## Appendix

### Tetanus Severity Score (TSS)

The score is generated by summing the score for each variable.

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Variable Name | Value | Score |
| Age | **ADM**.AGE | ≤70 | 0 |
| 71-80 | 5 |
| >80 | 10 |
| Time 1st Symptom to admission | **ADM**.TIMETOADM | ≤2 | 0 |
| 3-5 | -5 |
| >5 | -6 |
| Difficulty breathing | **ADM**.DIFFBREATH | Y | 4 |
| N | 0 |
| ASA score (co-existing med) | **ADM**.ASA | 1 | 0 |
| 2 | 3 |
| 3 | 5 |
| 4 | 5 |
| 5 | 9 |
| Entry site | **ADM**.WOUND | 1 | 7 |
| 2 | 0 |
| Highest systolic BP | **ADM**.MAXSBP | ≤130 | 0 |
| 131-140 | 2 |
| >140 | 4 |
| Highest heart rate | **ADM**.MAXHR | ≤100 | 0 |
| 101-110 | 1 |
| 111-120 | 2 |
| >120 | 4 |
| Lowest heart rate | **ADM**.MINHR | ≤110 | 0 |
| >110 | -2 |
| Highest temperature | **ADM**.MAXTEMP | ≤38.5 | 0 |
| 38.6-39 | 4 |
| 39.1-40 | 6 |
| >40 | 8 |

### SOFA Score

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Variable Name | Value | Score |
| SpO2/FiO2 | **(ADM**.SPO2)/(**ADM**.FIO2) | >301 | 0 |
| 221-301 | 1 |
| 142-220 | 2 |
| 67-141 | 3 |
| <67 | 4 |
| Mean arterial Pressure | (**ADM.**WORSTDBP)+ ((**ADM**.WORSTSBP-**ADM.**WORSTDBP)/3) | ≥70 | 0 |
| <70 | 1 |
| **ADM**.VASO | Y | 4\* |
| Bilirubin | **ADM.**BILI | blank or <20 | 0 |
| 20-32 | 1 |
| 33-101 | 2 |
| 102-204 | 3 |
| >204 | 4 |
| Platelets | **ADM.**PLT | ≥150 | 0 |
| 100-149 | 1 |
| 50-99 | 2 |
| 20-49 | 3 |
| <20 | 4 |
| Creatinine | **ADM.**CREAT | <110 | 0 |
| 110-170 | 1 |
| 171-299 | 2 |
| 300-440 | 3 |
| >440 | 4 |
| GCS | **ADM.**GCS | 15 | 0 |
| 13-14 | 1 |

All blanks score 0

\* If VASO is Y then score 4 but don’t score anything for WORSDBP (ie not 0 or 1 also)

### APACHE II Score

All blanks score 0

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Variable Name | Score | Points |
| Temperature | **ADM**.MAXTEMP | ≥41 | 4 |
| 39-40.9 | 3 |
| 38.5-38.9 | 1 |
| 36-38.4 | 0 |
| Mean Arterial Pressure | (**ADM.**WORSTDBP)+ ((**ADM**.WORSTSBP-**ADM.**WORSTDBP)/3) | ≥160 | 4 |
| 130-159 | 3 |
| 110-129 | 2 |
| 70-109 | 0 |
| 50-69 | 2 |
| 40-49 | 3 |
| <40 | 4 |
| Heart rate | **ADM**.MAXHR  OR  **ADM**.MINHR  [Highest score] | ≥180 | 4 |
| 140-179 | 3 |
| 110-139 | 2 |
| 70-109 | 0 |
| 55-69 | 2 |
| 40-54 | 3 |
| <40 | 4 |
| Respiratory rate | **ADM**.RESP | ≥50 | 4 |
| 35-49 | 3 |
| 25-34 | 1 |
| 12-24 | 0 |
| 10-11 | 1 |
| 6-9 | 2 |
| <6 | 4 |
| PaO2 if FiO2< 50% | **ADM.**PAO2 |  |  |
|  |  |
|  |  |
| >70 | 0 |
| 61-70 | 1 |
| 55-60 | 2 |
| <55 | 4 |
| pH | **ADM**.PH | ≥7.7 | 4 |
| 7.6-7.69 | 3 |
| 7.5-7.59 | 1 |
| 7.33-7.49 | 0 |
| 7.25-7.32 | 2 |
| 7.15-7.24 | 3 |
| <7.15 | 4 |
| Sodium | **ADM**.NA | ≥180 | 4 |
| 160-179 | 3 |
| 155-159 | 2 |
| 150-154 | 1 |
| 130-149 | 0 |
| 120-129 | 2 |
| 111-119 | 3 |
| <111 | 4 |
| Potassium | **ADM**.K | ≥ 7 | 4 |
| 6-6.9 | 3 |
| 5.5-5.9 | 1 |
| 3.5-3.9 | 0 |
| 3-3.4 | 1 |
| 2.5-2.9 | 2 |
| <2.5 | 4 |
| Creatinine | **ADM**.CREAT  [Double score if **ADM**.RENALFAILURE = Y] | ≥210 | 4 |
| 178-209 | 3 |
| 133-177 | 2 |
| 54 - 132 | 0 |
| <54 | 2 |
| Haematocrit | **ADM**.HCT | ≥60 | 4 |
| 50-59.9 | 2 |
| 46-49.9 | 1 |
| 30-45.9 | 0 |
| 20-20.9 | 2 |
| <20 | 4 |
| White blood count | **ADM**.WBC | ≥ 40 | 4 |
| 20-39.9 | 2 |
| 15-19.9 | 1 |
| 3-14.9 | 0 |
| 1-2.9 | 2 |
| <1 | 4 |
| GCS | **ADM**.GCS |  | 15 – (**ADM**.GCS) |
| Age | **ENR.**AGE | **<45** | 0 |
| 45-54 | 2 |
| 55-64 | 3 |
| 65-74 | 5 |
| >74 | 6 |
| Surgery | **ADM**.ELECTIVESURGERY | Y | 5 |
| N | 0 |
| **ADM**.EMERGENCYSURGERY | Y | 5 |
| N | 0 |
| Immune suppression | **ADM**.IMMUNOCOMPROMISED  OR  **ADM**.SEVERERESP  OR  **ADM**.CARDIACFAILUREIV  OR  **ADM**.DIAWITHCHRONIC  OR  **ADM**.SEVERELIVER | Y | 5 |
| N | 0 |