

Component Spotlight

Readmission Trends component

About the component:

This component allows end users to access a list of patients who have the risk of re-presenting to the hospital.

This component enables the accuracy of the Risk of Hospitalisation (ROH) predictions to be investigated over time and highlights variation at a specialty- and doctor-level.

The component has an algorithm that uses a range of variables that determines the percentage likelihood of a patient being readmitted at 30 or 60 days after discharge.

For 30 days Risk of Hospitalisation is:

Low: < 15%

Medium: 15-30%

High: > 30%

For 60 days Risk of Hospitalisation is:

Low: < 25%

Medium: 25-40%

High: > 40%

The patient demographic information that is utilised as predictors within the RoH model is as follows:

- Age
- Length of stay
- Admission wardcode
- Days since previous inpatient admission
- Total time admitted in the previous 12 months
- Number of ED presentations in the previous 12 months
- Number of outpatient appointments in the previous 12 months

Who it's for: Administration, Clinical Nurse/Shift Coordinator, Clinical Specialists – Allied Health, Nursing, Medical, Bed Manager, Clinical and Non-Clinical Department Managers, Nurse Unit Managers – Inpatients, Business Managers

Where you'll find it:

SystemView > Explore > Beds > Risk of Hospitalisation > Readmission Trends

Data refresh rates:

The data within this component updates Occurs 7 days a week, 24 hours a day, every 5 minutes

Step 1.

Sign in to SystemView using your current hospital credentials and password



Step 2.



Navigate to Explore > Beds > Risk of Hospitalisation (RoH) > Readmission Trends

Step 3.



Apply filters at the top of the page to target your analysis.

Note: ROH defaults to 30 days in the filter bar. This can be changed to 60 days to adjust the charts accordingly.

Patient List Details – select the button located alongside the filters at the top of the component. Patient details includes an exportable table of current inpatients that updates every 5 minutes and once activated, can be saved and referenced in **Interact - MyLists**.

Step 4.

The metrics allow you to toggle either by Specialty or by Ward.



Whichever option you select will update the charts accordingly.

Summary Details of Discharges & Readmissions for 30 Day RoH by Speciality

Speciality	Total Discharges	Discharges per day	Total Readmissions	Readmissions per day	Readmissions % of Total Discharges (%)	Total High Risk Discharges	Total High Risk Readmissions	Readmission % of High Risk Discharges (%)	Total Medium Risk Discharges	Total Medium Risk Readmissions	Readmission % of Medium Risk Discharges (%)	Total Low Risk Discharges	Total Low Risk Readmissions
Total	16722	170.6	1166	12.0	7.1	338	117	34.6	1618	296	17.2	12940	703
General Medicine	4574	44.9	425	4.7	10.4	196	41	17.7	135	130	20.4	3027	245
General Surgery	1985	20.7	117	1.3	6.2	9	6	66.7	176	37	21.0	1645	62
Paed	1007	11.4	39	1.0	6.6	98	12	17.6	213	37	17.4	636	32
ICU	453	4.4	60	0.7	14.9	26	20	84.2	19	3	16.7	308	23
Cardiology	772	8.5	53	0.6	6.9	3	0	0.0	70	6	13.9	602	40
Adult MH	985	6.4	51	0.6	6.0	15	6	53.3	39	13	33.3	456	27
Oncology	397	3.3	49	0.5	15.2	9	3	33.3	81	11	13.6	189	30
Paediatrics	1172	12.9	44	0.5	3.8	17	4	10.8	30	3	10.0	1076	37
Respiratory	465	5.1	41	0.5	9.5	16	2	12.5	109	13	12.7	386	27
Gastroenterology	1343	14.8	43	0.5	3.2	15	2	13.3	102	9	8.8	1071	26
HDN	117	3.7	29	0.3	6.0	2	0	0.0	36	3	13.9	148	13
Urology	529	5.8	27	0.3	5.1	2	0	0.0	95	7	12.7	441	30
Orthopaedics	1499	16.5	29	0.3	1.7	2	0	0.0	41	1	2.4	1378	14
Spine	530	5.8	19	0.2	3.6	2	0	0.0	7	1	14.3	489	17
Neurosurgery	305	3.4	19	0.2	6.0	6	6	100.0	6	1	16.7	289	17
Emergency	234	2.6	17	0.2	7.3	3	1	33.3	34	6	23.5	184	6
Clinic Rehabilitation	95	1.1	18	0.2	26.2	9	7	77.8	2	1	50.0	87	6
Neurology	429	4.7	19	0.2	4.5	3	0	0.0	30	3	10.7	383	9
Cardiac Surgery	164	1.8	14	0.2	8.9	9	9	100.0	15	1	6.7	145	13
Palliative	174	1.9	14	0.2	8.0	6	6	100.0	11	1	9.1	89	6

