Patient Outcomes in Palliative Care

January – June 2014

Report 17

September 2014

www.pcoc.org.au
About the Palliative Care Outcomes Collaboration

The Palliative Care Outcomes Collaboration (PCOC) is a national program that utilises standardised clinical assessment tools to measure and benchmark patient outcomes in palliative care. Participation in PCOC is voluntary and can assist palliative care service providers to improve practice and meet the Palliative Care Australia (PCA) Standards for Providing Quality Palliative Care for all Australians. This is achieved via the PCOC dataset; a multi-purpose framework designed to:

- provide clinicians with an approach to systematically assess individual patient experiences,
- define a common clinical language to streamline communication between palliative care providers and
- facilitate the routine collection of national palliative care data to drive quality improvement through reporting and benchmarking.

The PCOC dataset includes the clinical assessment tools: Palliative Care Phase, Palliative Care Problem Severity Score (PCPSS), Symptom Assessment Scale (SAS), Australia-modified Karnofsky Performance Status (AKPS) scale and Resource Utilisation Groups – Activities of Daily Living (RUG-ADL).

PCOC has divided Australia into four zones for the purpose of engaging with palliative care service providers. Each zone is represented by a chief investigator from one of the collaborative centres. The four PCOC zones and their respective chief investigators are:

- **Central Zone**  Professor Kathy Eagar, Australian Health Services Research Institute, University of Wollongong
- **North Zone**  Professor Patsy Yates, Institute of Health and Biomedical Innovation, Queensland University of Technology
- **South Zone**  Professor David Currow, Department of Palliative and Supportive Services, Flinders University
- **West Zone**  Assistant Professor Claire Johnson, Cancer and Palliative Care Research and Evaluation Unit, University of WA

Each zone is also represented by one or more quality improvement facilitators, whose role includes supporting services to participate in PCOC and facilitating ongoing service development and quality improvement. The national team, located within the Australian Health Services Research Institute at the University of Wollongong, coordinates the patient outcomes reporting, education program, and quality activities across the four zones.

If you would like more information or have any queries about this report please contact your local quality improvement facilitator or contact the national office at pcoc@uow.edu.au or phone (02) 4221 4411.
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Introduction

The Palliative Care Outcomes Collaboration (PCOC) assists services to improve the quality of the palliative care they provide through the analysis and benchmarking of patient outcomes. In this, the seventeenth PCOC report, data submitted for the January to June 2014 period are summarised and patient outcomes benchmarked to enable participating services to assess their performance and identify areas in which they may improve.

Patient outcomes are reported for a total of 16,833 patients, with 21,518 episodes of care and 49,643 palliative care phases. The information included in this report is determined by a data scoping methods. See Appendix A for more information on the data included in this report.

Throughout this report, patient information for Western Australia is presented alongside the national figures for comparative purposes. The national figures are based on information submitted by 93 services, of which:

- 53 are inpatient services. Inpatient services include patients who have been seen in designated palliative care beds as well as non-designated bed consultations.
- 27 are community services. These services include primarily patients seen in the community as well as some patients with ambulatory/clinic episodes.
- 13 are services with both inpatient and community settings.

A full list of the services included in the national figures can be found at www.pcoc.org.au.

Interpretation hint:

Some tables throughout this report may be incomplete. This is because some items may not be applicable to Western Australia or it may be due to data quality issues. Please use the following key when interpreting the tables:

- na The item is not applicable.
- u The item was unavailable.
- s The item was suppressed due to insufficient data as there was less than 10 observations.
## Section 1  
**Benchmark summary**

### 1.1 WA at a glance

**Table 1** Summary of outcome measures 1 to 3 by setting

<table>
<thead>
<tr>
<th>Outcome measure</th>
<th>Description</th>
<th>Benchmark</th>
<th>Inpatient</th>
<th>Community</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Time from ready for care to episode start</strong></td>
<td>Benchmark 1: Patients episode commences on the day of, or the day after date ready for care</td>
<td>90%</td>
<td>95.3</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>2. Time in unstable phase</strong></td>
<td>Benchmark 2: Patients in the unstable phase for 3 days or less</td>
<td>90%</td>
<td>90.7</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>3. Change in pain</strong></td>
<td>Benchmark 3.1: PCPSS Patients with absent/mild pain at phase start, remaining absent/mild at phase end</td>
<td>90%</td>
<td>91.2</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Benchmark 3.2: PCPSS Patients with moderate/severe pain at phase start, with absent/mild pain at phase end</td>
<td>60%</td>
<td>46.9</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Benchmark 3.3: SAS Patients with absent/mild distress from pain at phase start, remaining absent/mild at phase end</td>
<td>90%</td>
<td>87.0</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Benchmark 3.4: SAS Patients with moderate/severe distress from pain at phase start, with absent/mild at phase end</td>
<td>60%</td>
<td>47.6</td>
<td>No</td>
</tr>
</tbody>
</table>

**Table 2** Summary of outcome measure 4: Average improvement on the 2008 baseline national average (X-CAS)

<table>
<thead>
<tr>
<th>Clinical Tool</th>
<th>Description</th>
<th>Average improvement on baseline</th>
<th>Benchmark met?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PCPSS</strong></td>
<td>Benchmark 4.1: Pain</td>
<td>0.17</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Benchmark 4.2: Other symptoms</td>
<td>0.39</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Benchmark 4.3: Family/carer</td>
<td>0.31</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Benchmark 4.4: Psychological/spiritual</td>
<td>0.21</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>SAS</strong></td>
<td>Benchmark 4.5: Pain</td>
<td>0.34</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Benchmark 4.6: Nausea</td>
<td>0.29</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Benchmark 4.7: Breathing problems</td>
<td>0.48</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Benchmark 4.8: Bowel problems</td>
<td>0.50</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The benchmark for outcome measure 4 is zero.

For more information on the outcome measures and benchmarks, see Section 2 and Appendix C.
1.2 National benchmark profiles

In this section, the national profiles for selected benchmarks are split by setting (inpatient or community) and presented graphically.

The selected benchmarks included are:

- **Benchmark 1**  
  Patients episode commences on the day of or the day after date ready for care

- **Benchmark 2**  
  Patients in the unstable phase for 3 days or less

- **Benchmark 3.1**  
  PCPSS: Patients with absent/mild pain at phase start, remaining absent/mild at phase end

- **Benchmark 3.2**  
  PCPSS: Patients with moderate/severe pain at phase start, with absent/mild pain at phase end

- **Benchmark 3.3**  
  SAS: Patients with absent/mild distress from pain at phase start, remaining absent/mild at phase end

- **Benchmark 3.4**  
  SAS: Patients with moderate/severe distress from pain at phase start, with absent/mild distress from pain at phase end

*Interpretation hint:*

The national profile graphs below allows services to see how they are performing in comparison to other palliative care services participating in PCOC. In each graph, the shaded region describes the national profile for that outcome measure. Western Australia services are highlighted as dots on the graph.

If no dots are present on a particular graph, this means that Western Australian services has not met the criteria for inclusion in this measure. This may be caused by insufficient data item completion, or not having any data falling into a particular category, for example, no phases starting with moderate/severe SAS pain.

The red line on the graph indicates the benchmark for that outcome measure.
Outcome measure 1 – Time from date ready for care to episode start

Benchmark 1

Figure 1 Percentage of patients with episode started on the day of, or the day after date ready for care – inpatient setting
Figure 2 Percentage of patients with episodes started on the day of, or the day after date ready for care – community setting

- Services ordered from highest to lowest level of achievement
- National Profile
- Benchmark
- WA services

Level of achievement
Outcome measure 2 – Time in unstable phase

Benchmark 2

Figure 3  Percentage of patients in the unstable phase for 3 days or less – inpatient setting
Figure 4 Percentage of patients in the unstable phase for 3 days or less – community setting

Services ordered from highest to lowest level of achievement

- National Profile
- Benchmark
- WA services
Outcome measure 3 – Change in pain
Benchmark 3.1

Figure 5  PCPSS: Percentage of patients with absent/mild pain at phase start, remaining absent/mild at phase end – inpatient setting
Figure 6  PCPSS: Percentage of patients with absent/mild pain at phase start, remaining absent/mild at phase end – community setting
Benchmark 3.2

Figure 7  PCPSS: Percentage of patients with moderate/severe pain at phase start, with absent/mild pain at phase end – inpatient setting
Figure 8 PCPSS: Percentage of patients with moderate/severe pain at phase start, with absent/mild pain at phase end – community setting
Benchmark 3.3

Figure 9 SAS: Percentage of patients with absent/mild distress from pain at phase start, remaining absent/mild at phase end – inpatient setting
Figure 10 SAS: Percentage of patients with absent/mild distress from pain at phase start, remaining absent/mild at phase end – community setting
Benchmark 3.4

Figure 11: SAS: Percentage of patients with moderate/severe distress from pain at phase start, with absent/mild distress from pain at phase end – inpatient setting
Figure 12  SAS: Percentage of patients with moderate/severe distress from pain at phase start, with absent/mild distress from pain at phase end – community setting
Section 2  
Outcome measures in detail

2.1  Outcome measure 1 – Time from date ready for care to episode start

Time from date ready for care to episode start reports responsiveness of palliative care services to patient needs. This benchmark was set following feedback and subsequent consultation with PCOC participants. Service providers acknowledge that, whilst there is wide variation in the delivery of palliative care across the country, access to palliative care should be measured based on patient need rather than service availability. As a result, services operating five days a week (Monday to Friday) are not distinguished from services operating seven days a week (all services are being benchmarked together).

Benchmark 1: 
This measure relates to the time taken for an episode to commence following the date the patient is available and ready to receive palliative care. To meet the benchmark for this measure, at least 90% of patients must have their episode commence on the day of, or the day following date ready for care.

Table 3  Time from date ready for care to episode start by setting

<table>
<thead>
<tr>
<th>Time (in days)</th>
<th>Inpatient</th>
<th></th>
<th>Community</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>%</td>
<td>All Services</td>
<td>%</td>
</tr>
<tr>
<td>Same day</td>
<td>927</td>
<td>82.0</td>
<td>9,348</td>
<td>88.9</td>
</tr>
<tr>
<td>Following day</td>
<td>150</td>
<td>13.3</td>
<td>712</td>
<td>6.8</td>
</tr>
<tr>
<td>2-7 days</td>
<td>47</td>
<td>4.2</td>
<td>397</td>
<td>3.8</td>
</tr>
<tr>
<td>8-14 days</td>
<td>2</td>
<td>0.2</td>
<td>42</td>
<td>0.4</td>
</tr>
<tr>
<td>Greater than 14 days</td>
<td>4</td>
<td>0.4</td>
<td>18</td>
<td>0.2</td>
</tr>
<tr>
<td>Average</td>
<td>1.1</td>
<td>na</td>
<td>1.2</td>
<td>na</td>
</tr>
<tr>
<td>Median</td>
<td>1</td>
<td>na</td>
<td>1</td>
<td>na</td>
</tr>
</tbody>
</table>

Note: Only episodes that started in this reporting period have been included in the table. Episodes where date ready for care was not recorded are excluded from the table. In addition, all records where time from date ready for care to episode start was greater than 90 days were considered to be atypical and were assumed to equal 90 days for the purpose of calculating the average and median time.

Interpretation hint: 
Outcome measure 1 only includes episodes that have commenced in the reporting period. As a result, the number of episodes included in the calculation of this benchmark may not match the number of episodes in Appendix A. For more information on data scoping methods, see Appendix B.
Figure 13 Trends in outcome measure 1

Inpatient setting for **WA services**

![Graph showing trends in outcome measure 1 for WA services in inpatient settings, comparing Same day or following day and Two or more days for different time periods.]

Inpatient setting for **all services**

![Graph showing trends in outcome measure 1 for all services in inpatient settings, comparing Same day or following day and Two or more days for different time periods.]

