# Patient Flow Portal Electronic Patient Journey Board (EPJB)

# Intensive Care Bed Status Guide

V1.1 May 2018





#### **Contacts and Resources**

#### Contact the NSW Ministry of Health Patient Flow Team for

- · Education and advice around the Patient Flow Systems Framework
- · Support and training on the Patient Flow Portal and Electronic Patient Journey Board

Website: <a href="http://www.health.nsw.gov.au/pfs/Pages/default.aspx">http://www.health.nsw.gov.au/pfs/Pages/default.aspx</a>

Email: patientflow@doh.health.nsw.gov.au

Telephone 02 93919368

Care Coordination: From Admission to Transfer of Care in NSW Public Hospitals Reference Manual <a href="http://www.health.nsw.gov.au/pfs/Publications/care-coordination-ref.pdf">http://www.health.nsw.gov.au/pfs/Publications/care-coordination-ref.pdf</a>

For Application issues:

State Wide Service Desk telephone 1300 28 55 33

Online CA Service Desk Manager: https://swsd.hss.health.nsw.gov.au/CAisdsec/pdmweb5.exe

For Patient Transport Service enquiries telephone 1300 233 500

http://www.health.nsw.gov.au/pts/Pages/default.aspx

A short video on PTS booking in the PFP is available here:

http://www.health.nsw.gov.au/pfs/Pages/pfp.aspx

# **Revision History**

Version	Issue date	Description/Change	Author
V1.0	April 2018	New Release ICU bed status in EPJB	Damian Miners, Richard Yarlett, Danielle Kerrigan
V1.1	May 2018	Updated access, EDD and W4W steps	Danielle Kerrigan

#### Contents

1.	Inti	roduction1						
2.	Pat	tient Flow Portal Access2						
3.	Acc	cessing the EPJB Module4						
4.	PFP and EPJB User Preference Screen5							
5.	ICL	J EPJB Column Template6	;					
6.	Info	ormation to be entered into EPJB7	,					
6	6.1	Entering bed status information	8					
6	6.2	Estimated Date of Discharge (EDD)	9					
6	6.3	Mechanical ventilation status	10					
6	6.4	Nursing Dependency status	10					
6	6.5	Fit for Discharge	11					
6	6.6	Waiting for What (W4W)	12					
6	6.7	Inter Ward Transfer (IWT) and Inter Hospital Transfer (IHT)	14					
6	8.6	Good to Go" (G2G)	17					
7.	She	ort Term Escalation Plan (STEP)18	1					
8.	IC	U bed status report19	)					
9.	Apı	pendix 1: EPJB data column descriptions20	)					

#### 1. Introduction

The ability to locate adult ICU beds across NSW is vital, especially in times of high demand such as a pandemic or disaster. This information was provided by the Critical Care Resource System (CCRS), however it can be unreliable and the ability to view beds is problematic. The CCRS is also an old system and needs to be upgraded or replaced.

The Agency for Clinical Innovation (ACI) has been working with eHealth and the Ministry of Health to build ICU fields into the Electronic Patient Journey Board (EPJB), a module of the Patient Flow Portal (PFP). This will replace the CCRS and provide information on the status of adult ICU beds across NSW, in the one system.

This is occurring in a phased approach; Phase 1: priority fields in the existing PFP by June 2018 and Phase 2: additional fields in the PFP upgrade over the next 2 years.

The Phase 1 priority fields include:

- State view of ICU bed status and consultant on call details at unit level via a snapshot report
- Patient mechanically ventilated (yes or no)
- Nursing dependency to patient ratio e.g. 1:1, 1:2
- Patients medically fit for discharge (Note this is transfer from ICU)

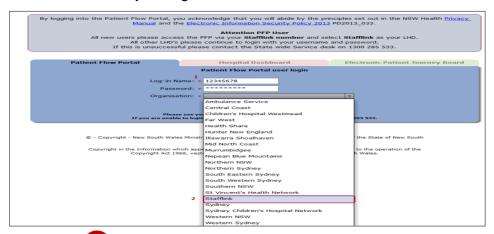
The Patient Flow Portal (PFP) provides an overview of occupancy by ward for a Local Health District or hospital, facilitates the inter hospital transfer process and provides access to a suite of reports.

