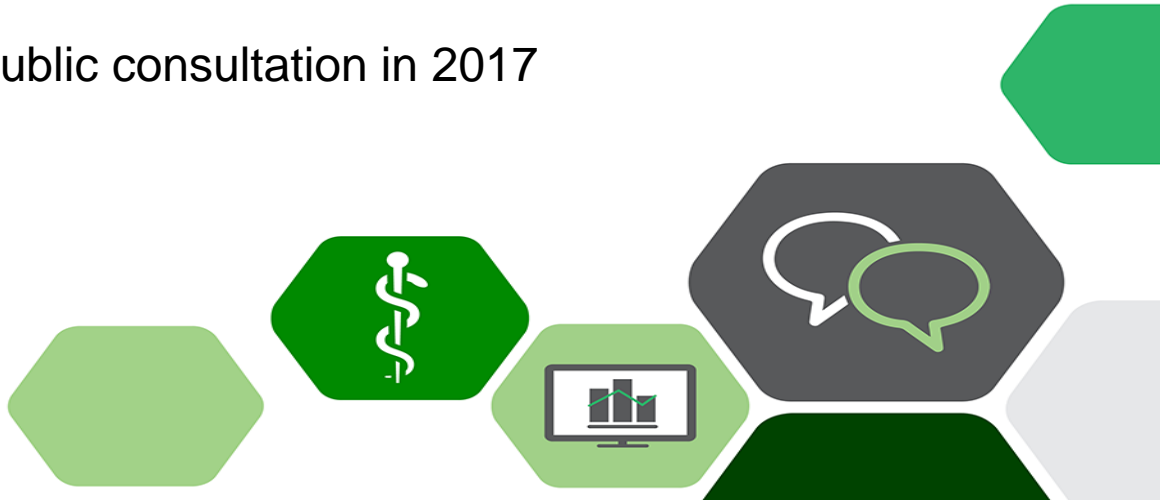
- Data request aimed at functions and resources employed to support research (not the research endeavour itself)
- Research data provided was variable across sites
- Most research data from principal referral metropolitan hospitals
 - Difficult to capture data



CLASSIFICATION DEVELOPMENT

THE AUSTRALIAN TEACHING AND RESEARCH CLASSIFICATION SYSTEM

- IHPA initiating a project to develop a teaching and training classification system
- IHPA will be undertaking a public consultation in 2017



QUESTIONS?