Community settings for **WA services**

![Graph showing trends in outcome measure 1 for WA services in community settings, comparing Same day or following day and Two or more days for different time periods.]

Community settings for **all services**

![Graph showing trends in outcome measure 1 for all services in community settings, comparing Same day or following day and Two or more days for different time periods.]

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Patient Outcomes in Palliative Care, Report 17 (January - June 2014) - Western Australia
2.2  Outcome measure 2 – Time in unstable phase

The unstable phase type, by nature of its definition, alerts clinical staff to the need for urgent changes to the patient’s plan of care or that emergency intervention is required. Those patients assessed to be in the unstable phase require intense review for a short period of time.

An unstable phase is triggered if:

- a patient experiences a new, unanticipated problem, and/or
- a patient experiences a rapid increase in the severity of an existing problem, and/or
- a patient’s family/carers experience a sudden change in circumstances that adversely impacts the patient’s care.

The patient moves out of the unstable phase in one of two ways:

- A new plan of care has been put in place, has been reviewed and does not require any additional changes. This does not necessarily mean that the symptom/crisis has been fully resolved. However, the clinical team will have a clear diagnosis and a plan for the patient’s care. In this situation, the patient will move to either the stable or deteriorating phase.
- The patient is likely to die within a matter of days. In this situation, the patient will be moved into the terminal phase.

Benchmark 2: This benchmark relates to time that a patient spends in the unstable phase. To meet this benchmark, at least 90% of unstable phases must last for 3 days or less.

Table 4  Time in unstable phase by setting

| Length of unstable phase | Inpatient | | | Community | | |
|-------------------------|-----------|-----------------|-----------------|
|                         | WA | % | All Services | % | WA | % | All Services | % |
| Same day                | 23 | 6.5 | 241 | 3.8 | 256 | 27.6 | 555 | 20.6 |
| 1 day                   | 191 | 53.8 | 2,684 | 42.8 | 493 | 53.1 | 885 | 32.9 |
| 2 days                  | 76 | 21.4 | 1,515 | 24.2 | 89 | 9.6 | 285 | 10.6 |
| 3 days                  | 32 | 9.0 | 752 | 12.0 | 31 | 3.3 | 175 | 6.5 |
| 4-5 days                | 26 | 7.3 | 621 | 9.9 | 31 | 3.3 | 193 | 7.2 |
| 6-7 days                | 4 | 1.1 | 246 | 3.9 | 16 | 1.7 | 127 | 4.7 |
| 8-14 days               | 3 | 0.8 | 177 | 2.8 | 10 | 1.1 | 170 | 6.3 |
| Greater than 14 days    | 0 | 0.0 | 37 | 0.6 | 3 | 0.3 | 299 | 11.1 |
| Total                   | 355 | 100.0 | 6,273 | 100.0 | 929 | 100.0 | 2,689 | 100.0 |
Figure 14  Trends in outcome measure 2

Inpatient setting for **WA services**

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Three days or less</strong></td>
<td>100%</td>
<td>80%</td>
<td>60%</td>
<td>40%</td>
</tr>
<tr>
<td><strong>Four or more days</strong></td>
<td>0%</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
</tr>
</tbody>
</table>

Inpatient setting for **all services**

<table>
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<th></th>
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<td>80%</td>
<td>60%</td>
<td>40%</td>
</tr>
<tr>
<td><strong>Four or more days</strong></td>
<td>0%</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
</tr>
</tbody>
</table>

Community settings for **WA services**

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<td>80%</td>
<td>60%</td>
<td>40%</td>
</tr>
<tr>
<td><strong>Four or more days</strong></td>
<td>0%</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
</tr>
</tbody>
</table>

Community settings for **all services**

<table>
<thead>
<tr>
<th></th>
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<th></th>
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</tr>
</thead>
<tbody>
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<td>100%</td>
<td>80%</td>
<td>60%</td>
<td>40%</td>
</tr>
<tr>
<td><strong>Four or more days</strong></td>
<td>0%</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
</tr>
</tbody>
</table>
2.3 Outcome measure 3 – Change in pain

Pain management is acknowledged as a core business of palliative care services. The Palliative Care Problem Severity Score (PCPSS) and Symptom Assessment Scale (SAS) provide two different perspectives of pain. The PCPSS is clinician rated and measures the severity of pain as a clinical problem while the SAS is patient rated and measures distress caused by pain. There are two benchmarks related to each tool: one relating to the management of pain for patients with absent or mild pain (Table 5 and Table 7), and the other relating to the management of pain for patients with moderate or severe pain (Table 6 and Table 8). For the analysis in this report SAS scores have been grouped as 0 absent, 1-3 mild, 4-7 moderate and 8-10 severe. Phase records must have valid start and end scores for the PCPSS and/or SAS clinical assessment tools to be included in the benchmarks.

**Benchmark 3.1:** This benchmark relates to patients who have absent or mild pain at the start of their phase of palliative care, as rated via the PCPSS clinical tool. To meet this benchmark, 90% of these phases must end with the patient still experiencing only absent or mild pain.

**Table 5 Trends in benchmark 3.1: PCPSS Patients with absent/mild pain at phase start, remaining absent/mild at phase end by setting**

<table>
<thead>
<tr>
<th>Setting</th>
<th>PCPSS</th>
<th>WA</th>
<th>All Services</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient</td>
<td>Start absent/mild (N)*</td>
<td>928</td>
<td>1,237</td>
<td>1,442</td>
</tr>
<tr>
<td></td>
<td>End absent/mild (%)</td>
<td>90.1</td>
<td>90.8</td>
<td>91.7</td>
</tr>
<tr>
<td>Community</td>
<td>Start absent/mild (N)*</td>
<td>5,192</td>
<td>5,641</td>
<td>6,511</td>
</tr>
<tr>
<td></td>
<td>End absent/mild (%)</td>
<td>85.1</td>
<td>84.6</td>
<td>83.6</td>
</tr>
</tbody>
</table>

*Total number of phases included in this benchmark.

**Benchmark 3.2:** This benchmark relates to patients who have moderate or severe pain at the start of their phase of palliative care, as rated via the PCPSS clinical tool. To meet this benchmark, 60% of these phases must end with the patient’s pain reduced to being absent or mild.

**Table 6 Trends in benchmark 3.2: PCPSS Patients with moderate/severe pain at phase start, with absent/mild pain at phase end by setting**

<table>
<thead>
<tr>
<th>Setting</th>
<th>PCPSS</th>
<th>WA</th>
<th>All Services</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient</td>
<td>Start moderate/severe (N)*</td>
<td>475</td>
<td>600</td>
<td>619</td>
</tr>
<tr>
<td></td>
<td>End absent/mild (%)</td>
<td>47.6</td>
<td>51.5</td>
<td>50.4</td>
</tr>
<tr>
<td>Community</td>
<td>Start moderate/severe (N)*</td>
<td>1,111</td>
<td>1,364</td>
<td>1,600</td>
</tr>
<tr>
<td></td>
<td>End absent/mild (%)</td>
<td>60.4</td>
<td>60.4</td>
<td>61.4</td>
</tr>
</tbody>
</table>

*Total number of phases included in this benchmark.
**Benchmark 3.3:** This benchmark relates to patients who have absent or mild pain at the start of their phase of palliative care, as rated via the SAS clinical tool. To meet this benchmark, 90% of these phases must end with the patient still experiencing only absent or mild pain.

**Table 7 Trends in benchmark 3.3: SAS Patients with absent/mild distress from pain at phase start, remaining absent/mild at phase end by setting**

<table>
<thead>
<tr>
<th>Setting</th>
<th>SAS</th>
<th>WA</th>
<th>All Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient</td>
<td>1,361</td>
<td>1,366</td>
<td>1,473</td>
</tr>
<tr>
<td></td>
<td>87.1</td>
<td>86.7</td>
<td>86.9</td>
</tr>
<tr>
<td>Community</td>
<td>5,020</td>
<td>5,350</td>
<td>6,137</td>
</tr>
<tr>
<td></td>
<td>83.4</td>
<td>82.5</td>
<td>80.6</td>
</tr>
</tbody>
</table>

*Total number of phases included in this benchmark.

**Benchmark 3.4:** This benchmark relates to patients who have moderate or severe pain at the start of their phase of palliative care, as rated via the SAS clinical tool. To meet this benchmark, 60% of these phases must end with the patient’s pain reduced to being absent or mild.

**Table 8 Trends in benchmark 3.4: SAS Patients experience moderate/severe distress from pain at phase start, with absent/mild pain at phase end by setting**

<table>
<thead>
<tr>
<th>Setting</th>
<th>SAS</th>
<th>WA</th>
<th>All Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient</td>
<td>940</td>
<td>794</td>
<td>922</td>
</tr>
<tr>
<td></td>
<td>42.0</td>
<td>48.6</td>
<td>45.6</td>
</tr>
<tr>
<td>Community</td>
<td>1,426</td>
<td>1,623</td>
<td>1,963</td>
</tr>
<tr>
<td></td>
<td>52.3</td>
<td>54.2</td>
<td>58.5</td>
</tr>
</tbody>
</table>

*Total number of phases included in this benchmark.

**Interpretation hint:**
For this report, the number (N) shown in Table 5 to Table 8 has changed. In past reports, only the number of phases that met the benchmark was shown. This has been changed to report on the total number of phases included in the benchmark. As a result of this change, past reports will display a different number but the percentage remains the same.
Figure 15  Trends in outcome measure 3

**Benchmark 3.1: PCPSS - Absent/mild pain at both start and end of phase**

**Benchmark 3.2: PCPSS - Moderate/severe pain at start with absent/mild pain at end**

**Benchmark 3.3: SAS - Absent/mild pain at both start and end of phase**

**Benchmark 3.4: SAS - Moderate/severe pain at start with absent/mild pain at end**
2.4 Outcome measure 4 – Change in symptoms relative to the baseline national average (X-CAS)

Outcome measure 4 includes a suite of case-mix adjusted scores used to compare the change in symptoms for similar patients i.e. patients in the same phase who started with the same level of symptom. Eight symptoms are included in this report:

<table>
<thead>
<tr>
<th>PCPSS</th>
<th>SAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1 Pain</td>
<td>4.5 Pain</td>
</tr>
<tr>
<td>4.2 Other symptoms</td>
<td>4.6 Nausea</td>
</tr>
<tr>
<td>4.3 Family/carer</td>
<td>4.7 Breathing problems</td>
</tr>
<tr>
<td>4.4 Psychological/spiritual</td>
<td>4.8 Bowel problems</td>
</tr>
</tbody>
</table>

The suite of benchmarks included in outcome measure 4 are generally referred to as X-CAS – CAS standing for Case-mix Adjusted Score, and the X to represent that multiple symptoms are included.

**Interpretation hint:**

The X-CAS measures are calculated relative to a baseline reference period (currently July to December 2008). As a result:

- If X-CAS for WA is greater than 0 then on average, your patients’ change in symptom was better than similar patients in the baseline reference period.
- If X-CAS for WA is equal to 0 then on average, your patients’ change in symptom was about the same as similar patients in the baseline reference period.
- If X-CAS for WA is less than 0 then on average, your patients’ change in symptom was worse than similar patients in the baseline reference period.

As X-CAS looks at change in symptom, they are only able to be calculated on phases which ended in phase change or discharge (as the phase end scores are required to determine the change). Bereavement phases are excluded from the analysis.