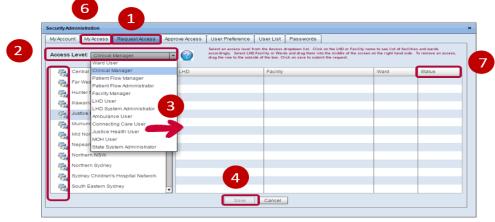
This user guide shows how to use the ICU bed status fields in the EPJB for improving ICU patient flow and reporting bed availability.

#### 2. Patient Flow Portal Access

All users must have PFP access to use the EPJB. By logging onto the PFP or the EPJB the user is acknowledging that they are abiding by the principles as set out in the NSW Health Privacy Manual and the Electronic Information Security Policy 2013 PD2013\_033.

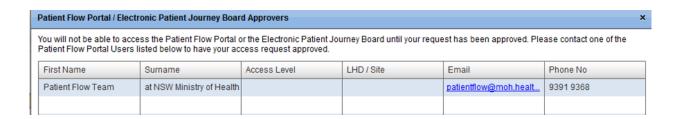
- 1. Use the Click PFP login link: http://pfp.healthtech.nswhealth.net/pfp/
- 2. Log in using your StaffLink details
- 3. Enter your details in the blue "Patient Flow Portal user login" section
- 4. Select StaffLink for your organisation





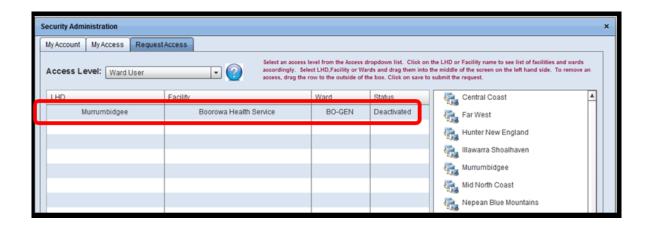
The first time a user logs onto the PFP the Security Administration window will open:

- 1. Select the Request Access tab then;
- 2. Select the Access Level you require from the drop down menu.
  - Ward User Medical Staff, Allied Health, Registered Nurses (RN's) and ward clerks/Clinical Support Officers (CSOs).
  - Clinical Manager Nurse Unit Managers (NUMS), Clinical Nurse Consultants (CNC's), Clinical
     Nurse Educators (CNEs) and In-Charge RN's.
- **3.** Select the LHD, facility and ward from the Facility List. *Drag and drop* across to the Access Table on the right.
- 4. Click "Save" to show a list of approvers
- **5.** Click on the approvers email address to email requesting approval (see image over page)
- Click on 'My Access' to review the progress of your request.

