

National Health Performance Authority, Hospital Performance: Total 'units of activity', Comparable Cost of Care, 2015

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Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	Total 'units of activity'
METEOR identifier:	602645
Registration status:	National Health Performance Authority (retired) , Retired 01/07/2016
Description:	Total 'units of activity' measures the weighted activity of units in scope for the Comparable Cost of Care indicator. To enable fair comparisons, admitted patients are weighted based on the complexity of the patient as well as other patient specific costs drivers.
Indicator set:	National Health Performance Authority: Hospital performance: 2011-16 National Health Performance Authority (retired) , Retired 01/07/2016
Outcome area:	Hospital and Related Care National Health Performance Authority (retired) , Retired 01/07/2016 Health! , Standard 07/07/2010

Collection and usage attributes

Computation description:	<p>Total 'units of activity' are derived from the National Hospital Cost Data Collection Round 16 (2011-12). This collection is managed by the Independent Hospital Pricing Authority. The full dataset specification can be found at http://www.ihoa.gov.au/internet/ihoa/publishing.nsf/Content/nat-hosp-cost-data-collection-round-16</p> <p>Total 'units of activity' form the denominator of the National Health Performance Authority's Comparable Cost of Care indicator.</p> <p>Hospital admissions are in-scope for Comparable Cost of Care and Total 'units of activity' if:</p> <ul style="list-style-type: none">• The patient is classified as an acute admission• The patient was admitted and discharged within the 2011-12 financial year• The patient has a non-error AR-DRG 6.x
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Computation:

Total 'units of activity' is derived as the sum of weighted separations as calculated for the Comparable Cost of Care indicator.

- A weighted separation is derived as;

$$\text{Weighted Separation} = [CW \times (A_{Paed} \times (1 + A_{SPA}) \times (1 + A_{Ind} + A_A + A_{RT}) + (A_{ICU} \times ICU_{Hrs}))]$$

Where:

- CW means the Base Cost Weight

i.e. Average comparable cost for a AR-DRG divided by average comparable costs for all AR-DRGs [where weights are calculated using data from major and large hospitals with an emergency department providing data to the NHCDC, and total in-scope costs only]

- A_{Paed} means the paediatric adjustment
- A_{SPA} means the specialist psychiatric age adjustment
- A_{Ind} means the indigenous adjustment
- A_A means the remoteness area adjustment
- A_{RT} means the radiotherapy adjustment
- A_{ICU} means the ICU adjustment
- ICU_{Hrs} Means the number of hours spent by a person within a Level 3 ICU/PICU

For the purpose of deriving the Base Cost Weights, the following costs are deemed to be in-scope:

Description

	Direct	Indirect
Allied Health Cost Bucket	Include	Include
Critical Care Cost Bucket	Include	Include
Emergency Department Cost Bucket	Include	Include
Emergency Department PRO Cost Bucket	Include	Include
Hotel Cost Bucket	Include	Include
Imaging Cost Bucket	Include	Include
Non-Clinical Cost Bucket	Include	Include
Oncost Cost Bucket	Include	Include
Operating Room Cost Bucket	Include	Include
Pathology Cost Bucket	Include	Include
Pharmacy Cost Bucket	Include	Include
Prosthetic Cost Bucket	Include	Include
Specialised Procedure Suite Cost Bucket	Include	Include
Ward Supplies Cost Bucket	Include	Include
Ward (Medical) Cost Bucket	Include	Include
Ward (Nursing) Cost Bucket	Include	Include

Disaggregation:

Hospital

Disaggregation data elements:**Data Element / Data Set**

[Establishment—organisation identifier \(Australian\), NNX\[X\]NNNNN](#)

Representational attributes

Representation class: Count
Data type: Integer
Unit of measure: Service event
Format: Presented values are rounded to the nearest integer

Accountability attributes

Reporting requirements: National Health Performance Authority - Performance and Accountability
Release date: 30/04/2015

Source and reference attributes

Submitting organisation: National Health Performance Authority
Origin: Hospital Performance