Summary Details of Discharges and Readmissions for 30 or 60 Day RoH by Speciality or Ward summarises (by specialty or by ward) discharges and the proportion of these patients that required a readmission analysed within the following risk groups:

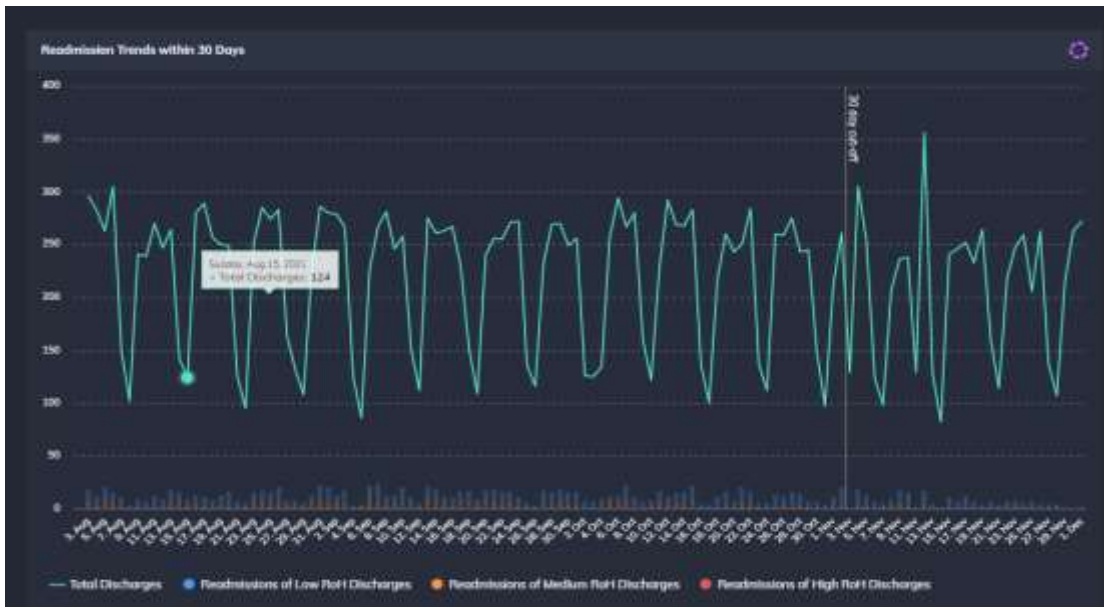
- High
- Medium
- Low

Summary Details of Discharges & Readmissions for 30 Day RoH by Doctor

Doctor	Total Discharges	Discharges per day	Total Readmissions	Readmissions per day	Readmissions % of Total Discharges (%)	Total High Risk Discharges	Total High Risk Readmissions	Readmission % of High Risk Discharges (%)	Total Medium Risk Discharges	Total Medium Risk Readmissions	Readmission % of Medium Risk Discharges (%)	Total Low Risk Discharges	Total Low Risk Readmissions
Total	4432	48.7	511	5.6	11.5	172	87	50.6	609	146	24.0	3339	257
272	3.0	98	0.6	21.3	32	28	87.5	11	4	36.4	215	24	
237	2.6	40	0.4	16.9	10	5	50.0	47	13	27.7	167	21	
292	3.2	40	0.4	13.7	10	3	30.0	49	12	24.5	237	23	
278	3.1	40	0.4	14.4	6	2	33.3	43	11	25.6	202	27	
272	3.0	37	0.4	13.6	9	5	55.6	40	14	35.0	215	16	
344	2.7	31	0.3	12.7	6	4	66.7	29	12	41.4	189	14	
280	3.1	30	0.3	10.7	22	5	22.7	44	14	31.8	184	7	
404	4.4	29	0.3	7.2	17	1	5.9	74	9	12.2	272	17	
255	2.8	28	0.3	11.0	8	4	50.0	35	3	8.6	197	19	
261	2.9	20	0.2	7.7	6	2	33.3	33	5	15.2	202	12	
193	2.1	19	0.2	8.8	5	1	20.0	36	12	33.3	130	6	