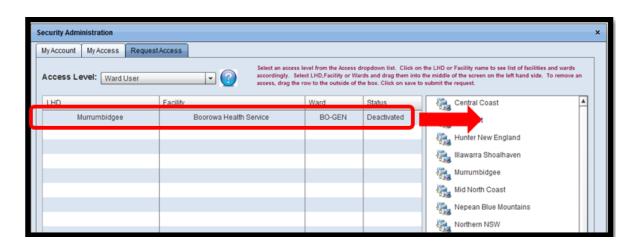


# **Deactivated User: How to re-request Access**

1. After 3 months of inactivity your access will be deactivated. You will see the window below when you log in



2. Click on the *deactivated* access status and drag it into Facility List.

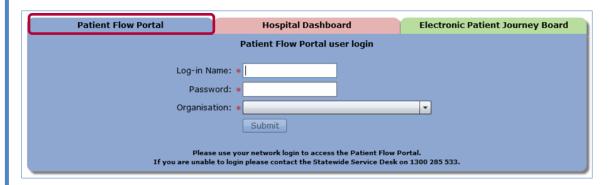


**3.** You will then need to re request the access level again as shown above.

# 3. Accessing the EPJB Module

#### **Using Unique PFP Access**

1. To access the EPJB via the PFP click on the blue 'Patient Flow Portal' tab and log in using StaffLink details.



2. Click on the EPJB icon to view the EPJB module

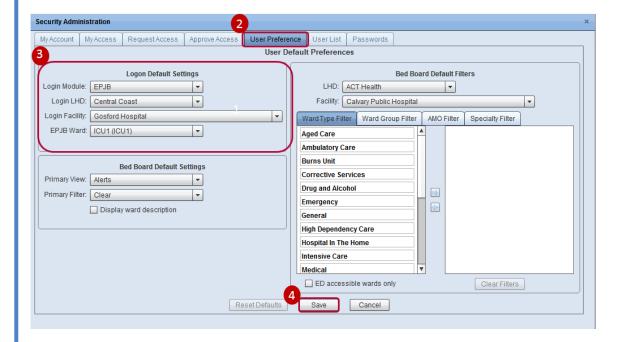


#### 4. PFP and EPJB User Preference Screen

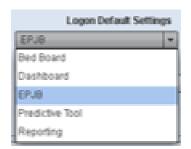
All Patient Flow Portal (PFP) users, except Ambulance, can set up their own user preferences which open when they logon to PFP or switch between facilities.

 Click on the StaffLink number / user login name on the top right of the screen to open the Security Administration window





- 2. Click on the 'User Preference' tab to open the window
- Select which PFP module you would like as your default, i.e. EPJB followed by the LHD, Facility and Ward



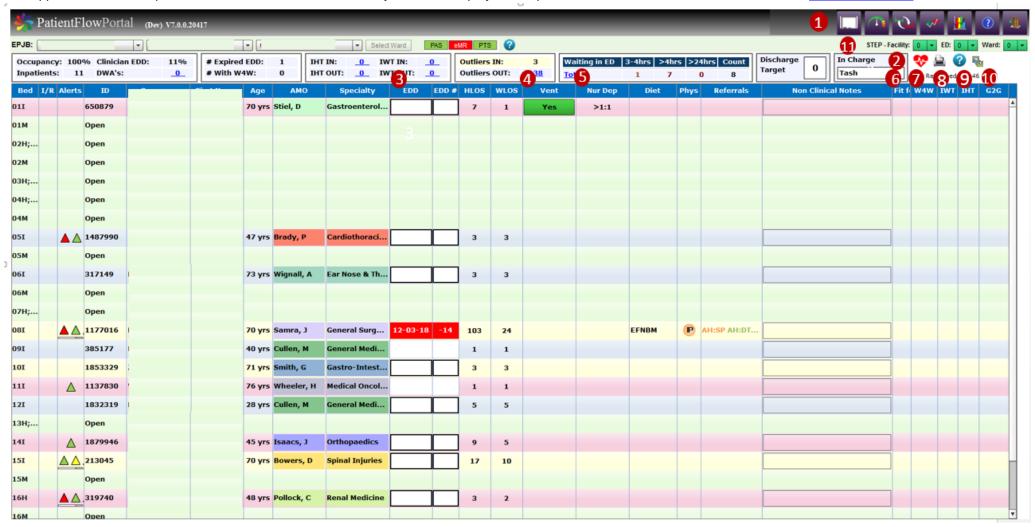
4. Click 'Save' when completed

# 5. ICU EPJB Column Template

To access the EPJB click on the first tab on the top right of the screen

There are multiple data columns available for your EPJB display. Below is a suggested template, which your Patient Flow Administrator will need to set up for you. Numbers correlate to the key areas that need to be completed.

See appendix 1 for description of the data columns available for your EPJB display, their options and data sources. For a full list see the EPJB User Guide.



**Key**: Electronic Patient Journey Board (EPJB)<sup>1</sup>, ICU Bed Availability<sup>2</sup>, Estimated Date of Discharge (EDD)<sup>3</sup>, Mechanical Ventilation (Vent)<sup>4</sup>, Nursing Patient Dependency (Nur Dep)<sup>5</sup>, Medically Fit for Discharge (Fit for DC)<sup>6</sup>, Waiting for What (W4W)<sup>7</sup>, Inter Ward Transfer (IWT)<sup>8</sup>, Inter Hospital Transfer (IHT)<sup>9</sup>, Good to Go (G2G)<sup>10</sup>, Short Term Escalation Plan-Ward (Step)<sup>11</sup>

#### 6. Information to be entered into EPJB

Information within the EPJB must be updated as changes occur and checked every four hours as a minimum to ensure it is current and correct.