A more technical explanation of X-CAS is included in Appendix C.
Figure 16  Trends in outcome measure 4 – Palliative Care Problem Severity Score (PCPSS)

Benchmark 4.1: Pain

Benchmark 4.2: Other symptoms

Benchmark 4.3: Family/carer

Benchmark 4.4: Psychological/spiritual

Note: Only services with 10 or more valid assessments are included in the above graphs.
Figure 17 Trends in outcome measure 4 – Symptom Assessment Scale (SAS)

Benchmark 4.5: Pain

Benchmark 4.6: Nausea

Benchmark 4.7: Breathing problems

Benchmark 4.8: Bowel problems

Note: Only services with 10 or more valid assessments are included in the above graphs.
Section 3  Descriptive analysis

Information is collected at three levels – patient, episode and phase.

Patient level includes data items relating to patient demographic. The information collected on each patient includes Indigenous status, sex, preferred language and country of birth.

Episode level includes data items which focus on characterising the setting of palliative care service provision. It also provides information relating to the facility or organisation that has referred the patient as well as how a palliative care episode starts and ends.

Phase level data items describe a palliative care patient’s stage of illness, functional impairment and levels of pain and symptom distress, using five clinical assessment tools.

This section provides an overview of the data submitted by Western Australia at each level for the current reporting period. Summaries of the national data are included for comparative purposes.
3.1 Profile of palliative care patients

PCOC defines a patient as a person for whom a palliative care service accepts responsibility for assessment and/or treatment as evidenced by the existence of a medical record. Family/carers are included in this definition if interventions relating to them are recorded in the patient medical record. For the purpose of palliative care this includes the bereaved family of the deceased patient (particularly for the bereavement phase).

Table 9 shows the Indigenous status for all the patients in Western Australia and nationally.

Table 9 Indigenous status

<table>
<thead>
<tr>
<th>Indigenous status</th>
<th>WA</th>
<th>%</th>
<th>All Services</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aboriginal but not Torres Strait Islander origin</td>
<td>37</td>
<td>1.3</td>
<td>141</td>
<td>0.8</td>
</tr>
<tr>
<td>Torres Strait Islander but not Aboriginal origin</td>
<td>0</td>
<td>0.0</td>
<td>14</td>
<td>0.1</td>
</tr>
<tr>
<td>Both Aboriginal and Torres Strait Islander origin</td>
<td>3</td>
<td>0.1</td>
<td>13</td>
<td>0.1</td>
</tr>
<tr>
<td>Neither Aboriginal nor Torres Strait Islander origin</td>
<td>2,620</td>
<td>94.8</td>
<td>16,333</td>
<td>97.0</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>105</td>
<td>3.8</td>
<td>332</td>
<td>2.0</td>
</tr>
<tr>
<td>Total</td>
<td>2,765</td>
<td>100.0</td>
<td>16,833</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Table 10 shows the breakdown of deaths for all patients in Western Australia and nationally for the reporting period. All inpatient deaths are reported in the hospital category while the community deaths can be found in the private residence and residential aged care facility categories.

Table 10 Place of death

<table>
<thead>
<tr>
<th>Place of death</th>
<th>WA</th>
<th>%</th>
<th>All Services</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private residence</td>
<td>580</td>
<td>51.2</td>
<td>1,714</td>
<td>20.7</td>
</tr>
<tr>
<td>Residential aged care facility</td>
<td>116</td>
<td>10.2</td>
<td>548</td>
<td>6.6</td>
</tr>
<tr>
<td>Hospital</td>
<td>432</td>
<td>38.2</td>
<td>5,829</td>
<td>70.3</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>4</td>
<td>0.4</td>
<td>205</td>
<td>2.5</td>
</tr>
<tr>
<td>Total</td>
<td>1,132</td>
<td>100.0</td>
<td>8,296</td>
<td>100.0</td>
</tr>
</tbody>
</table>
The following two tables show the preferred language and the country of birth respectively for all patients in Western Australia and nationally. To allow for comparison with the broader Australian community the list of languages in Table 11 is in descending order of the most frequently spoken languages according to the 2006 Census (e.g. Greek was the third most frequently spoken language in the 2006 Census). The same approach has been taken with Table 12 (e.g. Italy was the fifth highest country of birth in the 2006 Census). All other languages and countries have been grouped together to form the categories ‘All other languages’ and ‘All other countries’ respectively.

**Table 11 Preferred language**

<table>
<thead>
<tr>
<th>Preferred language</th>
<th>WA</th>
<th>%</th>
<th>All Services</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2,559</td>
<td>92.5</td>
<td>15,092</td>
<td>89.7</td>
</tr>
<tr>
<td>Italian</td>
<td>44</td>
<td>1.6</td>
<td>373</td>
<td>2.2</td>
</tr>
<tr>
<td>Greek</td>
<td>15</td>
<td>0.5</td>
<td>261</td>
<td>1.6</td>
</tr>
<tr>
<td>Cantonese/Mandarin</td>
<td>13</td>
<td>0.5</td>
<td>141</td>
<td>0.8</td>
</tr>
<tr>
<td>Arabic</td>
<td>5</td>
<td>0.2</td>
<td>116</td>
<td>0.7</td>
</tr>
<tr>
<td>Vietnamese</td>
<td>11</td>
<td>0.4</td>
<td>57</td>
<td>0.3</td>
</tr>
<tr>
<td>Spanish/Portuguese</td>
<td>8</td>
<td>0.3</td>
<td>44</td>
<td>0.3</td>
</tr>
<tr>
<td>Filipino</td>
<td>6</td>
<td>0.2</td>
<td>23</td>
<td>0.1</td>
</tr>
<tr>
<td>German</td>
<td>3</td>
<td>0.1</td>
<td>34</td>
<td>0.2</td>
</tr>
<tr>
<td>Hindi</td>
<td>5</td>
<td>0.2</td>
<td>25</td>
<td>0.1</td>
</tr>
<tr>
<td>Macedonian/Croatian</td>
<td>23</td>
<td>0.8</td>
<td>121</td>
<td>0.7</td>
</tr>
<tr>
<td>Korean</td>
<td>1</td>
<td>0.0</td>
<td>16</td>
<td>0.1</td>
</tr>
<tr>
<td>Turkish</td>
<td>1</td>
<td>0.0</td>
<td>33</td>
<td>0.2</td>
</tr>
<tr>
<td>Polish</td>
<td>6</td>
<td>0.2</td>
<td>21</td>
<td>0.1</td>
</tr>
<tr>
<td>Maltese</td>
<td>0</td>
<td>0.0</td>
<td>19</td>
<td>0.1</td>
</tr>
<tr>
<td>All other languages</td>
<td>65</td>
<td>2.4</td>
<td>447</td>
<td>2.7</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>0</td>
<td>0.0</td>
<td>10</td>
<td>0.1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,765</strong></td>
<td><strong>100.0</strong></td>
<td><strong>16,833</strong></td>
<td><strong>100.0</strong></td>
</tr>
</tbody>
</table>
### Table 12 Country of birth

<table>
<thead>
<tr>
<th>Country of birth</th>
<th>WA</th>
<th>%</th>
<th>All Services</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>1,518</td>
<td>54.9</td>
<td>10,640</td>
<td>63.2</td>
</tr>
<tr>
<td>England</td>
<td>390</td>
<td>14.1</td>
<td>1,190</td>
<td>7.1</td>
</tr>
<tr>
<td>New Zealand</td>
<td>58</td>
<td>2.1</td>
<td>274</td>
<td>1.6</td>
</tr>
<tr>
<td>China</td>
<td>11</td>
<td>0.4</td>
<td>156</td>
<td>0.9</td>
</tr>
<tr>
<td>Italy</td>
<td>105</td>
<td>3.8</td>
<td>700</td>
<td>4.2</td>
</tr>
<tr>
<td>Vietnam</td>
<td>19</td>
<td>0.7</td>
<td>107</td>
<td>0.6</td>
</tr>
<tr>
<td>India</td>
<td>39</td>
<td>1.4</td>
<td>127</td>
<td>0.8</td>
</tr>
<tr>
<td>Scotland</td>
<td>70</td>
<td>2.5</td>
<td>228</td>
<td>1.4</td>
</tr>
<tr>
<td>Philippines</td>
<td>4</td>
<td>0.1</td>
<td>66</td>
<td>0.4</td>
</tr>
<tr>
<td>Greece</td>
<td>32</td>
<td>1.2</td>
<td>364</td>
<td>2.2</td>
</tr>
<tr>
<td>Germany</td>
<td>39</td>
<td>1.4</td>
<td>235</td>
<td>1.4</td>
</tr>
<tr>
<td>South Africa</td>
<td>34</td>
<td>1.2</td>
<td>94</td>
<td>0.6</td>
</tr>
<tr>
<td>Malaysia</td>
<td>14</td>
<td>0.5</td>
<td>46</td>
<td>0.3</td>
</tr>
<tr>
<td>Netherlands</td>
<td>35</td>
<td>1.3</td>
<td>170</td>
<td>1.0</td>
</tr>
<tr>
<td>Lebanon</td>
<td>1</td>
<td>0.0</td>
<td>88</td>
<td>0.5</td>
</tr>
<tr>
<td>All other countries</td>
<td>316</td>
<td>11.4</td>
<td>2,139</td>
<td>12.7</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>80</td>
<td>2.9</td>
<td>209</td>
<td>1.2</td>
</tr>
<tr>
<td>Total</td>
<td>2,765</td>
<td>100.0</td>
<td>16,833</td>
<td>100.0</td>
</tr>
</tbody>
</table>
Table 13 and Table 14 present a breakdown of malignant and non-malignant diagnosis for the patients seen by Western Australia and at the national level. The primary diagnosis is the principal life limiting illness responsible for the patient requiring palliative care.

The primary diagnosis was not stated for 39 (1.4%) patients in Western Australia and was not stated for 60 (0.4%) patients nationally.

### Table 13  Primary diagnosis - malignant

<table>
<thead>
<tr>
<th>Primary diagnosis</th>
<th>WA</th>
<th>% malignant diagnosis</th>
<th>% all diagnosis</th>
<th>All Services</th>
<th>% malignant diagnosis</th>
<th>% all diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bone and soft tissue</td>
<td>16</td>
<td>0.8</td>
<td>0.6</td>
<td>195</td>
<td>1.5</td>
<td>1.2</td>
</tr>
<tr>
<td>Breast</td>
<td>162</td>
<td>7.8</td>
<td>5.9</td>
<td>1,041</td>
<td>7.9</td>
<td>6.2</td>
</tr>
<tr>
<td>CNS</td>
<td>59</td>
<td>2.9</td>
<td>2.1</td>
<td>304</td>
<td>2.3</td>
<td>1.8</td>
</tr>
<tr>
<td>Colorectal</td>
<td>229</td>
<td>11.1</td>
<td>8.3</td>
<td>1,559</td>
<td>11.8</td>
<td>9.3</td>
</tr>
<tr>
<td>Other GIT</td>
<td>207</td>
<td>10.0</td>
<td>7.5</td>
<td>1,263</td>
<td>9.5</td>
<td>7.5</td>
</tr>
<tr>
<td>Haematological</td>
<td>118</td>
<td>5.7</td>
<td>4.3</td>
<td>829</td>
<td>6.3</td>
<td>4.9</td>
</tr>
<tr>
<td>Head and neck</td>
<td>68</td>
<td>3.3</td>
<td>2.5</td>
<td>689</td>
<td>5.2</td>
<td>4.1</td>
</tr>
<tr>
<td>Lung</td>
<td>510</td>
<td>24.6</td>
<td>18.4</td>
<td>2,927</td>
<td>22.1</td>
<td>17.4</td>
</tr>
<tr>
<td>Pancreas</td>
<td>115</td>
<td>5.6</td>
<td>4.2</td>
<td>790</td>
<td>6.0</td>
<td>4.7</td>
</tr>
<tr>
<td>Prostate</td>
<td>145</td>
<td>7.0</td>
<td>5.2</td>
<td>919</td>
<td>6.9</td>
<td>5.5</td>
</tr>
<tr>
<td>Other urological</td>
<td>101</td>
<td>4.9</td>
<td>3.7</td>
<td>562</td>
<td>4.2</td>
<td>3.3</td>
</tr>
<tr>
<td>Gynaecological</td>
<td>91</td>
<td>4.4</td>
<td>3.3</td>
<td>666</td>
<td>5.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Skin</td>
<td>119</td>
<td>5.7</td>
<td>4.3</td>
<td>509</td>
<td>3.8</td>
<td>3.0</td>
</tr>
<tr>
<td>Unknown primary</td>
<td>64</td>
<td>3.1</td>
<td>2.3</td>
<td>375</td>
<td>2.8</td>
<td>2.2</td>
</tr>
<tr>
<td>Other primary malignancy</td>
<td>60</td>
<td>2.9</td>
<td>2.2</td>
<td>514</td>
<td>3.9</td>
<td>3.1</td>
</tr>
<tr>
<td>Malignant – not further defined</td>
<td>6</td>
<td>0.3</td>
<td>0.2</td>
<td>93</td>
<td>0.7</td>
<td>0.6</td>
</tr>
<tr>
<td><strong>All malignant</strong></td>
<td><strong>2,070</strong></td>
<td><strong>100.0</strong></td>
<td><strong>74.9</strong></td>
<td><strong>13,235</strong></td>
<td><strong>100.0</strong></td>
<td><strong>78.6</strong></td>
</tr>
</tbody>
</table>
### Table 14  Primary diagnosis - non-malignant

