

# AMBER CARE BUNDLE

## A GUIDE TO DEVELOPING A MEASUREMENT, REPORTING AND EVALUATION PLAN



CLINICAL  
EXCELLENCE  
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# Introduction

Measurement, reporting and evaluation ensures that clinical practice changes are actually being carried out and provides a source of feedback and learning. The purpose of this guide is to outline the recommended approach to collecting information on the implementation and effect of the AMBER care bundle.

## The AMBER care bundle data collection requirements

Prior to implementing the AMBER care bundle the project team should consider how they will measure its effect. When planning to implement improvement strategies, it is important to collect initial data to provide a baseline for data comparison and assist in identifying areas that may require focussed attention. Data from the initial collection can be used to engage organisational and clinician support for improvement. Regular collection of data will indicate the effectiveness of strategies used.

## Self-Assessment

Measurement / Outcomes				
	Yes	Somewhat	No	Don't know
The metrics / measures that the team want to use to assess the impact of the AMBER care bundle have been agreed				
<ul style="list-style-type: none"> <li>outcome measures</li> </ul>				
<ul style="list-style-type: none"> <li>process measures</li> </ul>				
The process for data collection has been developed				
The responsibility of overseeing the measurement activities has been assigned				

- If there is a 'no' or 'don't know' response to any of the questions direct action is required
- If a 'somewhat' response is chosen further action is required.
- If a 'yes' response is chosen no further action is required.

## Baseline / pre-implementation data collection



- The pre implantation audit is based on retrospective data, so you can begin to implement the AMBER care bundle at the same time or prior to these being completed.
- The baseline audit will provide you with a case for change and a means to monitor improvement.

The purpose of the baseline audit is to assess the current reliability of practice in your hospital towards patients whose recovery is uncertain. It takes the form of a retrospective review the notes of the last 10-15 patients who died in hospital.

### Selecting the sample for the baseline audit

To avoid statistical bias the sample of cases you audit should be of consecutive deaths or discharge dates; you should contact your medical records department to help get this sample.

You may experience problems obtaining notes for each and every patient identified in your sample. To reduce this problem we recommend oversampling (i.e. initially identifying more than the 10 patients required for the audit), so that you can make sure you can retrieve enough notes to complete the required number.

### The AMBER care bundle audit spreadsheet

We have developed a spreadsheet to help you complete the audits required for the AMBER care bundle minimum dataset. We suggest you use this spreadsheet for all of your audits as it will help you collect data in a standardised way so that results can be compared to show improvement.

# Monthly data collection



At a minimum you should aim to collect monthly: total number of patients who received the AMBER care bundle and reporting should include:

- Number of AMBER care bundles initiated
- Number of patients where all 4 parts of AMBER care bundle tool completed
- Number of patients with last days of life care plan initiated
- Any issues with completing the AMBER care bundle
- A patient or staff story illustrating the impact of the AMBER care bundle

The Excel spread sheet has been set up to automatically calculate and graph your progress monthly. For instructions on how to use the Excel spreadsheet for data collection see below.

## Step 1: Enter the data for each patient on the form in each month

January	February	March	April	May	June	July	August	Sept	Oct	Nov	Dec
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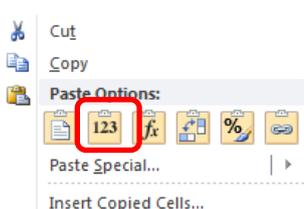
**N.B:** You must enter a commencement and completion date

The table above the data collection form will automatically fill with the number of patients and % of activities completed

Patients commencing AMBER	All day one interventions completed	Patient monitored daily	Reason for cessation documented
1	100%	100%	100%