#### This information includes:

# ICU bed availability window 🐶 - To be updated 4th hourly at a minimum

- Staff to populate the current staffed and available bed base for each Nurse Dependency to Patient ratio
- Current ICU Consultant on call name and contact number

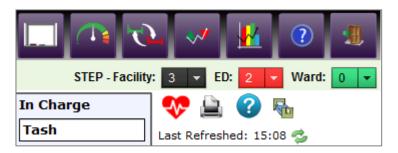
#### EPJB Columns - To be updated as changes occur

- Estimated Date of Discharge (EDD)
- Mechanical ventilation status (Vent)
- Nursing dependency (nurse to patient ratio)
- Medically fit for discharge (Fit for DC)
- Waiting for What (W4W)
- Inter Ward or Inter Hospital Transfer (IWT/IHT)
- Good to Go (G2G)

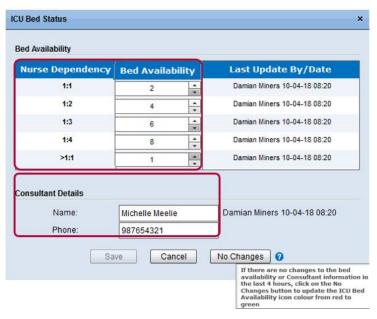
The Short Term Escalation Plan (STEP) also needs to be updated as changes occur

# 6.1 Entering bed status information

1. Click on the ICU bed Availability icon ♥ in the top right of the EPJB to open the bed availability window. If the information in the pop up has been updated in the last 4/24 the EPJB icon will indicate green, ♥ or red ♥ if it has not been updated.



The following pop up screen will display:



- 2. Type or use the arrows to declare the number of beds available for each Nurse Dependency ratio.
- 3 Enter the Intensive Care Consultant's name and phone number

Staff to populate the current *staffed and maximum available* bed base for each Nurse Dependency to Patient ratio. For example:

- 1:1 One nurse to one patient
- 1:2 One nurse to two patients
- 1:3 One nurse to three patients
- 1:4 One nurse to four patients
- >1:1 more than one nurse to one patient i.e. patients that require more than 1 nurse

The ICU NUM or team leader is required to enter and update the information, which will then output on the state-wide report.

#### **6.2 Estimated Date of Discharge (EDD)**

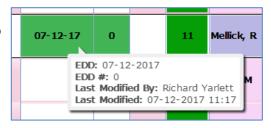
The Estimated Date of Discharge (EDD) in ICU predicts the likely date that a patient will be transferred from ICU. This may be to; an inpatient ward as an Inter Ward Transfer (IWT), Inter Hospital Transfer (IHT) or Discharge (Good to Go (G2G)) from ICU to home.

Changes to the EDD should be recorded and the history of changes kept. If a patient is clinically ready to be transferred but is delayed due to a delay to a service/diagnostic/etc., then their EDD should not be changed. This is so the delay to transfer can be captured. By identifying delays, transfer processes can be improved. The most common delays for patients should be tracked. This data can be then aggregated to understand the main constraints in the system.

1. Click on the **EDD** box to see the calendar, then click the EDD date and *update* 



2. To display EDD information hover over the EDD cell in the EPJB summary. This can also be viewed and changed in the Patient Details window.



EDD EDD # 07-12-17 -1

 Expired EDDs will display in a red cell. They must be either clinically redefined to match the patients plan of care, or have a <u>W4W</u> entry added

#### 6.3 Mechanical ventilation status

The ventilation status depicts whether or not a patient is mechanically ventilated

1. From the Patient list view, click on the patient, then the vent column and select Yes or No from the drop down menu



2. The ventilation status will then appear

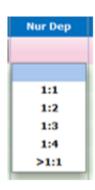


# 6.4 Nursing Dependency status

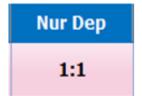
The nursing dependency status depicts the nurse to patient dependency ratio. This may be 1;1, 1;2,1;3, 1;4 or <1;1.

Note >1:1 is more than 1 nurse for a patient

1. From the Patient list view, click on the patient, then the Nursing dependency (Nur Dep) column and select the nurse to patient ratio from the drop down menu



2. The Nurse dependency will be shown



# 6.5 Fit for Discharge

Fit for discharge is used to record patients that are medically cleared for discharge/transfer from ICU

 From the Patient list view, click on the patient, then right click on fit for discharge (Fit for DC) and select Yes or No from the drop down menu





2. Fit for discharge will be shown

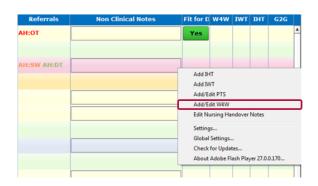
# 6.9 Waiting for What (W4W)

Waiting for What (W4W) is used to record delays to care or discharge so that they can be fixed and aggregated to improve patient care.