<table>
<thead>
<tr>
<th>Primary diagnosis</th>
<th>WA</th>
<th>% non-malignant diagnosis</th>
<th>% all diagnosis</th>
<th>All Services</th>
<th>% non-malignant diagnosis</th>
<th>% all diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular disease</td>
<td>111</td>
<td>16.9</td>
<td>4.0</td>
<td>652</td>
<td>18.4</td>
<td>3.9</td>
</tr>
<tr>
<td>HIV/AIDS</td>
<td>5</td>
<td>0.8</td>
<td>0.2</td>
<td>11</td>
<td>0.3</td>
<td>0.1</td>
</tr>
<tr>
<td>End stage kidney disease</td>
<td>54</td>
<td>8.2</td>
<td>2.0</td>
<td>342</td>
<td>9.7</td>
<td>2.0</td>
</tr>
<tr>
<td>Stroke</td>
<td>45</td>
<td>6.9</td>
<td>1.6</td>
<td>171</td>
<td>4.8</td>
<td>1.0</td>
</tr>
<tr>
<td>Motor neurone disease</td>
<td>25</td>
<td>3.8</td>
<td>0.9</td>
<td>140</td>
<td>4.0</td>
<td>0.8</td>
</tr>
<tr>
<td>Alzheimer's dementia</td>
<td>30</td>
<td>4.6</td>
<td>1.1</td>
<td>97</td>
<td>2.7</td>
<td>0.6</td>
</tr>
<tr>
<td>Other dementia</td>
<td>57</td>
<td>8.7</td>
<td>2.1</td>
<td>183</td>
<td>5.2</td>
<td>1.1</td>
</tr>
<tr>
<td>Other neurological disease</td>
<td>33</td>
<td>5.0</td>
<td>1.2</td>
<td>367</td>
<td>10.4</td>
<td>2.2</td>
</tr>
<tr>
<td>Respiratory failure</td>
<td>111</td>
<td>16.9</td>
<td>4.0</td>
<td>623</td>
<td>17.6</td>
<td>3.7</td>
</tr>
<tr>
<td>End stage liver disease</td>
<td>16</td>
<td>2.4</td>
<td>0.6</td>
<td>136</td>
<td>3.8</td>
<td>0.8</td>
</tr>
<tr>
<td>Diabetes and its complications</td>
<td>2</td>
<td>0.3</td>
<td>0.1</td>
<td>17</td>
<td>0.5</td>
<td>0.1</td>
</tr>
<tr>
<td>Sepsis</td>
<td>21</td>
<td>3.2</td>
<td>0.8</td>
<td>93</td>
<td>2.6</td>
<td>0.6</td>
</tr>
<tr>
<td>Multiple organ failure</td>
<td>19</td>
<td>2.9</td>
<td>0.7</td>
<td>77</td>
<td>2.2</td>
<td>0.5</td>
</tr>
<tr>
<td>Other non-malignancy</td>
<td>122</td>
<td>18.6</td>
<td>4.4</td>
<td>577</td>
<td>16.3</td>
<td>3.4</td>
</tr>
<tr>
<td>Non-malignant – not further defined</td>
<td>5</td>
<td>0.8</td>
<td>0.2</td>
<td>52</td>
<td>1.5</td>
<td>0.3</td>
</tr>
<tr>
<td>All non-malignant</td>
<td>656</td>
<td>100.0</td>
<td>23.7</td>
<td>3,538</td>
<td>100.0</td>
<td>21.0</td>
</tr>
</tbody>
</table>
3.2 Profile of palliative care episodes

An episode of care is a period of contact between a patient and a palliative care service that is provided by one palliative care service and occurs in one setting – for the purposes of this report, either as an inpatient or community patient.

An episode of palliative care starts on the date when the comprehensive palliative care assessment is undertaken and documented using the five clinical assessment tools.

An episode of palliative care ends when:
- the patient is formally separated from the current setting of care (e.g. from community to inpatient) or
- the patient dies or
- the principal clinical intent of the care changes and the patient is no longer receiving palliative care.

Table 15 below presents the number and percentage of episodes by age group and sex for the patients seen in Western Australia and at the national level. Age has been calculated as at the beginning of each episode.

<table>
<thead>
<tr>
<th>Age group</th>
<th>WA</th>
<th>All Services</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>%</td>
<td>Female</td>
</tr>
<tr>
<td>&lt; 15</td>
<td>8</td>
<td>0.4</td>
<td>6</td>
</tr>
<tr>
<td>15 - 24</td>
<td>5</td>
<td>0.3</td>
<td>8</td>
</tr>
<tr>
<td>25 - 34</td>
<td>13</td>
<td>0.7</td>
<td>9</td>
</tr>
<tr>
<td>35 - 44</td>
<td>71</td>
<td>3.8</td>
<td>59</td>
</tr>
<tr>
<td>45 - 54</td>
<td>130</td>
<td>6.9</td>
<td>160</td>
</tr>
<tr>
<td>55 - 64</td>
<td>305</td>
<td>16.2</td>
<td>275</td>
</tr>
<tr>
<td>65 - 74</td>
<td>455</td>
<td>24.1</td>
<td>349</td>
</tr>
<tr>
<td>75 - 84</td>
<td>563</td>
<td>29.8</td>
<td>457</td>
</tr>
<tr>
<td>85+</td>
<td>338</td>
<td>17.9</td>
<td>389</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>0</td>
<td>0.0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>1,888</td>
<td>100.0</td>
<td>1,712</td>
</tr>
</tbody>
</table>

Note: Records where sex was not stated or inadequately described are excluded from the table.
Referral source refers to the facility or organisation from which the patient was referred for each episode of care. Table 16 presents referral source by episode type. Review of referral source can identify opportunities to connect with referral sources that are currently lower than the national referral profile (e.g. a community service with few GP referrals may want to re-address referral or triage practices and look to working more collaboratively).

**Table 16  Referral source by setting**

<table>
<thead>
<tr>
<th>Referral source</th>
<th>Inpatient</th>
<th></th>
<th>Community</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>%</td>
<td>All Services</td>
<td>%</td>
</tr>
<tr>
<td>Public hospital</td>
<td>793</td>
<td>68.4</td>
<td>5,859</td>
<td>51.9</td>
</tr>
<tr>
<td>Private hospital</td>
<td>20</td>
<td>1.7</td>
<td>1,352</td>
<td>12.0</td>
</tr>
<tr>
<td>Outpatient clinic</td>
<td>0</td>
<td>0.0</td>
<td>37</td>
<td>0.3</td>
</tr>
<tr>
<td>General medical practitioner</td>
<td>78</td>
<td>6.7</td>
<td>353</td>
<td>3.1</td>
</tr>
<tr>
<td>Specialist medical practitioner</td>
<td>33</td>
<td>2.8</td>
<td>626</td>
<td>5.5</td>
</tr>
<tr>
<td>Community-based palliative care agency</td>
<td>204</td>
<td>17.6</td>
<td>2,460</td>
<td>21.8</td>
</tr>
<tr>
<td>Community-based service</td>
<td>1</td>
<td>0.1</td>
<td>51</td>
<td>0.5</td>
</tr>
<tr>
<td>Residential aged care facility</td>
<td>9</td>
<td>0.8</td>
<td>105</td>
<td>0.9</td>
</tr>
<tr>
<td>Self, carer(s), family or friends</td>
<td>13</td>
<td>1.1</td>
<td>237</td>
<td>2.1</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
<td>0.3</td>
<td>133</td>
<td>1.2</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>6</td>
<td>0.5</td>
<td>73</td>
<td>0.6</td>
</tr>
<tr>
<td>Total</td>
<td>1,160</td>
<td>100.0</td>
<td>11,286</td>
<td>100.0</td>
</tr>
</tbody>
</table>
Table 17 provides a summary of the time between referral to first contact by setting of care. The time from referral to first contact is calculated as the time from the date of referral received to either the date of first contact (if provided) or the episode start date.

Table 17: Referral to first contact by episode setting

<table>
<thead>
<tr>
<th>Time (in days)</th>
<th>Inpatient</th>
<th></th>
<th>Community</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>%</td>
<td>All Services</td>
<td>%</td>
</tr>
<tr>
<td>Same day or following day</td>
<td>1,024</td>
<td>88.3</td>
<td>10,418</td>
<td>92.3</td>
</tr>
<tr>
<td>2-7 days</td>
<td>109</td>
<td>9.4</td>
<td>742</td>
<td>6.6</td>
</tr>
<tr>
<td>8-14 days</td>
<td>16</td>
<td>1.4</td>
<td>80</td>
<td>0.7</td>
</tr>
<tr>
<td>Greater than 14 days</td>
<td>11</td>
<td>0.9</td>
<td>45</td>
<td>0.4</td>
</tr>
<tr>
<td>Average</td>
<td>1.3</td>
<td>na</td>
<td>1.2</td>
<td>na</td>
</tr>
<tr>
<td>Median</td>
<td>1</td>
<td>na</td>
<td>1</td>
<td>na</td>
</tr>
</tbody>
</table>

Note: Episodes where referral date was not recorded are excluded from the table. In addition, all records where time from referral to first contact was greater than 7 days were considered to be atypical and were assumed to equal 7 days for the purpose of calculating the average and median time.
Table 18 gives a summary of the length of episode for patients in Western Australia and nationally. Table 19 details the length of episode by setting. The length of episode is calculated as the number of days between the episode start date and the episode end date. Bereavement phases are excluded from the calculation and episodes that remain open at the end of the reporting period (and hence do not have an episode end date) are also excluded.

### Table 18 Length of episode (in days) summary by setting

<table>
<thead>
<tr>
<th>Length of episode</th>
<th>Inpatient</th>
<th></th>
<th></th>
<th>Community</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>All Services</td>
<td>WA</td>
<td>All Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average length of episode</td>
<td>9.5</td>
<td>10.9</td>
<td>40.0</td>
<td>40.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median length of episode</td>
<td>5.0</td>
<td>6.0</td>
<td>29.0</td>
<td>28.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Records where length of episode was greater than 180 days were considered to be atypical and are excluded from the average calculations. Only episode ending during the reporting period are included.