229	2.5	18	0.2	7.9	4	0	0.0	40	7	17.5	175	10	
157	1.7	17	0.2	10.8	8	6	75.0	17	3	17.6	122	8	
100	1.1	17	0.2	17.0	6	6	100.0	7	3	42.9	77	7	
125	1.4	17	0.2	13.6	3	1	33.3	25	6	24.0	85	9	
234	2.6	16	0.2	6.8	2	1	50.0	22	6	27.3	195	9	
197	2.2	15	0.2	7.6	1	1	100.0	16	1	6.2	179	13	
92	1.0	13	0.1	14.1	13	11	84.6	2	0	0.0	76	2	
180	1.8	13	0.1	8.1	4	1	25.0	24	3	12.5	103	8	
149	1.6	13	0.1	8.7	0	0	0.0	14	8	57.1	129	5	

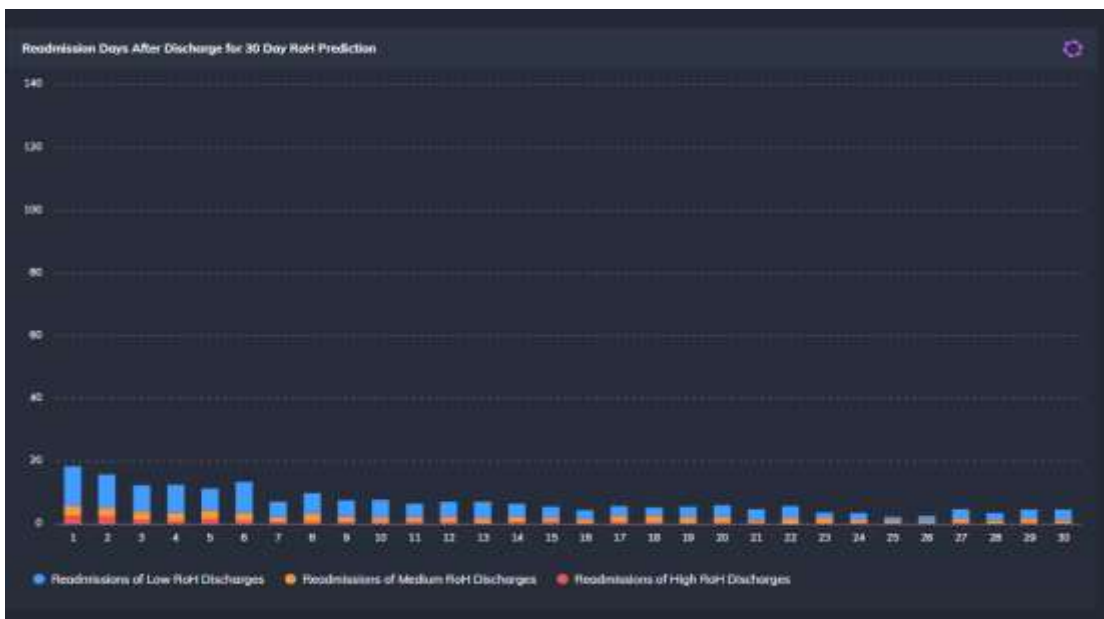
Summary Details of Discharges and Readmissions for 30 or 60 Day RoH by Doctor summarises by individual doctor discharges and the proportion of these patients that required a readmission analysed within the following risk groups:

- High
- Medium
- Low



Readmission Trends within 30 or 60 days displays the trends of discharges and compares a stacked bar analysis of the following risk groups on the date of their readmission.

Selecting a bar in the chart will generate the patient list of discharged patients that were readmitted or not readmitted in 30 or 60 days.



Readmission Days after Discharge for 30 or 60 Day RoH Prediction displays the risk group readmissions based on the number of days after they were discharged.

Selecting a bar in the chart will generate the patient list of discharged patients that were readmitted in 30 or 60 days at day 1/2/3 etc.