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Data dictionary

Paediatric Critical Health
Resource Information System
(CHRIS) Version 2.0

OFFICIAL



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Contents

Acknowledgements	2
Introduction	3
Definitions	3
Resources to support users of Paediatric CHRIS	3
Health service data – System-set	9
Patient data page – Business as usual (BAU)	9
Health service data – User data entry	10
Section 1: Bed Availability and Demand	11
Section 2: Intensive Care Unit (ICU)	13
Section 3: Staff	14

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- The health services participating in the Paediatric CHRIS pilot in Victorian health services.

Introduction

Adult Retrieval Victoria, Ambulance Victoria (ARV, AV) has significantly updated the Paediatric Critical Health Resource Information System (Paediatric CHRIS) on 15 December 2022 to enhance useability and visual display of data. Paediatric CHRIS was introduced across the State on 16 March 2022, providing an up-to-date bird's eye view of paediatric bed capacity in Victorian public health services to support clinical and patient flow decision making for children who need inpatient care. This dashboard is modelled on the existing ICU gateway (CHRIS).

Operational and clinical leaders in participating health services are able to input and review the state's health services paediatric inpatient bed capacity and occupancy in real time across Victoria and can now see participating health service data in graphical format. Reports can be generated for participating health services to inform strategic planning in the longer term.

Definitions

For the purposes of the Paediatric CHRIS the following definitions apply:

- Paediatric ward – In-patient ward/unit which accommodates multi-day stay and day stay patients
- Paediatric patients – patients admitted to a paediatric ward less than 18 years of age

Resources to support users of Paediatric CHRIS

- [Paediatric CHRIS, Safer Care Victoria webpage](https://www.bettersaferecare.vic.gov.au/news-and-media/introducing-the-statewide-paediatric-critical-health-resource-information-system)
<<https://www.bettersaferecare.vic.gov.au/news-and-media/introducing-the-statewide-paediatric-critical-health-resource-information-system>, including>:
 - Paediatric CHRIS Flyer, Adult Retrieval Victoria, Ambulance Victoria
 - Paediatric CHRIS Frequently asked questions (FAQ), Safer Care Victoria
- [Paediatric CHRIS portal](https://chris.health.vic.gov.au/portal/home)
<<https://chris.health.vic.gov.au/portal/home>>.

Figure 1: Dashboard – Paediatric CHRIS

Note: Data should be entered between **8.00am-midday** and **8.00pm-midnight** (though can be entered at any time).

CHRIS

Australia and New Zealand
Critical Health Resource Information System

Providing a bird's eye view of every ICU around the country using the latest information.

HomeDashboardsSummaryTime SeriesData Extract

MenuUser Guide

Paediatric

Paediatric

FilterEnter hospital name

JurisdictionVictoria

Commencement Date: 15/12/2022 04:14

Providing an up-to-date bird's eye view of paediatric bed capacity across Victoria

Metro

Close

Hospital	BAU numbers	Bed Availability and Demand							ICU	Staff	Updated
		Physical paediatric bed spaces	Open paediatric beds (staffed beds, occupied plus vacant)	Paediatric Patients (including day cases)	Available Beds	Confirmed COVID+ cases in your paediatric ward(s)	Patients awaiting admission to your paediatric ward(s)	Paediatric bed spaces currently re-purposed for adult patient care	Paediatric Patients in your hospital's ICU	Paediatric medical and nursing staff unavailable due to illness (including furlough) at the present time.	

Private												Close E
Hospital	BAU numbers	Bed Availability and Demand							ICU	Staff	Updated	
		Physical paediatric bed spaces	Open paediatric beds (staffed beds, occupied plus vacant)	Paediatric Patients (including day cases)	Available Beds	Confirmed COVID+ cases in your paediatric ward(s)	Patients awaiting admission to your paediatric ward(s)	Paediatric bed spaces currently re-purposed for adult patient care	Paediatric Patients in your hospital's ICU	Paediatric medical and nursing staff unavailable due to illness (including furlough) at the present time		

Regional												Close E
Hospital	BAU numbers	Bed Availability and Demand							ICU	Staff	Updated	
		Physical paediatric bed spaces	Open paediatric beds (staffed beds, occupied plus vacant)	Paediatric Patients (including day cases)	Available Beds	Confirmed COVID+ cases in your paediatric ward(s)	Patients awaiting admission to your paediatric ward(s)	Paediatric bed spaces currently re-purposed for adult patient care	Paediatric Patients in your hospital's ICU	Paediatric medical and nursing staff unavailable due to illness (including furlough) at the present time		