All expired EDDs should have a W4W. Do not change an EDD if the patient is clinically ready to be discharged or transferred.

W4W can be created by:

 Clicking on the patient's name in the W4W column and select Add/Edit W4W



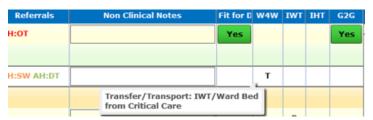
2. To add or edit a W4W click on the green plus icon



**3.** Select the W4W reason from the pop up window.



4. The W4W reason will be shown.



#### W4W can be edited or deleted by:

 Clicking on the icon and notes can be made





2. A W4W reason can also be closed by clicking in the "Close Date" calendar icon and selecting a date on the calendar. The details will still be displayed.



3. An open W4W reason can be deleted from the W4W summary window by clicking on the delete icon



**4.** The W4W initial will display in the W4W cell if added to the EPJB summary.

An Expired EDD with W4W will display on a grey background



### 6.6 Inter Ward Transfer (IWT) and Inter Hospital Transfer (IHT)

An Inter Ward Transfer (IWT) or an Inter Hospital Transfer (IHT) can be requested, updated or cancelled by the EPJB summary or the patient details tab:

To request an IWT in the EPJB summary:

 Right-click a patient's name in EPJB Patient Summary



Complete the fields shown and click on SaveNote: Fields marked with an "\*" are mandatory



To request an IWT in the patient details tab:

- 1. Right click on the patient to open the patient details tab
- 2. Click the green plus icon for IWT or IHT



The status of an IWT will be displayed in the IWT section of the Patient Details Window

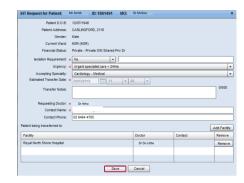


To cancel or edit an IWT, click on the edit icon next to the open transfer in the IWT section of the

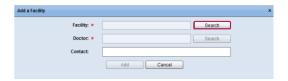




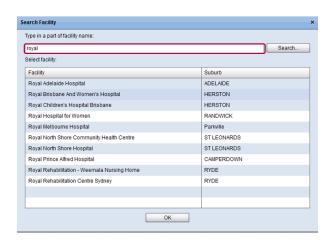
# To request an IHT



1. Click on search



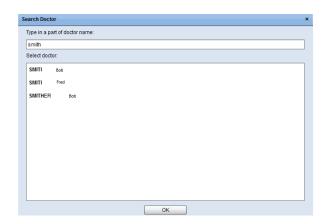
2. Enter part of the facility name, click search and click on the facility from the list



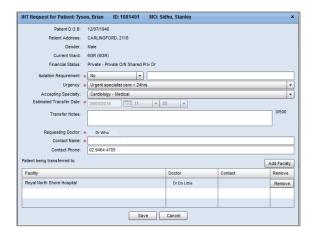
**3.** To enter the Doctors name, click search and type part of the doctor's name.



**4.** Click on the doctor in the list, click ok, add, then save



#### 5. Click save



# 6.8 Good to Go" (G2G)

Good to Go (G2G) can be used to highlight todays confirmed discharges so that the whole team are aware, and the Patient Flow manager can see discharges at facility level

G2G should be entered when a patient is for discharge home or transfer to another facility

G2G can be completed by clicking the G2G cell in the EPJB summary, or the G2G section in the <u>Patient Details window</u> Patient Info tab

From the Patient list view

1. click on the G2G column and select from the drop down menu



2. The entry will be seen in the following colours



**3.** Hovering over a "?" or "Yes" entry will show the who last updated and when.



# 7. Short Term Escalation Plan (STEP)

EPJB users can view the STEP level for their Facility, Ward and ED in the top right of their EPJB screen

Clinical Managers can change the STEP level on the EPJB by clicking on the drop down arrows when they are logged in.



Hovering over the STEP colour will show the level, description and update details.