### Table 19 Length of episode (in days) by setting

<table>
<thead>
<tr>
<th>Length of episode</th>
<th>Inpatient</th>
<th></th>
<th></th>
<th>Community</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>%</td>
<td>All Services</td>
<td>%</td>
<td>WA</td>
<td>%</td>
</tr>
<tr>
<td>Same day</td>
<td>103</td>
<td>9.1</td>
<td>657</td>
<td>5.9</td>
<td>25</td>
<td>1.2</td>
</tr>
<tr>
<td>1-2 days</td>
<td>298</td>
<td>26.2</td>
<td>2,248</td>
<td>20.1</td>
<td>139</td>
<td>6.9</td>
</tr>
<tr>
<td>3-4 days</td>
<td>163</td>
<td>14.3</td>
<td>1,609</td>
<td>14.4</td>
<td>103</td>
<td>5.1</td>
</tr>
<tr>
<td>5-7 days</td>
<td>196</td>
<td>17.2</td>
<td>1,794</td>
<td>16.1</td>
<td>132</td>
<td>6.6</td>
</tr>
<tr>
<td>8-14 days</td>
<td>197</td>
<td>17.3</td>
<td>2,337</td>
<td>20.9</td>
<td>258</td>
<td>12.8</td>
</tr>
<tr>
<td>15-21 days</td>
<td>67</td>
<td>5.9</td>
<td>1,030</td>
<td>9.2</td>
<td>188</td>
<td>9.4</td>
</tr>
<tr>
<td>22-30 days</td>
<td>42</td>
<td>3.7</td>
<td>630</td>
<td>5.6</td>
<td>180</td>
<td>9.0</td>
</tr>
<tr>
<td>31-60 days</td>
<td>42</td>
<td>3.7</td>
<td>653</td>
<td>5.9</td>
<td>422</td>
<td>21.0</td>
</tr>
<tr>
<td>61-90 days</td>
<td>18</td>
<td>1.6</td>
<td>142</td>
<td>1.3</td>
<td>203</td>
<td>10.1</td>
</tr>
<tr>
<td>Greater than 90 days</td>
<td>12</td>
<td>1.1</td>
<td>57</td>
<td>0.5</td>
<td>359</td>
<td>17.9</td>
</tr>
<tr>
<td>Total</td>
<td>1,138</td>
<td>100.0</td>
<td>11,157</td>
<td>100.0</td>
<td>2,009</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Note: Only episode ending during the reporting period are included.
**Table 20 How episodes start – inpatient setting**

<table>
<thead>
<tr>
<th>Episode start mode</th>
<th>WA</th>
<th>%</th>
<th>All Services</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admitted from community</td>
<td>872</td>
<td>75.2</td>
<td>7,172</td>
<td>63.5</td>
</tr>
<tr>
<td>Admitted from another hospital</td>
<td>260</td>
<td>22.4</td>
<td>2,854</td>
<td>25.3</td>
</tr>
<tr>
<td>Admitted from acute care in another ward</td>
<td>16</td>
<td>1.4</td>
<td>1,049</td>
<td>9.3</td>
</tr>
<tr>
<td>Other*</td>
<td>11</td>
<td>0.9</td>
<td>201</td>
<td>1.8</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>1</td>
<td>0.1</td>
<td>10</td>
<td>0.1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,160</strong></td>
<td><strong>100.0</strong></td>
<td><strong>11,286</strong></td>
<td><strong>100.0</strong></td>
</tr>
</tbody>
</table>

* includes: change from acute care to palliative care while remaining on same ward; change of sub-acute/non-acute care type.

**Table 21 How episodes end – inpatient setting**

<table>
<thead>
<tr>
<th>Episode end mode</th>
<th>WA</th>
<th>%</th>
<th>All Services</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharged to community</td>
<td>510</td>
<td>44.8</td>
<td>3,781</td>
<td>33.9</td>
</tr>
<tr>
<td>Discharged to another hospital</td>
<td>69</td>
<td>6.1</td>
<td>825</td>
<td>7.4</td>
</tr>
<tr>
<td>Death</td>
<td>432</td>
<td>38.0</td>
<td>5,829</td>
<td>52.2</td>
</tr>
<tr>
<td>Other*</td>
<td>126</td>
<td>11.1</td>
<td>386</td>
<td>3.5</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>1</td>
<td>0.1</td>
<td>336</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,138</strong></td>
<td><strong>100.0</strong></td>
<td><strong>11,157</strong></td>
<td><strong>100.0</strong></td>
</tr>
</tbody>
</table>

Note: Only episode ending during the reporting period are included.

* includes: change from palliative care to acute care - different ward; change from palliative care to acute care - same ward; change in sub-acute care type; end of consultative episode – inpatient episode ongoing.
### Table 22 How episodes start – community setting

<table>
<thead>
<tr>
<th>Episode start mode</th>
<th>WA</th>
<th></th>
<th>All Services</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>%</td>
<td>N</td>
<td>%</td>
</tr>
<tr>
<td>Admitted from inpatient palliative care</td>
<td>1,662</td>
<td>68.1</td>
<td>3,961</td>
<td>38.7</td>
</tr>
<tr>
<td>Other</td>
<td>777</td>
<td>31.8</td>
<td>6,208</td>
<td>60.7</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>1</td>
<td>0.0</td>
<td>63</td>
<td>0.6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>2,440</td>
<td>100.0</td>
<td>10,232</td>
<td>100.0</td>
</tr>
</tbody>
</table>

### Table 23 How episodes end – community setting

<table>
<thead>
<tr>
<th>Episode end mode</th>
<th>WA</th>
<th></th>
<th>All Services</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>%</td>
<td>N</td>
<td>%</td>
</tr>
<tr>
<td>Admitted for inpatient palliative care</td>
<td>148</td>
<td>7.4</td>
<td>2,562</td>
<td>28.1</td>
</tr>
<tr>
<td>Admitted for inpatient acute care</td>
<td>943</td>
<td>46.9</td>
<td>2,515</td>
<td>27.6</td>
</tr>
<tr>
<td>Discharged/case closure</td>
<td>193</td>
<td>9.6</td>
<td>874</td>
<td>9.6</td>
</tr>
<tr>
<td>Death</td>
<td>700</td>
<td>34.8</td>
<td>2,467</td>
<td>27.1</td>
</tr>
<tr>
<td>Other*</td>
<td>25</td>
<td>1.2</td>
<td>698</td>
<td>7.7</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>0</td>
<td>0.0</td>
<td>4</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>2,009</td>
<td>100.0</td>
<td>9,120</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Note: Only episode ending during the reporting period are included.

* includes: admitted to another palliative care service, admitted to primary health care and other categories.
3.3 Profile of palliative care phases

The palliative care phase type describes the stage of the patient’s illness and provides a clinical indication of the level of care a patient requires. There are five palliative care phase types; stable, unstable, deteriorating, terminal and bereaved. The palliative care phase is determined by a holistic clinical assessment which considers the needs of the patients and their family and carers. A patient may move back and forth between the stable, unstable, deteriorating and terminal phase types and these may occur in any sequence. See Appendix D for more information on the definition of palliative care phase.

The clinical assessments are assessed daily (or at each visit) and are reported on admission, when the phase changes and at discharge.

Table 24 Number of phases by phase type and setting

<table>
<thead>
<tr>
<th>Phase type</th>
<th>Inpatient</th>
<th></th>
<th>Community</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>%</td>
<td>All Services</td>
<td>%</td>
</tr>
<tr>
<td>Stable</td>
<td>664</td>
<td>28.2</td>
<td>6,664</td>
<td>24.8</td>
</tr>
<tr>
<td>Unstable</td>
<td>355</td>
<td>15.1</td>
<td>6,273</td>
<td>23.3</td>
</tr>
<tr>
<td>Deteriorating</td>
<td>892</td>
<td>37.8</td>
<td>8,105</td>
<td>30.1</td>
</tr>
<tr>
<td>Terminal</td>
<td>378</td>
<td>16.0</td>
<td>4,971</td>
<td>18.5</td>
</tr>
<tr>
<td>Bereaved</td>
<td>69</td>
<td>2.9</td>
<td>874</td>
<td>3.3</td>
</tr>
<tr>
<td>Total phases</td>
<td>2,358</td>
<td>100.0</td>
<td>26,887</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Table 25 Average phase length (in days) by phase type and setting

<table>
<thead>
<tr>
<th>Phase type</th>
<th>Inpatient</th>
<th></th>
<th>Community</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>All Services</td>
<td>WA</td>
<td>All Services</td>
</tr>
<tr>
<td>Stable</td>
<td>6.7</td>
<td>7.1</td>
<td>13.4</td>
<td>20.7</td>
</tr>
<tr>
<td>Unstable</td>
<td>1.8</td>
<td>2.4</td>
<td>1.6</td>
<td>5.5</td>
</tr>
<tr>
<td>Deteriorating</td>
<td>4.2</td>
<td>5.6</td>
<td>9.5</td>
<td>13.5</td>
</tr>
<tr>
<td>Terminal</td>
<td>1.9</td>
<td>2.0</td>
<td>2.4</td>
<td>3.2</td>
</tr>
<tr>
<td>Bereaved</td>
<td>12.2</td>
<td>1.8</td>
<td>35.2</td>
<td>25.5</td>
</tr>
</tbody>
</table>

Note: Phase records where phase length was greater than 90 days were considered to be atypical and are excluded from the average calculations.
Table 26 presents information relating to the manner in which stable phases ended, both for Western Australia and nationally. A stable phase will end if a patient moves into a different phase (phase change), is discharged or dies. Figure 18 and Figure 19 summarise the movement of patients out of the stable phase for the inpatient and community settings. This movement from one phase to another is referred to as phase progression. The phase progression information is derived by PCOC.

Similar information is presented for the unstable (Table 27, Figure 20 and Figure 21), deteriorating (Table 28, Figure 22 and Figure 23) and terminal (Table 28, Figure 24 and Figure 25) phases on the following pages.

Table 26  How stable phases end – by setting

<table>
<thead>
<tr>
<th>How stable phases end</th>
<th>Inpatient</th>
<th>Community</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>%</td>
</tr>
<tr>
<td>Patient moved into another phase</td>
<td>271</td>
<td>40.8</td>
</tr>
<tr>
<td>Discharge/case closure</td>
<td>385</td>
<td>58.0</td>
</tr>
<tr>
<td>Died</td>
<td>8</td>
<td>1.2</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Total</td>
<td>664</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Figure 18  Stable phase progression – inpatient setting

Figure 19  Stable phase progression – community setting
Table 27 How unstable phases end – by setting

<table>
<thead>
<tr>
<th>How unstable phases end</th>
<th>Inpatient</th>
<th></th>
<th>Community</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>%</td>
<td>All Services</td>
<td>%</td>
</tr>
<tr>
<td>Patient moved into another phase</td>
<td>308</td>
<td>86.8</td>
<td>5,665</td>
<td>90.3</td>
</tr>
<tr>
<td>Discharge/case closure</td>
<td>35</td>
<td>9.9</td>
<td>467</td>
<td>7.4</td>
</tr>
<tr>
<td>Died</td>
<td>12</td>
<td>3.4</td>
<td>140</td>
<td>2.2</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>0</td>
<td>0.0</td>
<td>1</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>355</strong></td>
<td><strong>100.0</strong></td>
<td><strong>6,273</strong></td>
<td><strong>100.0</strong></td>
</tr>
</tbody>
</table>

Figure 20 Unstable phase progression – inpatient setting

Figure 21 Unstable phase progression – community setting
### Table 28  How deteriorating phases end – by setting

| How deteriorating phases end | Inpatient | | | | | | | | | | | | | | | |
|-----------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                             | WA | % | All Services | % | WA | % | All Services | % | | | | | | | | |
| Patient moved into another phase | 550 | 61.7 | 5,579 | 68.8 | 3,443 | 80.9 | 5,870 | 61.2 | | | | | | | | |
| Discharge/case closure | 245 | 27.5 | 1,541 | 19.0 | 652 | 15.3 | 2,952 | 30.8 | | | | | | | | |
| Died | 97 | 10.9 | 978 | 12.1 | 163 | 3.8 | 762 | 7.9 | | | | | | | | |
| Not stated/inadequately described | 0 | 0.0 | 7 | 0.1 | 0 | 0.0 | 1 | 0.0 | | | | | | | | |
| Total | 892 | 100.0 | 8,105 | 100.0 | 4,258 | 100.0 | 9,585 | 100.0 | | | | | | | | |

