Cost per Weighted Case

Name and Definition						
Full Name	Cost per Weighted Case					
Short Name	Cost per Weighted Case					
Definition	The Cost per Weighted Case (CPWC) indicator measures the ratio of a hospital's total acute inpatient care expenses to the number of acute inpatient weighted cases related to the inpatients for which the hospital provided care.					
Domain	Health Services Delivery					
Dimension						
Acceptability	Efficiency	Appropriateness				
No	Yes	No				
Effectiveness	Accessibility	Safety				
No	No	No				
Category of Measure	Health System Outcomes	5				
Type of Measure	Outcome Measure					
Other Comments / Notes		Note for name of measure: "Average cost of a hospital stay" is sometimes used as an alternative name for this performance measure.				
Context						
Business Context	Alberta Health Business F	Plan 2014-2017				
	Alberta Health Outcomes and Measurement Framework					
Rationale	The cost per weighted case indicator was developed to measure cost-efficiency in hospitals.					
	Resource Intensity Weigh This indicator tracks how with the activity that drive	insight into the total cost to treat an average inpatient with a t (RIW) of 1, to improve cost-efficiency. hospitals utilize their resources. It combines the financial spending s the spending. By focusing on weighted cases, comparability is in acuity, severity and complexity of cases are taken into				
Notes for Interpretation	ability to provide acute inp care expenses to the num provided care for. The res inpatient. A high cost per acute inpatient; a low cos acute inpatient is relativel Unit of Analysis: An acute The four primary factors t components of CPWC, m geography, staff mix, labo	inpatient weighted case. The indicator is calculated by fiscal year. hat influence indicator results are organizational structure, ethodological issues and data quality. Other factors might include bur rates, rural/urban, type (e.g. pediatric vs general), etc.				
	denominator. The weighter +) 2012	djusted for patient complexity by the use of weighted cases in the ed cases used in here are grouped using CMG+ (Case Mixing Group				
Organizational Strategy	health care and support s o Priority Initiatives 3.8 I ambulatory care facilities	nave enhanced access to high quality, appropriate, cost effective				

## **Performance Measure Definition**

	<ul> <li>AHS Health Plan and Business Plan 2013-2016 <ul> <li>Working together, Alberta Health and Alberta Health Services will take a "triple aim"</li> <li>approach in improving health care: improving patient experience and quality of care, improving health outcomes and improving value for money. One of the strategic directions informed by the "Triple Aim" approach is "Achieving Health System Sustainability".</li> <li>In the short-term, AHS will undertake initiatives to manage unit costs, achieve operational efficiencies and productivity improvements, optimize service delivery and implement new funding models and revenue opportunities to manage costs and deliver on AHS's strategic directions.</li> <li>AHS will also continue to work to ensure long-term sustainability. Focused efforts that guide system transformation and foster long-term sustainability are needed in areas such as:</li> <li>Delivering innovative service models for complex, high needs populations;</li> <li>Strengthening community and primary health care to deliver care in the most appropriate setting; and</li> <li>Advancing the adoption of evidence-informed practices and clinical appropriateness.</li> </ul> </li> </ul>				
Benchmark Comparisons	Cost per weighted case for Canada is used for comparison.				
Cited References	Indicator Library - Cost per weighted case, CIHI Available at: http://indicatorlibrary.cihi.ca/pages/viewpage.action?pageld=1114237 Canadian Hospital Reporting Project Technical Notes—Financial Indicators, CIHI Page 6 – 16 Available at: http://www.cihi.ca/CIHI-ext-portal/pdf/internet/CHRP_TNFI_PDF_EN Cost per weighted case results Available at: http://ourhealthsystem.ca/#!/indicators/015/average-cost-of-a-hospital-stay Alberta Health Business Plan 2014-2017 Available at: http://www.finance.alberta.ca/publications/budget/budget2014/health.pdf AHS Health Plan and Business Plan 2013-2016 Page 10, 24 Available at: http://www.albertahealthservices.ca/Publications/ahs-2013-16-health-business-plan.pdf CMG+ Directory Available at: https://secure.cihi.ca/estore/productSeries.htm?locale=en&pc=PCC358				

## **Technical Specifications**

Metric	Ratio			
Preferred Display Format	\$9,999 (Canadian Dollars)			
Numerator	Total Inpatient Cost by the	e facility		
	<ul> <li>Direct Care Costs – These are costs incurred through the direct care of hospital inpatients.</li> <li>Non-Patient Costs – These are costs that are incurred through non-patient care activities (e.g. a proportional share of finance, human resources, systems support, etc).</li> </ul>			
	-	DB are used in this calculation; there are, however, some s that must be removed to facilitate comparability of CPV are made:	•	
	Account 1 20 1 21 1 22	<b>Description</b> Recoveries From External Sources Recoveries Within Legal Entity Recoveries—Interdepartmental	Action Net against Expenses	

## **Performance Measure Definition**

	3 10 85 3 3 90 9 50 20 9 50 40 9 50 60 9 55	50 85	Support Compen Other Te Compen Amortiza Amortiza Service	Personnel—( sation—Unit- ermination Be sation—Med ation—Undist ation—Undist	ical Personnel ributed Land Im ributed Buildings ributed Building	on Benefits onnel— provements s1	Exclude Exclude 1 Exclude Exclude Exclude	e e e
Data Source(s) for Numerator	Canadian	MIS Databa						
Refresh Rate for Numerator	Annually							
Data Steward for Numerator		Institute for	Health Informa	ation (CIHI)				
Denominator	Total acut	e inpatient w	eighted cases	3				
Inclusion Criteria for Denominator					al health inpatie from the DAD).	nt weighted	cases from h	ealth
Exclusion Criteria for Denominator	The inpa matching of reporting r to the DAI The inpa matching of reporting r are reporting r	tient weighte calculated in nental healt D using an ir tient weighte calculated in rehabilitation	ed cases for m patients costs h inpatient dat astitution numb ed cases for re patients costs patient data t ation patient data	in functional a to Ontario I per that is uni habilitation in in functional o the Nationa	inpatients for the centre 71 2 75 Mental Health R que for mental h apatients for tho centre 71 2 80 al Rehabilitation D using an instit	(that is, thos eporting Sys health patien se hospitals (that is, thos Reporting S	e that are stem (OMHRS its). that have se that 21 are system (NRS)	or
Data Source(s) for Denominator	Canadian	MIS Databa	se (CMDB)	1				
Refresh Rate for Denominator	Annually		,					
Data Steward for Denominator		Institute for	Health Informa	ation (CIHI)				
Technical Notes	For more details in determining the total inpatient cost and acute inpatient weighted cases, please see the "Cost per Weighted Case Methodology" document. Link to the methodology document: http://indicatorlibrary.cihi.ca/download/attachments/1114237/Cost%20per%20Weighted%20Case%							
Calculation	Cost per Weighted Case = (Facility's Total Inpatient Costs) / (Total Acute Inpatient Weighted							
Relationship to Other Indicators	Cases) Not applicable							
Level of Reporting	National	No	Provincial	Yes	Zone	Yes	Site	Yes
Reporting Notes	Not applic	able						
Frequency of Reporting	Annually	Yes	Quarterly	No	Monthly	No	Other	No
Other Reporting Frequency	Not applic	able						
Limitations	It is import quality che available f methodolo This indica	ant to note t ecks. Due to rom 2009-20 gy should n ator does no	the implemen 010. Cost per 0 ot be used to 0	tor has a new tation of the r Weighted Ca determine tre ariances in la	PWC. r methodology th more robust met se values calcul nds for this indic abour rates acro	hodology, d ated using th ator.	ata is only he previous	ta