Tertiary												Close E
Hospital	BAU numbers	Bed Availability and Demand							ICU	Staff	Updated	
		Physical paediatric bed spaces	Open paediatric beds (staffed beds, occupied plus vacant)	Paediatric Patients (including day cases)	Available Beds	Confirmed COVID+ cases in your paediatric ward(s)	Patients awaiting admission to your paediatric ward(s)	Paediatric bed spaces currently re-purposed for adult patient care	Paediatric Patients in your hospital's ICU	Paediatric medical and nursing staff unavailable due to illness (including furlough) at the present time		

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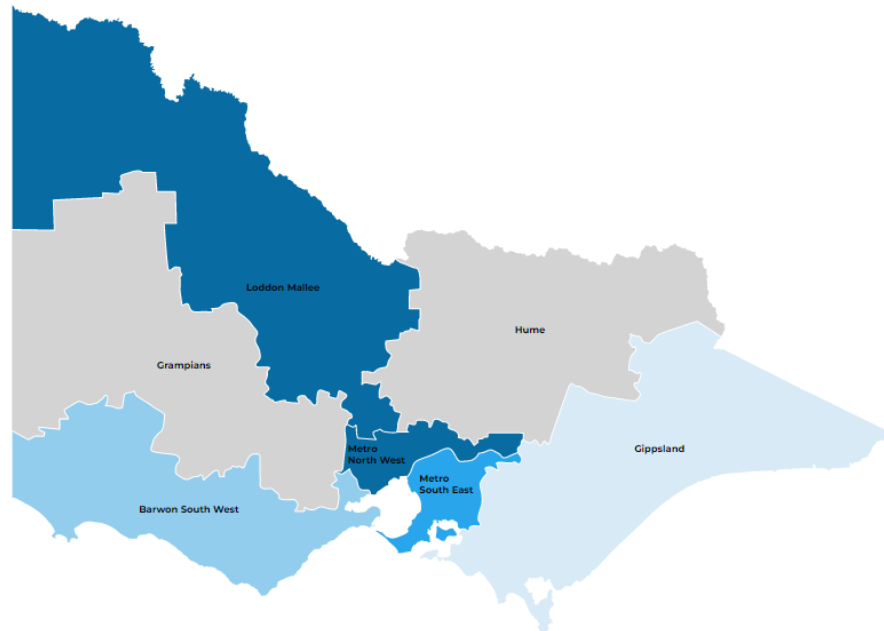
Figure 2: Summary – Paediatric CHRIS

Home	Dashboards	Summary	Time Series	Data Extract	Menu	User Guide
Paediatric						
Last updated 15/12/2022 18:23						
Summary						
View in dashboard						
Number of sites that have contributed in the last 48 hours to the displayed information						
2/2 Tertiary	7/10 Metro	5/11 Regional	2/2 Private			

Figure 2: Summary – Paediatric CHRIS (continued)

VICTORIAN PAEDIATRIC SUMMARY

OCCUPANCY(%) / TOTAL AVAILABILITY



COVID-19

Confirmed Covid+ cases in your paediatric ward(s)
12
Paediatric medical and nursing staff unavailable due to COVID exposure or illness at the present time
58

PATIENTS & BEDS

Total Staffed Beds		404	Total Paediatric Patients		364	Total Paediatric Patients in ICU		775
Availability		9	23	8	0			
Occupancy		96.7%	75.8%	76.5%	0			
Physical paediatric beds		305	125	36	0			
Open paediatric beds		275	95	34	0			
		Tertiary	Metro	Regional	Private			

OCCUPIED BEDS

Hover over the chart to see data

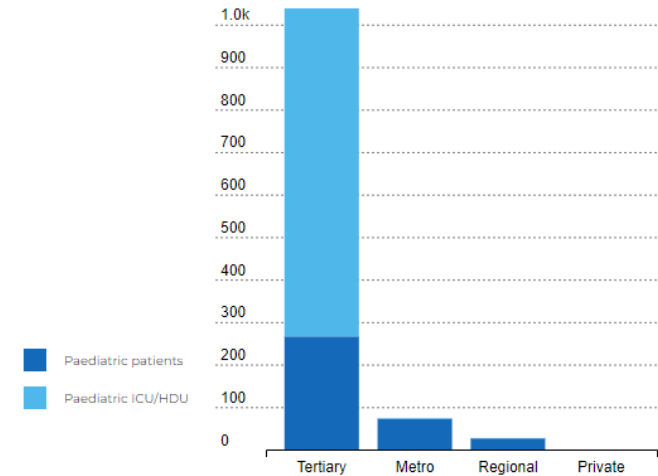


Figure 3: Time Series – Paediatric CHRIS

Graphs

Paediatric CHRIS data can be viewed in time series graphs for:

