

Capturing Non-Admitted Patient Activity for ABF Reporting

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Sydney Children's Hospitals Network (Westmead)

Introduction

Activity Based Funding (ABF) is a method of allocating funds based on the activity of an organisation/service.

Non-Admitted Patient Activity by Health Care providers is required to be reported for each patient receiving care where clinical documentation is recorded.

As there was no State-wide statistical collection system available in NSW, the Sydney Children's Hospitals Network (Westmead) chose the integrated electronic medical record (eMR) to design a capture/extract solution for ABF reporting.

Challenges and Issues

- As primarily a clinical information system, the eMR was not designed for statistics collection
- Not all non-scheduled or ad hoc activity could suitably be recorded in a scheduled appointment
- Any solution requires integration into the clinical workflow and should reduce the reporting burden on clinical staff



Objectives

To implement a non admitted ABF data collection solution utilising existing eMR functionality with minimal impact to clinical workflow and to comply with mandatory NSW Ministry of Health requirements



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Method – PM & Scheduling

Scheduling: additional fields to capture ABF statistics were added to the existing Scheduling design. Person information drawn from standard PM capture.

This solution currently accounts for approximately 85% of all eMR activity reported (may reduce).

Books Appointment

Referral Source
Elsewhere in this Hospital

Referral Date
10/02/2013

Referral Received Date
11/02/2013

Additional Provider 1
Medical

Additional Provider 2
Nursing

Additional Provider 3

Financial Class
No Charge - OPD

Method – PM and PowerChart (Clinical Documentation)

PowerChart: at SCHN Westmead about 15,000 electronic Clinical Documentation forms (excluding Allied Health) were already charted each month so to minimise the data entry impact we developed additional fields within existing forms to seamlessly integrate with workflow*

*A stand alone collection form was also developed for those who document clinical notes in another format (e.g. on paper) but want to electronically capture statistics for the service

Method – PM and PowerChart (Clinical Documentation)

This form derives ABF information from the clinical documentation workflow

Captures the Service Unit and derives other 'service event' items

Captures Modality of Care (Type of Consultation)

Phone/Communication Note

MRN: 1141892 TEST, Panda Kungfu Sex: M Age: Home
Interpreter required: Not Preferred language: Japanese

Please ensure the 'Performed on' date at the top of the form

Clinical Team/ Department: [Dropdown]
Duration (in minutes): [Text] min

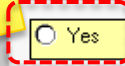
Communication type:
 Phone Letter Case Management/ Case Planning
 Email Fax Case Conference
 Face to face Tele-medicine

Note: Tahoma [Rich Text Editor]
*Content of emails can be pasted (using the paste button) into the Note section of this form and will be INCLUDED IN THE PATIENT'S MEDICAL RECORD

Click 'Yes' to enter Non-admitted ABF statistics. Yes No

Only select 'Yes' if this activity has not been recorded through a Scheduled clinic or other ABF data collection system. If you select 'Yes' you will be required to complete an additional section.

Include in extract



Outpatient Statistics

Last Reviewed:
Feb 2013

This form is for the purpose of capturing data for NSW Ministry of Health Non-admitted Activity Based Funding (ABF) statistics.

Please ensure the 'Performed on' date at the top of the form is the date of the service.

Health Care Provider	<input type="text" value="Medical"/>
Provider Location	<input type="radio"/> Hospital (includes phone calls) <input type="radio"/> Outreach - Interstate <input type="radio"/> Other <input type="radio"/> Home Visit <input type="radio"/> Outreach - Other Hospital <input type="radio"/> Outreach - Community Health Centre <input type="radio"/> School/Pre-School/Day Care
Referral Source	<input type="radio"/> Self (Patient calls you) <input type="radio"/> General practice <input type="radio"/> Other hospital <input type="radio"/> Elsewhere in this Hospital <input type="radio"/> Non hospital <input type="radio"/> Other Outpatient Clinic <input type="radio"/> Emergency Department <input type="radio"/> Not Available <input type="radio"/> Specialist practice
Financial Class	<input type="text" value="Non Chargeable (No Medicare claim)"/>
Referral Date	<input type="text" value="10/02/2013"/>
Referral Received Date	<input type="text" value="11/02/2013"/>

Captures the Provider, Setting Type and Source of Referral items to complete the data capture

- This conditional section captures the remainder of 'service event' items.
- It is simple to use and complies to the ABF prerequisite for clinical documentation.
- This solution currently accounts for approximately 15% of all eMR activity reported (expected to grow). from 0% in January 2013.