**Figure 22  Deteriorating phase progression – inpatient setting**

**Figure 23  Deteriorating phase progression – community setting**
Table 29 How terminal phases end – by setting

<table>
<thead>
<tr>
<th>How terminal phases end</th>
<th>Inpatient WA</th>
<th>%</th>
<th>All Services %</th>
<th>Community WA</th>
<th>%</th>
<th>All Services %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient moved into another phase</td>
<td>16</td>
<td>4.2</td>
<td>221</td>
<td>171</td>
<td>25.6</td>
<td>247</td>
</tr>
<tr>
<td>Discharge/case closure</td>
<td>41</td>
<td>10.8</td>
<td>101</td>
<td>33</td>
<td>4.9</td>
<td>148</td>
</tr>
<tr>
<td>Died</td>
<td>320</td>
<td>84.7</td>
<td>4,644</td>
<td>464</td>
<td>69.5</td>
<td>1,400</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>1</td>
<td>0.3</td>
<td>5</td>
<td>0</td>
<td>0.0</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>378</td>
<td>100.0</td>
<td>4,971</td>
<td>668</td>
<td>100.0</td>
<td>1,796</td>
</tr>
</tbody>
</table>

Figure 24 Terminal phase progression – inpatient setting

Figure 25 Terminal phase progression – community setting
The Palliative Care Problem Severity Score (PCPSS) is a clinician rated screening tool to assess the overall severity of problems within four key palliative care domains (pain, other symptoms, psychological/spiritual and family/carer). The ratings are: 0 - absent, 1 - mild, 2 - moderate and 3 - severe. The use of this tool provides an opportunity to assist in the need or urgency of intervention.

Table 30 and Table 31 show the percentage scores for the inpatient and community settings respectively for both Western Australia and nationally.

**Table 30  Profile of PCPSS at beginning of phase by phase type – inpatient setting (percentages)**

<table>
<thead>
<tr>
<th>Phase type</th>
<th>Problem severity</th>
<th>WA</th>
<th>All Services</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Absent</td>
<td>Mild</td>
<td>Moderate</td>
</tr>
<tr>
<td>Stable</td>
<td>Pain</td>
<td>42.8</td>
<td>41.1</td>
</tr>
<tr>
<td></td>
<td>Other symptoms</td>
<td>22.8</td>
<td>54.6</td>
</tr>
<tr>
<td></td>
<td>Psychological/spiritual</td>
<td>26.2</td>
<td>57.2</td>
</tr>
<tr>
<td></td>
<td>Family/carer</td>
<td>36.1</td>
<td>41.8</td>
</tr>
<tr>
<td>Unstable</td>
<td>Pain</td>
<td>24.0</td>
<td>23.1</td>
</tr>
<tr>
<td></td>
<td>Other symptoms</td>
<td>8.5</td>
<td>28.4</td>
</tr>
<tr>
<td></td>
<td>Psychological/spiritual</td>
<td>12.2</td>
<td>36.4</td>
</tr>
<tr>
<td></td>
<td>Family/carer</td>
<td>16.9</td>
<td>30.7</td>
</tr>
<tr>
<td>Deteriorating</td>
<td>Pain</td>
<td>28.7</td>
<td>32.2</td>
</tr>
<tr>
<td></td>
<td>Other symptoms</td>
<td>9.9</td>
<td>31.5</td>
</tr>
<tr>
<td></td>
<td>Psychological/spiritual</td>
<td>18.3</td>
<td>43.0</td>
</tr>
<tr>
<td></td>
<td>Family/carer</td>
<td>21.0</td>
<td>35.5</td>
</tr>
<tr>
<td>Terminal</td>
<td>Pain</td>
<td>57.4</td>
<td>27.6</td>
</tr>
<tr>
<td></td>
<td>Other symptoms</td>
<td>39.8</td>
<td>23.0</td>
</tr>
<tr>
<td></td>
<td>Psychological/spiritual</td>
<td>59.1</td>
<td>24.1</td>
</tr>
<tr>
<td></td>
<td>Family/carer</td>
<td>17.6</td>
<td>28.8</td>
</tr>
</tbody>
</table>
Table 31  Profile of PCPSS at beginning of phase by phase type – community setting (percentages)

<table>
<thead>
<tr>
<th>Phase type</th>
<th>WA</th>
<th>All Services</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Problem severity</td>
<td>Absent</td>
</tr>
<tr>
<td>Stable</td>
<td>Pain</td>
<td>43.0</td>
</tr>
<tr>
<td></td>
<td>Other symptoms</td>
<td>15.0</td>
</tr>
<tr>
<td></td>
<td>Psychological/spiritual</td>
<td>35.5</td>
</tr>
<tr>
<td></td>
<td>Family/carer</td>
<td>46.5</td>
</tr>
<tr>
<td>Unstable</td>
<td>Pain</td>
<td>22.4</td>
</tr>
<tr>
<td></td>
<td>Other symptoms</td>
<td>5.4</td>
</tr>
<tr>
<td></td>
<td>Psychological/spiritual</td>
<td>14.8</td>
</tr>
<tr>
<td></td>
<td>Family/carer</td>
<td>19.3</td>
</tr>
<tr>
<td>Deteriorating</td>
<td>Pain</td>
<td>30.9</td>
</tr>
<tr>
<td></td>
<td>Other symptoms</td>
<td>7.4</td>
</tr>
<tr>
<td></td>
<td>Psychological/spiritual</td>
<td>21.6</td>
</tr>
<tr>
<td></td>
<td>Family/carer</td>
<td>31.5</td>
</tr>
<tr>
<td>Terminal</td>
<td>Pain</td>
<td>39.9</td>
</tr>
<tr>
<td></td>
<td>Other symptoms</td>
<td>24.8</td>
</tr>
<tr>
<td></td>
<td>Psychological/spiritual</td>
<td>48.1</td>
</tr>
<tr>
<td></td>
<td>Family/carer</td>
<td>16.2</td>
</tr>
</tbody>
</table>

The Symptom Assessment Scale (SAS) is a patient rated assessment tool and reports a level of distress using a numerical rating scale from 0 - no problems to 10 - worst possible problems. The SAS reports on seven symptoms, these being difficulty sleeping, appetite problems, nausea, bowel problems, breathing problems, fatigue and pain. It provides a clinical picture of these seven symptoms from the patient’s perspective. The SAS scores are grouped in Table 32 and Table 33 on the following pages using the same categories as the PCPSS i.e. absent (0), mild (1-3), moderate (4-7) and severe (8-10).
<table>
<thead>
<tr>
<th>Phase type</th>
<th>Symptom distress</th>
<th>WA</th>
<th>All Services</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0 (Absent)</td>
<td>1-3 (Mild)</td>
<td>4-7 (Moderate)</td>
</tr>
<tr>
<td>Stable</td>
<td>Difficulty sleeping</td>
<td>58.9</td>
<td>22.7</td>
</tr>
<tr>
<td></td>
<td>Appetite problems</td>
<td>56.0</td>
<td>25.0</td>
</tr>
<tr>
<td></td>
<td>Nausea</td>
<td>81.7</td>
<td>12.7</td>
</tr>
<tr>
<td></td>
<td>Bowel problems</td>
<td>60.1</td>
<td>24.1</td>
</tr>
<tr>
<td></td>
<td>Breathing problems</td>
<td>59.9</td>
<td>21.6</td>
</tr>
<tr>
<td></td>
<td>Fatigue</td>
<td>27.8</td>
<td>26.0</td>
</tr>
<tr>
<td></td>
<td>Pain</td>
<td>40.7</td>
<td>34.2</td>
</tr>
<tr>
<td>Unstable</td>
<td>Difficulty sleeping</td>
<td>42.1</td>
<td>17.2</td>
</tr>
<tr>
<td></td>
<td>Appetite problems</td>
<td>42.6</td>
<td>20.2</td>
</tr>
<tr>
<td></td>
<td>Nausea</td>
<td>68.2</td>
<td>15.9</td>
</tr>
<tr>
<td></td>
<td>Bowel problems</td>
<td>54.6</td>
<td>21.0</td>
</tr>
<tr>
<td></td>
<td>Breathing problems</td>
<td>46.9</td>
<td>18.2</td>
</tr>
<tr>
<td></td>
<td>Fatigue</td>
<td>20.8</td>
<td>13.5</td>
</tr>
<tr>
<td></td>
<td>Pain</td>
<td>24.9</td>
<td>20.3</td>
</tr>
<tr>
<td>Deteriorating</td>
<td>Difficulty sleeping</td>
<td>57.2</td>
<td>20.6</td>
</tr>
<tr>
<td></td>
<td>Appetite problems</td>
<td>53.1</td>
<td>19.8</td>
</tr>
<tr>
<td></td>
<td>Nausea</td>
<td>73.8</td>
<td>16.3</td>
</tr>
<tr>
<td></td>
<td>Bowel problems</td>
<td>55.2</td>
<td>25.4</td>
</tr>
<tr>
<td></td>
<td>Breathing problems</td>
<td>51.3</td>
<td>21.9</td>
</tr>
<tr>
<td></td>
<td>Fatigue</td>
<td>22.4</td>
<td>16.9</td>
</tr>
<tr>
<td></td>
<td>Pain</td>
<td>29.1</td>
<td>29.9</td>
</tr>
<tr>
<td>Terminal</td>
<td>Difficulty sleeping</td>
<td>85.9</td>
<td>8.2</td>
</tr>
<tr>
<td></td>
<td>Appetite problems</td>
<td>92.5</td>
<td>1.6</td>
</tr>
<tr>
<td></td>
<td>Nausea</td>
<td>94.4</td>
<td>2.4</td>
</tr>
<tr>
<td></td>
<td>Bowel problems</td>
<td>85.3</td>
<td>8.0</td>
</tr>
<tr>
<td></td>
<td>Breathing problems</td>
<td>57.7</td>
<td>15.4</td>
</tr>
<tr>
<td></td>
<td>Fatigue</td>
<td>78.1</td>
<td>1.6</td>
</tr>
<tr>
<td></td>
<td>Pain</td>
<td>55.9</td>
<td>24.2</td>
</tr>
</tbody>
</table>
### Table 33: Profile of SAS scores at beginning of phase by phase type – community setting (percentages)