- Available beds
- Occupancy
- Open paediatric beds
- Paediatric patients
- Confirmed COVID + cases in your paediatric ward(s)
- Unavailable staff
- Paediatric beds currently repurposed for adult care
- Physical paediatric bed spaces
- Patients awaiting admission to your paediatric ward(s)
- Paediatric patients in your hospital's ICU.



Health service data – System-set

Patient data page – Business as usual (BAU)

Data entered by system administrator

This page describes your business as usual (BAU) paediatric bed status and is already entered by the system administrator.

System-Set Data (BAU) - Entered by System Administrator

Data Field	Description	Tool tip (Hover information)
Physical paediatric beds	<p>Include:</p> <ul style="list-style-type: none">physical bed capacity of your ward/s under BAU conditionsphysical paediatric bed: a place where, under BAU, a paediatric patient requiring in-patient care can be admitted to. <p>Do not include:</p> <ul style="list-style-type: none">Intensive Care Unit (ICU), Special Care Nursery (SCN), Mental health beds or Hospital in the Home (HITH).	<ul style="list-style-type: none">Physical beds during BAU– not including ICU, SCN or Mental Health) beds.
Staffed paediatric beds	<p>Include:</p> <ul style="list-style-type: none">staffed bed capacity for your ward/s under BAU conditions i.e. how many paediatric patients can your ward usually admit, assuming that:<ul style="list-style-type: none">– standard nurse-patients ratios occurs (does not include ad-hoc extra staffing e.g. for high-acute patients, psychiatric specials, coronavirus (COVID-19) isolation etc).– there are sufficient multi-disciplinary staff (nursing, medical and allied health staff) and equipment to care for paediatric patients. <p>Do not Include:</p> <ul style="list-style-type: none">ICU, SCN or Mental health beds.	<ul style="list-style-type: none">Physical beds during BAU– not including ICU, SCN or Mental health beds.

Health service data – User data entry

Key messages about how to access Paediatric CHRIS

- Access Paediatric CHRIS via the Paediatric CHRIS portal.
- Your ward/s can access the dashboard using a generic user ID/ log on that can be shared with multiple users or individual user ID and log on (for NUMs/Operational Directors).

If you do not have access or need to change who is allocated access on your ward/s, please contact support@chris.health.gov.au or the acutecarelhn@safercare.vic.gov.au for any generic queries.

Key messages about data entry

Each health service needs to develop local systems to enter the data e.g. by:

- Nurse Unit Managers (NUMs)/Associate Nurse Unit Manager (ANUMs)/Nurse in Charge
- Bed manager/Patient access coordinator.

Data should be entered between **8.00am-midday** and **8.00pm-midnight** (though can be entered at any time).

If you are unable to get the data for certain questions, please leave that data field blank.

Health service data – User data entry (ANUM/Nurse-in-charge/NUM or Bed Manager)

Section 1: Bed Availability and Demand

Data Field	Description	Tool tip (Hover information)
Physical paediatric bed spaces	<p>Include:</p> <ul style="list-style-type: none"> all physical paediatric bed spaces where under present conditions, a paediatric patient requiring treatment could be admitted to any paediatric surge areas presently available for use spaces that may not have the full capability of BAU paediatric spaces but could be used if required for paediatric patients disregard staffing when making this assessment. <p>Number may be:</p> <ul style="list-style-type: none"> higher than normal (than BAU) if surge areas have been commissioned lower than normal (than BAU) if e.g. paediatric beds have been re-purposed for adult care. <p>Do not include:</p> <ul style="list-style-type: none"> physical spaces in potential paediatric surge areas which are not presently in use ICU beds, SCN, Mental health areas or HITH. 	<ul style="list-style-type: none"> Number of bed spaces that are equipped for care of a paediatric patient.
Open paediatric beds (staffed beds, occupied plus vacant)	<p>Include:</p> <ul style="list-style-type: none"> number of paediatric in-patient beds that are currently staffed and immediately available for paediatric patients in your ward/s. those currently in use and surge capacity for paediatric patients, at the time of reporting. <p>Do not include:</p> <ul style="list-style-type: none"> ICU beds, SCN, Mental health areas or HITH. 	<ul style="list-style-type: none"> Actual number of beds available for paediatric patient care.