Method – PM and PowerChart

		Visit Information			Last Reviewed: Sept 2012
<ul style="list-style-type: none"> ✓ Outpatient Notes OPD Treatment & Follow-up Outpatient Progress Note Observations Growth Chart Measurements Problem List Allergies Medications ✓ Outpatient Statistics - Integrated 	MRN: 1141650 Interpreter required: No	TEST, Nap Abf Preferred language: Aboriginal Dialect, nfd	Sex: M Home Phone:	Age: 14 Years Mobile:	DOB: 03/08/1998
<p>Please ensure the 'Performed on' date at the top of the form is the date of the service.</p>					
Clinic Name		<input type="text"/>			
Reason for visit/diagnosis		<input type="text"/>			
Specialty		Adolescent Medicine Unit <input type="button" value="v"/>			
Consultation Type		<input checked="" type="radio"/> Face to face <input type="radio"/> Tele-medicine <input type="radio"/> Case Management/ Case Planning			
Medical History		Tahoma <input type="button" value="v"/> 9 <input type="button" value="v"/> <input type="button" value="🧠"/> <input type="button" value="✂️"/> <input type="button" value="📄"/> <input type="button" value="📅"/> B U I S <input type="button" value="≡"/> <input type="button" value="≡"/> <input type="button" value="≡"/>			
Examination or Assessment		Tahoma <input type="button" value="v"/> 9 <input type="button" value="v"/> <input type="button" value="🧠"/> <input type="button" value="✂️"/> <input type="button" value="📄"/> <input type="button" value="📅"/> B U I S <input type="button" value="≡"/> <input type="button" value="≡"/> <input type="button" value="≡"/>			
Click 'Yes' to enter Non-admitted ABF statistics.		<input checked="" type="radio"/> Yes <input type="radio"/> No		<p>Only select 'Yes' if this activity has not been recorded through a Scheduled clinic or other ABF data collection system. If you select 'Yes' you will be required to complete an additional section.</p>	

Outpatient Note:
Captures comprehensive clinical information documented by staff and ABF data

Method – System Delivery

System Delivery

- Executive sponsorship of initiative
- Strategic planning and staff engagement for implementation
- Intensive User training (eLearning, Classroom, Workplace)
- Change Management



Findings – Clinical Benefit

System design and build with focus on simplifying clinical system entry

- Extensive clinical review:

Nurses, Allied Health and Medical staff attended evaluation sessions to assess the design from a user perspective and provide feedback (some via Survey) including individual interviews with senior staff specialists

Survey of Outpatient ABF PowerChart Forms

Profession Social Work

Name (optional) A

Specialty Adolescent Med.

Clinical Documentation forms with Outpatient ABF fields

1. Please rate your SATISFACTION with each of the following

	1 Poor	2 Not Satisfactory	3 Satisfied	4 Extremely Satisfied	5 Excellent
How the screen looks	1	2	3	4	5
What the system does	1	2	3	4	5
Useability	1	2	3	4	5

Comments: _____

2. What enhancements would you like made to the Clinical Documentation Forms with Outpatient ABF fields via PowerChart?

referral dates automatically load up of the initial entry.

Computer Access

1. In outpatient clinical areas, is there adequate access to computers for use of PowerChart? Y/N

Comment: But mobile (iPad) use needed.

Other suggestions for improvement: _____

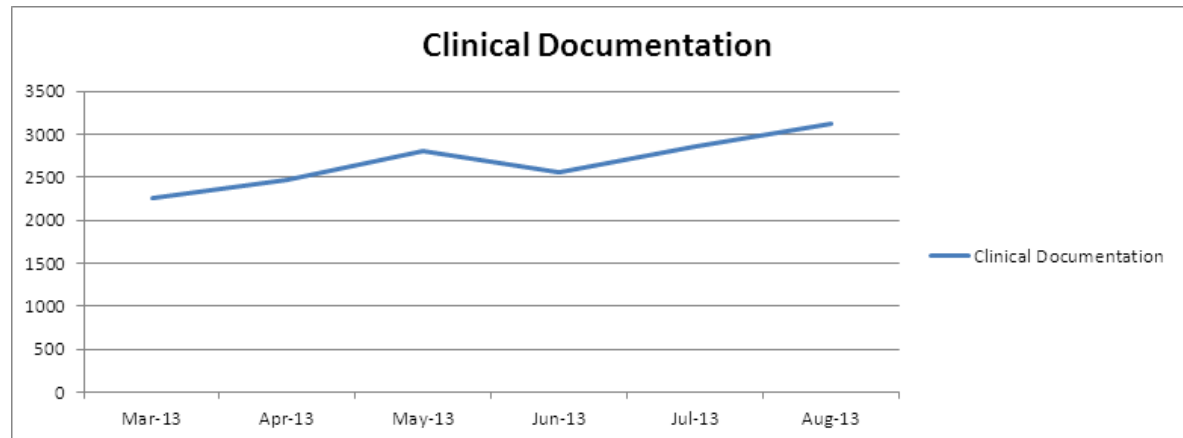
Thank you for your time in completing this questionnaire.

Findings – Reporting Benefit

System design and build enables extract of data as per specification. This allows easy access to patient level data for the Network to the NSW Ministry of Health.

Activity (example) reported:

	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13
Clinical Documentation	2254	2471	2813	2560	2858	3131
Scheduling	13692	15008	19083	15547	18201	18169
Total	15946	17479	21896	18107	21059	21301



Conclusion and Improved Outcomes

A clinically focused outpatient ABF data collection solution has achieved

- an efficient method to obtain the required information
- embraced by most end users
- sustainable for future development (re-use of components for additional forms).
- solution has been made available to HealthShare to incorporate into the Cerner state base build for use by other LHDs.
- next step is to review solutions to add value/capability

Seamless integration with existing clinical workflow means less interruption to patient care and improved data completeness and accuracy.



That ABF morsel looks so tasty! 😊



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