<table>
<thead>
<tr>
<th>Phase type</th>
<th>Symptom distress</th>
<th>WA All Services</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0 (Absent)</td>
<td>1-3 (Mild)</td>
</tr>
<tr>
<td>Stable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficulty sleeping</td>
<td>75.0</td>
<td>18.7</td>
</tr>
<tr>
<td>Appetite problems</td>
<td>60.3</td>
<td>28.0</td>
</tr>
<tr>
<td>Nausea</td>
<td>88.3</td>
<td>10.6</td>
</tr>
<tr>
<td>Bowel problems</td>
<td>77.0</td>
<td>19.1</td>
</tr>
<tr>
<td>Breathing problems</td>
<td>64.7</td>
<td>25.2</td>
</tr>
<tr>
<td>Fatigue</td>
<td>15.7</td>
<td>32.2</td>
</tr>
<tr>
<td>Pain</td>
<td>51.0</td>
<td>40.4</td>
</tr>
<tr>
<td>Unstable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficulty sleeping</td>
<td>52.8</td>
<td>19.7</td>
</tr>
<tr>
<td>Appetite problems</td>
<td>42.6</td>
<td>18.7</td>
</tr>
<tr>
<td>Nausea</td>
<td>65.4</td>
<td>14.0</td>
</tr>
<tr>
<td>Bowel problems</td>
<td>68.0</td>
<td>14.8</td>
</tr>
<tr>
<td>Breathing problems</td>
<td>58.7</td>
<td>18.4</td>
</tr>
<tr>
<td>Fatigue</td>
<td>11.8</td>
<td>12.3</td>
</tr>
<tr>
<td>Pain</td>
<td>25.1</td>
<td>21.9</td>
</tr>
<tr>
<td>Deteriorating</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficulty sleeping</td>
<td>67.0</td>
<td>20.0</td>
</tr>
<tr>
<td>Appetite problems</td>
<td>52.1</td>
<td>25.0</td>
</tr>
<tr>
<td>Nausea</td>
<td>80.6</td>
<td>14.7</td>
</tr>
<tr>
<td>Bowel problems</td>
<td>69.4</td>
<td>20.9</td>
</tr>
<tr>
<td>Breathing problems</td>
<td>57.9</td>
<td>24.9</td>
</tr>
<tr>
<td>Fatigue</td>
<td>11.5</td>
<td>20.4</td>
</tr>
<tr>
<td>Pain</td>
<td>38.3</td>
<td>37.6</td>
</tr>
<tr>
<td>Terminal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficulty sleeping</td>
<td>76.8</td>
<td>10.9</td>
</tr>
<tr>
<td>Appetite problems</td>
<td>84.1</td>
<td>2.7</td>
</tr>
<tr>
<td>Nausea</td>
<td>89.9</td>
<td>7.1</td>
</tr>
<tr>
<td>Bowel problems</td>
<td>86.1</td>
<td>8.9</td>
</tr>
<tr>
<td>Breathing problems</td>
<td>62.8</td>
<td>18.3</td>
</tr>
<tr>
<td>Fatigue</td>
<td>64.8</td>
<td>1.3</td>
</tr>
<tr>
<td>Pain</td>
<td>47.5</td>
<td>27.4</td>
</tr>
</tbody>
</table>
The Australia-modified Karnofsky Performance Status (AKPS) is a measure of the patient’s overall performance status or ability to perform their activities of daily living. It is a single score between 0 and 100 assigned by a clinician based on observations of a patient’s ability to perform common tasks relating to activity, work and self-care. Table 34 shows the data for the AKPS at phase start.

### Table 34  Australia-modified Karnofsky Performance Status (AKPS) at phase start by setting

<table>
<thead>
<tr>
<th>AKPS assessment</th>
<th>Inpatient</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>%</td>
<td>All Services</td>
<td>%</td>
<td>WA</td>
<td>%</td>
<td>All Services</td>
</tr>
<tr>
<td>10 - Comatose or barely rousable</td>
<td>234</td>
<td>10.2</td>
<td>2,623</td>
<td>10.1</td>
<td>277</td>
<td>3.0</td>
<td>727</td>
</tr>
<tr>
<td>20 - Totally bedfast and requiring extensive nursing care</td>
<td>445</td>
<td>19.4</td>
<td>5,848</td>
<td>22.5</td>
<td>847</td>
<td>9.3</td>
<td>2,079</td>
</tr>
<tr>
<td>30 - Almost completely bedfast</td>
<td>257</td>
<td>11.2</td>
<td>3,515</td>
<td>13.5</td>
<td>511</td>
<td>5.6</td>
<td>1,563</td>
</tr>
<tr>
<td>40 - In bed more than 50% of the time</td>
<td>289</td>
<td>12.6</td>
<td>4,637</td>
<td>17.8</td>
<td>735</td>
<td>8.1</td>
<td>2,576</td>
</tr>
<tr>
<td>50 - Requires considerable assistance</td>
<td>594</td>
<td>26.0</td>
<td>4,594</td>
<td>17.7</td>
<td>1,689</td>
<td>18.6</td>
<td>5,121</td>
</tr>
<tr>
<td>60 - Requires occasional assistance</td>
<td>334</td>
<td>14.6</td>
<td>2,571</td>
<td>9.9</td>
<td>2,659</td>
<td>29.2</td>
<td>5,782</td>
</tr>
<tr>
<td>70 - Cares for self</td>
<td>82</td>
<td>3.6</td>
<td>622</td>
<td>2.4</td>
<td>1,975</td>
<td>21.7</td>
<td>3,394</td>
</tr>
<tr>
<td>80 - Normal activity with effort</td>
<td>16</td>
<td>0.7</td>
<td>182</td>
<td>0.7</td>
<td>350</td>
<td>3.8</td>
<td>805</td>
</tr>
<tr>
<td>90 - Able to carry on normal activity; minor signs or symptoms</td>
<td>5</td>
<td>0.2</td>
<td>59</td>
<td>0.2</td>
<td>46</td>
<td>0.5</td>
<td>171</td>
</tr>
<tr>
<td>100 - Normal; no complaints; no evidence of disease</td>
<td>0</td>
<td>0.0</td>
<td>3</td>
<td>0.0</td>
<td>0</td>
<td>0.0</td>
<td>7</td>
</tr>
<tr>
<td>Not stated/inadequately described</td>
<td>33</td>
<td>1.4</td>
<td>1,359</td>
<td>5.2</td>
<td>6</td>
<td>0.1</td>
<td>342</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,289</strong></td>
<td><strong>100.0</strong></td>
<td><strong>26,013</strong></td>
<td><strong>100.0</strong></td>
<td><strong>9,095</strong></td>
<td><strong>100.0</strong></td>
<td><strong>22,567</strong></td>
</tr>
</tbody>
</table>

The Resource Utilisation Groups – Activities of Daily Living (RUG-ADL) consists of four items (bed mobility, toileting, transfers and eating) and assesses the level of functional dependence. The RUG-ADL are assessed daily (or at each visit) and are reported on admission, when the phase changes and at discharge. Figure 26 and Figure 27 on the following two pages summarise the total RUG-ADL at the beginning of each phase for inpatients and community patients. The total score on the RUG-ADL ranges from a minimum of 4 (lowest level of functional dependency) to a maximum of 18 (highest level of functional dependency).

AKPS & RUG-ADL can be used together to provide a profile of both patient dependency, equipment requirements, need for allied health referrals and carer burden/respite requirements.
Figure 26 Total RUG-ADL at beginning of phase by phase type – inpatient setting

Stable Phase

Unstable Phase

Deteriorating Phase

Terminal Phase

Total RUG-ADL at start of phase

Percentage of phases

All services  WA

Total RUG-ADL at start of phase

Percentage of phases

All services  WA

Total RUG-ADL at start of phase

Percentage of phases

All services  WA

Total RUG-ADL at start of phase

Percentage of phases

All services  WA

Total RUG-ADL at start of phase
Figure 27 Total RUG-ADL at beginning of phase by phase type – community setting

Stable Phase

Unstable Phase

Deteriorating Phase

Terminal Phase

Total RUG-ADL at start of phase

Percentage of phases

Total RUG-ADL at start of phase

Percentage of phases

Total RUG-ADL at start of phase

Percentage of phases

Total RUG-ADL at start of phase

Percentage of phases

All services

WA
Appendix A  Summary of data included in this report

A1 Data summary

During the reporting period, data were provided for a total of 16,833 patients who between them had 21,518 episodes of care and 49,643 palliative care phases. These total numbers are determined by a data scoping method. This method looks at the phase level data first and includes all phases that ended within the current reporting period. The associated episodes and patients are then determined (Appendix B contains a more detailed explanation of this process). Table 35 shows the number of patients, episodes and phases included in this report – both for Western Australia and nationally.

A consequence of the data scoping method is that it is likely that not all phases related to a particular episode are included in this report. Hence, the average number of phases per episode calculation shown in Table 35 may be an underestimate (due to episodes that cross-over 2 or more reporting periods) as it only includes phases that ended within the current reporting period.

Table 35  Number and percentage of patients, episodes and phases by setting

<table>
<thead>
<tr>
<th></th>
<th>Inpatient</th>
<th>Community</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>All Services</td>
<td>WA</td>
</tr>
<tr>
<td>Number of patients*</td>
<td>950</td>
<td>9,509</td>
<td>1,883</td>
</tr>
<tr>
<td>Number of episodes</td>
<td>1,160</td>
<td>11,286</td>
<td>2,440</td>
</tr>
<tr>
<td>Number of phases</td>
<td>2,358</td>
<td>26,887</td>
<td>9,233</td>
</tr>
<tr>
<td>Percentage of patients*</td>
<td>34.4</td>
<td>56.5</td>
<td>68.1</td>
</tr>
<tr>
<td>Percentage of episodes</td>
<td>32.2</td>
<td>52.4</td>
<td>67.8</td>
</tr>
<tr>
<td>Percentage of phases</td>
<td>20.3</td>
<td>54.2</td>
<td>79.7</td>
</tr>
<tr>
<td>Average number of phases per episode**</td>
<td>2.0</td>
<td>2.3</td>
<td>3.6</td>
</tr>
</tbody>
</table>

* Patients seen in both settings are only counted once in the total column and hence numbers/percentages may not add to the total.
** Average number of phases per episode is only calculated for closed episodes that started and ended within the reporting period and excludes bereavement phases.
Table 36 shows the number of completed episodes and phases by setting in the current reporting period for Western Australia. This table identifies any change in patient numbers during the reporting period.

**Table 36 Number of completed episodes and phases by month and setting**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient</td>
<td>No. of completed episodes</td>
<td>184</td>
<td>173</td>
<td>200</td>
<td>189</td>
<td>203</td>
</tr>
<tr>
<td></td>
<td>No. of completed phases</td>
<td>407</td>
<td>371</td>
<td>422</td>
<td>386</td>
<td>407</td>
</tr>
<tr>
<td>Community</td>
<td>No. of completed episodes</td>
<td>297</td>
<td>330</td>
<td>352</td>
<td>339</td>
<td>370</td>
</tr>
<tr>
<td></td>
<td>No. of completed phases</td>
<td>1,482</td>
<td>1,433</td>
<td>1,504</td>
<td>1,518</td>
<td>1,756</td>
</tr>
</tbody>
</table>
A2 Data item completion

As shown in Table 37, Table 38 and Table 39 below, the rate of data completion is very high. In reviewing these tables, it is important to note that in some cases some data items are not required to be completed. For example, place of death is only required for community patients who have died. Hence the complete column in the following tables only refers to the percentage of complete records where the data item was relevant.

PCOC strongly encourages services to complete and submit the whole data set on every patient as non-completion may result in services being excluded from relevant benchmarking activities or erroneous conclusions being drawn. Low completion of data items may also distort percentages and graphs in some sections.

Table 37  Item completion (per cent complete) - patient level

<table>
<thead>
<tr>
<th>Data item</th>
<th>WA</th>
<th>All Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of birth</td>
<td>100.0</td>
<td>100.0</td>
</tr>
<tr>
<td>Sex</td>
<td>100.0</td>
<td>100.0</td>
</tr>
<tr>
<td>Indigenous status</td>
<td>96.2</td>
<td>98.0</td>
</tr>
<tr>
<td>Country of birth</td>
<td>97.1</td>
<td>98.8</td>
</tr>
<tr>
<td>Preferred language</td>
<td>100.0</td>
<td>99.9</td>
</tr>
<tr>
<td>Primary diagnosis</td>
<td>98.6</td>
<td>99.6</td>
</tr>
</tbody>
</table>

Note: This table is not split by setting to be consistent with the patient level analysis throughout this report.

