

# How to Find the Hospital Score in the Patient's Record

- Open Chart Review
- Select the Hospital Encounter
- Click “More Details” in Care Timeline

The screenshot shows the 'ED to Hosp-Admission' encounter, which is marked as 'Discharged'. The encounter details include the date range '2/15/2021 - 2/19/2021 (4 days)' and the location 'Sentara Virginia Beach General Hospital'. The attending physician is 'Bhaju, Sajuma, MD' and the principal problem is 'Hyponatremia'. A 'Hospital Problem List' is visible on the right, including 'Anemia of chronic disease', 'Anxiety', 'History of depression', 'History of anxiety', 'Hypercholesterolemia', 'Essential hypertension', 'Dyslipidemia', 'Anxiety and depression', 'Alcohol withdrawal (HCC)', and 'Hyponatremia'. The 'Care Timeline' at the bottom right, highlighted with a red box, shows the patient was 'Admitted from ED' on 02/15/2021 and 'Discharged' on 02/19/2021. A 'More Details' link is provided for the discharge event.

- Scroll Down in report to Risk Score

The screenshot shows the 'Low Risk' score, which is highlighted with a red box. The score is 'Total Score: 4'. The criteria used for the score are: '1 Hemoglobin', '1 Non-Elective Admission', and '2 Number of IP Admissions'. The 'Criteria that do not apply' list includes 'Sodium', 'Oncology Service', 'Procedure', and 'Length of Stay'. The 'Travel History' section above the score indicates 'No documented travel since 05/01/21'.

# Components of HOSPITAL Score

**Table 3. HOSPITAL Score for 30-Day Potentially Avoidable Readmissions<sup>a</sup>**

| Attribute   | Points |
|---|--------|
| Low hemoglobin level at discharge (<12 g/dL)                  | 1      |
| Discharge from an oncology service                            | 2      |
| Low sodium level at discharge (<135 mEq/L)                    | 1      |
| Procedure during hospital stay (any ICD-9-CM coded procedure) | 1      |
| Index admission type: nonelective                             | 1      |
| No. of hospital admissions during the previous year           |        |
| 0   | 0      |
| 1-5   | 2      |
| >5  | 5      |
| Length of stay ≥5 d   | 2      |

Abbreviation: ICD-9-CM, *International Classification of Diseases, Ninth Revision, Clinical Modification*.

SI conversion factors: To convert hemoglobin to grams per liter, multiply by 10; conversion of serum sodium to millimoles per liter is 1:1.

<sup>a</sup>Maximum score, 13 points.

**Table 4. Observed vs Predicted 30-Day Potentially Avoidable Readmissions**

| Points                    | Risk Category | No. (%)                   |                                    |                               |
|---------------------------|---------------|---------------------------|------------------------------------|-------------------------------|
|                           |               | Patients in Each Category | Observed Proportion of Readmission | Estimated Risk of Readmission |
| Derivation set (n = 6141) |               |                           |                                    |                               |
| 0-4                       | Low           | 3027 (49.3)               | 5.4                                | 5.2                           |
| 5-6                       | Intermediate  | 1617 (26.3)               | 9.0                                | 9.8                           |
| ≥7                        | High          | 1497 (24.4)               | 18.7                               | 18.3                          |
| Validation set (n = 3071) |               |                           |                                    |                               |
| 0-4                       | Low           | 1428 (46.5)               | 4.6                                | 5.2                           |
| 5-6                       | Intermediate  | 855 (27.8)                | 9.7                                | 9.8                           |
| ≥7                        | High          | 788 (26.7)                | 18.2                               | 18.0                          |

## HOSPITAL Score & Readmissions