Paediatric Patients (including day cases)	<p>Include:</p> <ul style="list-style-type: none"> number of paediatric (less than 18 years of age) medical or surgical in-patients admitted to either your ward/s or to a surge area/s at the time of reporting day and multi-day stay paediatric patients in-patients in your paediatric ward patients more than or equal to 18 years of age admitted to your ward/s under paediatric team/s bed card/s. <p>Do not include:</p> <ul style="list-style-type: none"> paediatric patients in your hospital's ICU (see separate field below), SCN, Mental health areas or HITH <p>day cases admitted to your dedicated day ward/units e.g. Day surgery/procedure units.</p>	<ul style="list-style-type: none"> Paediatric in-patients.
Available Beds	<ul style="list-style-type: none"> Number of paediatric beds that are available for in-patient admissions, considering number of: <ul style="list-style-type: none"> currently occupied paediatric in-patient beds patients awaiting admission. 	Open paediatric beds minus paediatric patients minus patients awaiting admission.
Confirmed COVID + cases in your paediatric ward(s)	<p>Include:</p> <ul style="list-style-type: none"> number of paediatric in-patients admitted with a positive coronavirus (COVID-19) result from: <ul style="list-style-type: none"> any form of pathology testing process at the time of reporting all paediatric COVID-19 in-patients, irrespective of whether coronavirus (COVID) diagnosis is the reason for admission or an incidental discovery. <p>Do not include:</p> <ul style="list-style-type: none"> paediatric patients awaiting results of initial coronavirus (COVID-19) testing paediatric patients who have had positive tests but have now cleared the virus and who are no longer being isolated as active coronavirus (COVID-19) positive patients paediatric patients in your hospital's ICU, SCN, Mental health areas or HITH. 	<ul style="list-style-type: none"> Only confirmed cases that are currently considered 'active'.

Paediatric patients awaiting admission to your paediatric ward(s)	<p>Include:</p> <ul style="list-style-type: none"> number of paediatric patients accepted for admission at the time of reporting and are waiting admission who have: <ul style="list-style-type: none"> not yet arrived in paediatric ward/s or surge area/s been accepted as requiring admission for medical or surgical care but for whom no bed is available locally. paediatric patients who have been accepted for admission and are currently being transferred from outside of your hospital. <p>Do not include:</p> <ul style="list-style-type: none"> paediatric patients that have not yet been accepted for admission. 	<ul style="list-style-type: none"> E.g. from Emergency Department, ICU, not yet physically in a paediatric ward bed.
Paediatric beds currently re-purposed for adult patient care	<p>Include:</p> <ul style="list-style-type: none"> number of BAU paediatric beds currently re-purposed for adult patient care. <p>Do not include:</p> <ul style="list-style-type: none"> patients more than or equal to 18 years of age admitted to your ward/s under paediatric team/s bed card/s, as these patients should be included in your paediatric patient numbers. 	<ul style="list-style-type: none"> BAU paediatric beds currently re-purposed for adult patient care.

Section 2: Intensive Care Unit (ICU)

Data field	Description	Tool tip (Hover information)
Paediatric Patient's in your hospital's ICU	<p>Include:</p> <ul style="list-style-type: none"> number of paediatric patients (less than 18 years of age) admitted into your hospital's ICU medical and surgical admissions of paediatric patients who would be transferred to your paediatric ward when improved. <p>Do not Include:</p> <ul style="list-style-type: none"> Paediatric high dependency or high-acuity patients on paediatric ward/s. 	<ul style="list-style-type: none"> Paediatric patients admitted to your hospital's ICU.

Section 3: Staff

Data field	Description	Tool tip (Hover information)
Paediatric medical and nursing staff unavailable due to illness (including furlough) at the present time	<p>Include:</p> <ul style="list-style-type: none">number of paediatric medical and nursing staff known to be unable to work because of illness or furlough due to coronavirus exposure or confirmed infection with coronavirus (COVID-19) at the time of reporting. <p>Do not include:</p> <ul style="list-style-type: none">number of staff who are unavailable for personal reasons e.g. due to family commitmentsnumber of staff who have been re-deployed elsewhere due to high risk profiles.	<ul style="list-style-type: none">Any staff currently isolating and unable to work (COVID or COVID contact)