Table 38  Item completion by setting (per cent complete) - episode level

<table>
<thead>
<tr>
<th>Data item</th>
<th>Inpatient</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WA</td>
<td>All Services</td>
<td>WA</td>
<td>All Services</td>
<td>WA</td>
<td>All Services</td>
</tr>
<tr>
<td>Date of first contact</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
<td>99.9</td>
<td>100.0</td>
<td>99.9</td>
</tr>
<tr>
<td>Referral date</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
<td>99.9</td>
<td>100.0</td>
<td>100.0</td>
</tr>
<tr>
<td>Referral source</td>
<td>99.5</td>
<td>99.4</td>
<td>99.8</td>
<td>98.4</td>
<td>99.7</td>
<td>98.9</td>
</tr>
<tr>
<td>Date ready for care</td>
<td>100.0</td>
<td>96.3</td>
<td>100.0</td>
<td>99.9</td>
<td>100.0</td>
<td>98.0</td>
</tr>
<tr>
<td>Mode of episode start</td>
<td>99.9</td>
<td>99.9</td>
<td>100.0</td>
<td>99.4</td>
<td>99.9</td>
<td>99.7</td>
</tr>
<tr>
<td>Accommodation at episode start</td>
<td>99.3</td>
<td>99.7</td>
<td>99.8</td>
<td>97.0</td>
<td>99.7</td>
<td>98.2</td>
</tr>
<tr>
<td>Episode end date</td>
<td>99.0</td>
<td>99.6</td>
<td>87.2</td>
<td>92.8</td>
<td>91.0</td>
<td>96.4</td>
</tr>
<tr>
<td>Mode of episode end</td>
<td>99.9</td>
<td>97.0</td>
<td>100.0</td>
<td>99.9</td>
<td>100.0</td>
<td>98.4</td>
</tr>
<tr>
<td>Accommodation at episode end</td>
<td>97.1</td>
<td>98.3</td>
<td>99.6</td>
<td>93.1</td>
<td>97.9</td>
<td>96.8</td>
</tr>
<tr>
<td>Place of death</td>
<td>na</td>
<td>na</td>
<td>100.0</td>
<td>97.7</td>
<td>100.0</td>
<td>97.7</td>
</tr>
<tr>
<td>Data item</td>
<td>Sub-Category</td>
<td>At phase start</td>
<td></td>
<td>At discharge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>(where applicable)</td>
<td>Inpatient</td>
<td>Community</td>
<td>Total</td>
<td>Inpatient</td>
<td>Community</td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td>WA</td>
<td>All Services</td>
<td>WA</td>
<td>All Services</td>
<td>WA</td>
<td>All Services</td>
</tr>
<tr>
<td><strong>RUG-ADL</strong></td>
<td>Bed mobility</td>
<td>99.8</td>
<td>99.6</td>
<td>98.4</td>
<td>97.9</td>
<td>98.7</td>
</tr>
<tr>
<td></td>
<td>Toileting</td>
<td>99.7</td>
<td>99.6</td>
<td>97.5</td>
<td>97.5</td>
<td>98.0</td>
</tr>
<tr>
<td></td>
<td>Transfers</td>
<td>99.7</td>
<td>99.6</td>
<td>95.9</td>
<td>96.8</td>
<td>96.7</td>
</tr>
<tr>
<td></td>
<td>Eating</td>
<td>99.6</td>
<td>99.4</td>
<td>92.6</td>
<td>95.2</td>
<td>94.0</td>
</tr>
<tr>
<td><strong>PCPSS</strong></td>
<td>Pain</td>
<td>81.3</td>
<td>98.0</td>
<td>100.0</td>
<td>98.1</td>
<td>96.2</td>
</tr>
<tr>
<td></td>
<td>Other symptom</td>
<td>80.6</td>
<td>97.8</td>
<td>99.8</td>
<td>97.4</td>
<td>96.0</td>
</tr>
<tr>
<td></td>
<td>Psychological/spiritual</td>
<td>98.8</td>
<td>99.5</td>
<td>99.9</td>
<td>97.8</td>
<td>99.7</td>
</tr>
<tr>
<td></td>
<td>Family/carer</td>
<td>72.4</td>
<td>96.7</td>
<td>99.5</td>
<td>96.8</td>
<td>94.1</td>
</tr>
<tr>
<td><strong>SAS</strong></td>
<td>Difficulty sleeping</td>
<td>99.0</td>
<td>93.3</td>
<td>97.5</td>
<td>94.1</td>
<td>97.8</td>
</tr>
<tr>
<td></td>
<td>Appetite problems</td>
<td>99.0</td>
<td>93.7</td>
<td>95.0</td>
<td>95.0</td>
<td>95.8</td>
</tr>
<tr>
<td></td>
<td>Nausea</td>
<td>99.4</td>
<td>93.7</td>
<td>98.8</td>
<td>96.9</td>
<td>98.9</td>
</tr>
<tr>
<td></td>
<td>Bowel problems</td>
<td>98.7</td>
<td>93.5</td>
<td>96.7</td>
<td>95.3</td>
<td>97.1</td>
</tr>
<tr>
<td></td>
<td>Breathing problems</td>
<td>99.4</td>
<td>93.7</td>
<td>98.4</td>
<td>96.5</td>
<td>98.6</td>
</tr>
<tr>
<td></td>
<td>Fatigue</td>
<td>98.7</td>
<td>93.6</td>
<td>96.8</td>
<td>96.2</td>
<td>97.2</td>
</tr>
<tr>
<td>AKPS</td>
<td>Pain</td>
<td>99.6</td>
<td>93.7</td>
<td>99.5</td>
<td>97.7</td>
<td>99.6</td>
</tr>
<tr>
<td><strong>Data item</strong></td>
<td>Inpatient</td>
<td>Community</td>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>WA</td>
<td>All Services</td>
<td>WA</td>
<td>All Services</td>
<td>WA</td>
<td>All Services</td>
</tr>
<tr>
<td><strong>Phase End Reason</strong></td>
<td>100.0</td>
<td>99.9</td>
<td>100.0</td>
<td>99.9</td>
<td>100.0</td>
<td>99.9</td>
</tr>
</tbody>
</table>
Appendix B  Data scoping method

The method used to determine which data is included in a PCOC report looks at the phase level records first. All phase records that end within the 6 month reporting period are deemed to be “in scope” and would be included in the report. The episode and patient records associated with these phases are also deemed to be “in scope” and hence would also be included in the report. Figure 28 below displays four examples to help visualize this process.

**Figure 28  Diagram of the PCOC data scoping method**

In **Example 1**, the patient (represented by the green line) has one episode (represented by the blue line). This episode has six phases (represented by the purple line segments). All six phases would be included in the report as they all end within the reporting period. Hence, the episode and patient would also be in the report.

In **Example 2**, the patient has two episodes - the first having six phases and the second having seven phases. Looking at the phases associated with the first episode, the last four will be included in the report (as they end within the reporting period). The first two phases would have been included in the previous report. For the phases relating to the second episode, only the first three end within the reporting period, so only these would be included in the report. The following four phases would be included in the next report. Both of the episode records and the patient record would also be included in the report.

In **Example 3**, the patient has one episode and five phases. Only the last three phases will be included in the report as they are the only ones ending within the reporting period (the first two phases would have been included in the previous report). The episode and patient records would be included in the report.

In **Example 4**, the patient again has one episode and five phases. This time, only the first three phases will be included in the report (the last two phases will be included in the next report). Again, the episode and patient records would be included in the report.
Appendix C  X-CAS technical notes

The procedure for calculating X-CAS is as follows:

Step 1. Using the baseline data, calculate the average change in symptom for all patients in the same phase, having the same symptom start score. This is called the expected change.

Step 2. For each individual phase, calculate the change in symptom score (start score minus end score).

Step 3. For each individual phase, calculate the difference between their change in symptom score (calculated in step 2) and the relevant expected change (calculated in step 1).

Step 4. Average all of the values calculated in step 3 to produce the service’s Symptom Casemix-Adjusted Score (e.g. PCAS).

Example:

<table>
<thead>
<tr>
<th>Phase</th>
<th>PCPSS Pain at start</th>
<th>PCPSS Pain at end</th>
<th>Step 1: Expected PCPSS Pain change (from Report 6 National Database)</th>
<th>Step 2: PCPSS Pain change (start score minus end score)</th>
<th>Step 3: Difference (Step 2 minus Step 1)</th>
<th>Step 4: Average of values in step 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>0</td>
<td>1</td>
<td>-0.8</td>
<td>-1</td>
<td>-0.2</td>
<td>-0.2+0.9+0.4-0.4 = 0.175</td>
</tr>
<tr>
<td>Stable</td>
<td>1</td>
<td>1</td>
<td>-0.9</td>
<td>0</td>
<td>0.9</td>
<td>4</td>
</tr>
<tr>
<td>Unstable</td>
<td>3</td>
<td>1</td>
<td>1.6</td>
<td>2</td>
<td>0.4</td>
<td></td>
</tr>
<tr>
<td>Deteriorating</td>
<td>2</td>
<td>1</td>
<td>1.4</td>
<td>1</td>
<td>-0.4</td>
<td>= 0.175</td>
</tr>
</tbody>
</table>
### Appendix D  Palliative Care Phase definitions

<table>
<thead>
<tr>
<th>START</th>
<th>END</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Stable</strong></td>
<td>The needs of the patient and/or family/carer increase, requiring changes to the existing plan of care.</td>
</tr>
<tr>
<td>Patient problems and symptoms are adequately controlled by established plan of care and&lt;br&gt; Further interventions to maintain symptom control and quality of life have been planned and&lt;br&gt; Family/carer situation is relatively stable and no new issues are apparent.</td>
<td></td>
</tr>
<tr>
<td><strong>2. Unstable</strong></td>
<td></td>
</tr>
<tr>
<td>An urgent change in the plan of care or emergency treatment is required because&lt;br&gt; Patient experiences a new problem that was not anticipated in the existing plan of care, and/or&lt;br&gt; Patient experiences a rapid increase in the severity of a current problem; and/or&lt;br&gt; Family/carer circumstances change suddenly impacting on patient care.</td>
<td>The new plan of care is in place, it has been reviewed and no further changes to the care plan are required. This does not necessarily mean that the symptom/crisis has fully resolved but there is a clear diagnosis and plan of care (i.e. patient is stable or deteriorating) and/or&lt;br&gt; Death is likely within days (i.e. patient is now terminal).</td>
</tr>
<tr>
<td>The care plan is addressing anticipated needs but requires periodic review because&lt;br&gt; Patients overall functional status is declining and&lt;br&gt; Patient experiences a gradual worsening of existing problem and/or&lt;br&gt; Patient experiences a new but anticipated problem and/or&lt;br&gt; Family/carer experiences gradual worsening distress that impacts on the patient care.</td>
<td></td>
</tr>
<tr>
<td><strong>4. Terminal</strong></td>
<td></td>
</tr>
<tr>
<td>Death is likely within days.</td>
<td>Patient dies or&lt;br&gt; Patient condition changes and death is no longer likely within days (i.e. patient is now stable or deteriorating).</td>
</tr>
<tr>
<td><strong>5. Bereavement – post death support</strong></td>
<td></td>
</tr>
<tr>
<td>The patient has died&lt;br&gt; Bereavement support provided to family/carers is documented in the deceased patient’s clinical record.</td>
<td>Case closure&lt;br&gt;Note: If counselling is provided to a family member or carer, they become a client in their own right.</td>
</tr>
</tbody>
</table>
Acknowledgements

Contributions
PCOC wishes to acknowledge the valuable contribution made by the many staff from palliative care services who have spent considerable time collecting, collating and correcting the data and without whose effort this report would not be possible.

Disclaimer
PCOC has made every effort to ensure that the data used in this report are accurate. Data submitted to PCOC are checked for anomalies and services are asked to re-submit data prior to the production of the PCOC report. We would advise readers to use their professional judgement in considering all information contained in this report.

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