

IDENTIFYING INFORMATION	
Name:	Cognitive performance
Short/Other Names:	Percentage of residents with different levels of cognitive performance
BACKGROUND, INTERPRETATION AND BENCHMARKS	
Description:	<p>This measure reports information about the percentage of long term (LTC) residents with differing levels of cognitive performance or impairment using the Cognitive Performance Scale (CPS). The CPS is summative scale that is part of the Resident Assessment Instrument – Minimum Data Set 2.0 (RAI-MDS) assessment. Five items are used: coma, cognitive skills for daily decision-making, short-term memory, making self understood, and eating.</p> <p>Scores from these items are combined to create an overall summary score that has 7 categories of cognitive impairment. These categories range from 0 (no impairment) to 6 (very severe impairment). A decision tree is used to determine the overall summary score.</p> <p>A score of 0 means that a resident has no challenges in any area, and a score of 6 means that a resident is very severely challenged in all areas of this measure, or is comatose.</p>
Rationale:	To provide information on the proportion of LTC residents with different levels of cognitive performance. This information can be used to inform system-level planning for quality improvement, program development, and resource allocation. This is because this data, when reported at an aggregate level, provides a description of the population that requires services in relation to cognitive performance. It does not describe the quality of care or services provided at a site.
Interpretation:	<p>Each category, in this chart, illustrates the proportion of LTC residents classified as:</p> <ul style="list-style-type: none"> ▪ Relatively intact cognitive functioning (score of 0 or 1) ▪ Mild/moderate impairment (score of 2 or 3) ▪ Severe impairment (score of 4 or greater)
Target/Benchmark:	Benchmark is not appropriate because the measure is intended to describe the clinical characteristics of long term care residents.

INDICATOR CALCULATION	
Calculation:	Percent of residents in each outcome scale category = $\left(\frac{\text{Number of LTC residents scored within a given category}}{\text{Number of LTC residents with a valid outcome scale score}} \right) \times 100$ Type of Measure: Percentage Adjustment Applied: None
Denominator:	The total number of LTC residents with a valid outcome scale score.
Numerator:	The total number of LTC residents with a valid outcome scale score, who were scored within a given category (as indicated above).
DATA DETAILS	
Data Sources:	Alberta Continuing Care Information System (ACCIS), Alberta Health
Reporting Frequency:	Type of Year: Fiscal year [starts April 1, ends March 31] First Available Year: 2015/16 Last Available Year: 2019/20
Geographic Coverage:	The province of Alberta excluding the military, prisoners, and indigenous persons living on reserves.
Reporting Levels:	Province, zone