STEP Levels relate to your local facility business rules. NSW Health resources can be found here: <a href="http://www.health.nsw.gov.au/wohp/Pages/demand-management.aspx">http://www.health.nsw.gov.au/wohp/Pages/demand-management.aspx</a>

STEP Number and Colour	Level	Description		
0	Business as Usual	Adequate Capacity to sustain core business; patient flow systems functioning and maintaining performance.		
1	Moderate Compromise  Moderate Compromise  Moderate compromise to core business activities as identified by Demand or Capacity mismatch triggers; Thresholds Breached.			
2	Severe Compromise	Severe Compromise to core business activities as identified by Demand or Capacity mismatch triggers; Disruption intensified.		
3	Extreme Compromise	Extreme compromise to core business activities; All contingencies fully operational.		

## 8. ICU bed status report

The PFP Report Module provides a summary report of ICU bed status which can be downloaded in PDF. This will display the information in real time as it is in the EPJB at the time

 Access the reporting module by clicking on the reporting icon in the top right hand side of the screen



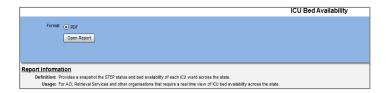
2. Select executive reports from the drop down menu



3. Select ICU Bed Availability



4. Click on "open report"



- **5.** The report will give a snapshot of:
  - Facility and Ward Short Term Escalation Plan (STEP) level colour
  - Bed availability by Nursing Dependency (Nur Dep)
  - Patient awaiting Inter Ward Transfer (IWT) or Inter hospital Transfer (IHT)
  - Consultant contact details



All details will show in a red cell if the bed availability has not been updated for over 4 hours

# 9. Appendix 1: EPJB data column descriptions

Below is a description of the multiple data columns available for your EPJB display, their options and data sources. For a full list see the EPJB User Guide.

Long Name	Short Name	Description	Options	Manual Update Allowed	Hover Over Text	Data Source
Admission Date	Adm Date	Date the patient was admitted as dd/mm/yyyy.	N/A	No	No	PAS
Admission Reason	Adm Reason	Displays the patient's admission reason.	N/A	No	Yes	PAS
Admission Reason Icon	A/R 📞	Icon to indicate the patient has an admission reason.	N/A	No	Yes	PAS
Age	Age	< 31 days old displayed in days. < 2 years old displayed in months as 'mths'. > 2 years old displayed in years as 'yrs'.	N/A	No	No	PAS
Alerts	Alerts	Icon to indicate the alert type for the patient:  Allergies  Special Alerts  Security Alerts  Infection Alerts  Clinical Alerts  Administrative Alerts	N/A	No	Yes –displays the type and actual alert name.	PAS
АМО	AMO	Surname and first initial of the patient's AMO.	N/A	No	Yes – displays Surname and First Name	PAS
Bed	Bed	Bed number the patient is occupying.  MANDATORY COLUMN  If bed tagged Well Baby, Boarder or Lodger bed then # will display left of Bed number. Green cell = single room.	N/A	No	Yes	PAS
Carers Staying with Patient	Carer	Displays if a Carer is staying with the patient.	Blank (default) Yes (Optional free text field enabled)	Yes	Yes	ЕРЈВ

Long Name	Short Name	Description	Options	Manual Update Allowed	Hover Over Text	Data Source
Diet	Diet	Displays the patient's diet requirements.	Display for Assistance Required and Full Supervision.	Yes if data source = EPJB No if data source = PAS	Yes	EPJB or PAS
Estimated Date of Discharge	EDD	Displays the patient's EDD as dd/mm/yy.  MANDATORY COLUMN	Select calendar date	Yes for most LHDs	Yes	EPJB or PAS
Estimated Date of Discharge #	EDD#	The number of days to the patient's EDD.	Select number of days	Yes for most LHDs	Yes	EPJB or PAS
First Name	First Name	If there are patients with same or similar sounding names the field will highlight with red border	N/A	No	Yes	PAS
Gender	M/F	Patient's gender as an icon.	M = male F = female I = Indeterminate U = Unknown	No	No	PAS
Good to Go	G2G	Displays if patient is a confirmed discharge today	Blank (default) Yes (Green background) 10AM (Green background) ? (Orange background) No (Red background)	Yes	Yes	ЕРЈВ
Hospital LOS	HLOS	Displays the patient's length of stay in the hospital in days.	N/A	No	No	PFP calculated
IHT Status	ІНТ	Status of the patient's inter-hospital transfer.  The colour of the status indicates if the IHT has exceeded the transfer time for the given urgency.	E = Estimated R = Requested C = Confirmed IP = In Progress	No	Yes	PFP
Isolation Requirement	I/R	Displays <u>Isolation requirement</u> . Free text can also be entered. Cross-talks with bed board and Transfer requests	Blank (default) Adolescent Behavioural Clinical Care Infection Other Palliative	Yes	Yes	ЕРЈВ