## Step 2: Enter these totals on the "Monthly\_Data\_For\_Graphs" page

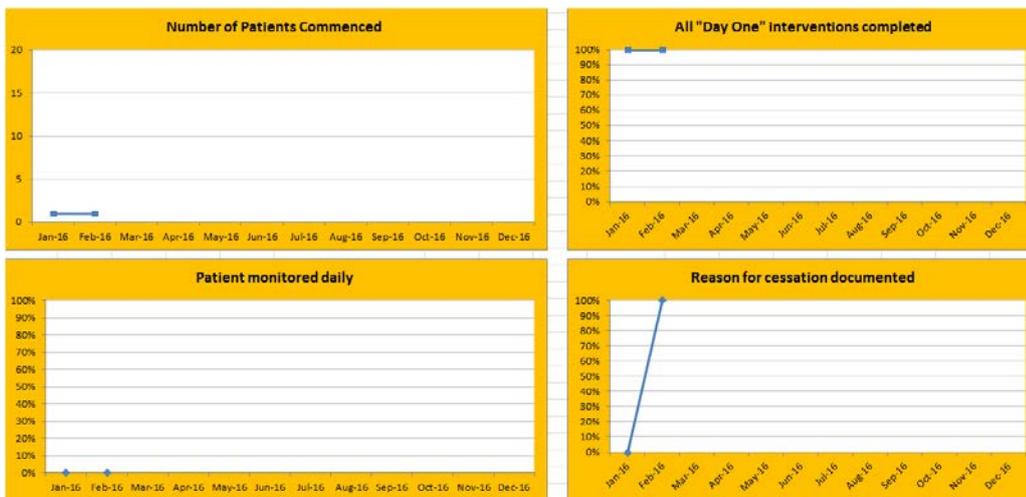
To put this data into the "Monthly\_Data\_Collection" section you can either manually enter the data OR highlight the data → right click → copy → go to chart → right click and paste 'values'



**Step 3: Enter each months totals from the yellow cells on the "Monthly\_Data\_Collection" page on a new row**

	Facility	Ward	Month	Patients commencing AMBER
1	Bega Hospital	Medical	Jan-16	1
2	Bega Hospital	Medical	Feb-16	1
3	Bega Hospital	Medical	Mar-16	
4	Bega Hospital	Medical	Apr-16	
5	Bega Hospital	Medical	May-16	
6	Bega Hospital	Medical	Jun-16	
7	Bega Hospital	Medical	Jul-16	
8	Bega Hospital	Medical	Aug-16	
9	Bega Hospital	Medical	Sep-16	
10	Bega Hospital	Medical	Oct-16	
11	Bega Hospital	Medical	Nov-16	
12	Bega Hospital	Medical	Dec-16	

**Step 4: Go to the "Monthly\_Graphs" page and print a copy for your reporting**



## Patient-level data

Whatever method you use you should aim to keep an active list of all the patients in your hospital who receive care supported by the AMBER care bundle. You can keep this information in the spreadsheet in the early stages (supplied by the CEC), but as your project progresses you should try to hold this data electronically, through the eMR.

## Annual (12 monthly) data collection



Measurement for improvement methodologies suggests that you should have outcome, process and balancing measures. When repeating your audit it's important not to set your expectations too high as you may still have quite a way to go towards completing your AMBER care bundle implementations. You should also make sure that you collect your information using the same methods you used initially, or if you have to change your methods (e.g. if an exact repetition of your measure is no longer possible), make sure you document what you changed and why.

### Annual audit / reporting

The purpose of the follow up audit is to assess your hospital's progress in implementing the AMBER care bundle and to demonstrate the impact that your implementation has had. Select a sample of the last 10 - 15 consecutive patients who have received care supported by the AMBER care bundle; complete a retrospective review of their case notes using the AMBER care bundle audit spreadsheet.

You can also use this stage to collect all the information you have gathered into a report. This could include:

- A graph of patients whose care is supported by the AMBER care bundle over time to see how this has increased
- Your audit results by ward or specialism to provide feedback to clinical colleagues.

# Evaluation

Evaluation is a systematic process to determine if an improvement is being made. It is important to monitor report and evaluate the AMBER care bundle data to ensure that clinical practice and processes for recognition and management of the patient with uncertain recovery are effective.

## Local Health District/Network

Clinical governance units have established monitoring and reporting requirements and systems at LHD level such as the End of Life committee.

## Facility

Processes established for ward/unit and facility monitoring of progress. Suggest that monitoring and report processes be integrated with existing MET data reporting / Health Care Quality Committee reporting oversight.

## Clinical Unit/Ward

Monitoring and reporting processes should be integrated with existing M&M/clinical review meetings.

## In your unit/facility

It is important to plan your measurement requirements. What do you need to demonstrate, and to whom?

Outcome measures	Process measures
Patients dying in preferred place of death	Appropriate patients identified
Readmission rates	Compliance to the all four components of the care bundle
Decrease number of MET calls	
Bereaved relatives views	

Project teams are encouraged to select or develop local strategies to address any identified weaknesses.



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