Long Name	Short Name	Description	Optio	ons	Manual Update Allowed	Hover Over Text	Data Source
			Security				
			No				
IWT Status	IWT	Status of the patient's inter-ward transfer.  The colour of the status indicates if the IHT has exceeded the transfer time for the given urgency.	R = Requested.		No	Yes	PFP
Mechanical Ventilation Status	Vent	Whether the patient is being mechanically ventilated	Yes No				
Name of Nurse	Nurse	Name of the nurse taking care of the patient.	Free-text		Yes	Yes	EPJB
Non Clinical Notes	Non Clinical Notes	Displays free text notes.	Free-text		Yes	Yes	ЕРЈВ
Nursing Dependency	Nur Dep	The Nursing Dependency to patient ratio	1:1; one nurse to one patient 1:2 one nurse to two patients 1:3 one nurse to three patients 1:4 one nurse to four patients >1:1 more than one nurse to one patient (patients that require more than 1 nurse)		Yes	Yes	ЕРЈВ
Patient ID	ID	Patient's ID either MRN or UID depending on the LHD. Highlighted with orange if the patient is on leave in PAS. MANDATORY COLUMN	N/A		No	Yes	PAS
Patient Transport Service Booking Details	PTS	Status of the PTS transport	Status Unplanned Planned En route to pick up At Pick up En route to Drop off At Destination Re-allocated Finished Cancelled	Vehicle Colour  Pink  White  Orange  Light Blue  Blue  Yellow  White with Red X  Green  Display disappears	No	Yes	PTS
Physical Observation	Obs	Frequency at which a patient requires observation.	Blank (default) Constant		Yes	No	ЕРЈВ

Long Name	Short Name	Description	Options	Manual Update Allowed	Hover Over Text	Data Source
			15 min			
			30 min			
			Hourly			
			2 hourly			
			4 hourly			
			QID			
			TDS			
			BD			
			Daily			
			Blood			
			Neuro			
			Nocte			
			Periph			
			Post-op			
			Vasc			
			Monthly			
Pressure Area Risk	PA Risk	Displays if the patient is at risk of a pressure sore. Enter the Waterlow score numeric value (between 1 and 64)	Blank (default) <10 = No Risk >=10 = At Risk <15 = High Risk >= 15 = Very High Risk	Yes	Yes	ЕРЈВ
Referral to Interstate Services	Interstate	Displays interstate services requested.	Free-text	Yes	Yes	ЕРЈВ

Long Name	Short Name	Description	Options	Manual Update Allowed	Hover Over Text	Data Source
	Referrals	Referrals initiated for the patient. Referrals can be added or removed for all patients even if the Referrals column is not included on the EPJB Ward View.  Allied Health  Medical  Nursing  Other Referrals	Requested  Acknowledged  In Progress  Completed  Cancelled	Yes - if not populated by eMR	Yes	EPJB or eMR
Specialty	Specialty	Medical specialty the patient is admitted under as sourced from PAS.	N/A	No	Yes	PAS
Surname	Surname	Patient's surname.  If there are patients with same or similar sounding surnames the field will highlight with a red border  MANDATORY COLUMN	N/A	No	Yes	PAS
Time in Ward	Time (hrs)	Displays the patient's ward length of stay in hours. Column displays in a defined colour if specific business rules are met. See table 15 below.	N/A	No	Yes	PFP calculated
Waiting for What Reason	W4W	Display's the letter corresponding to the open waiting for what reasons assigned to a patient.	If patient has an open W4W reason displays as: C for Consult. D for Diagnostic/Treatment. DP for Discharge Process. OHR for Out of Hospital Referral. T for Transfer/Transport. M for multiple W4W reasons.	Yes	Yes	PFP
Ward LOS	WLOS	Patient's length of stay in this ward in days.	N/A	No	No	PFP calculated