**Supplemental table 2. Clinical laboratory findings among patients with dengue and severe dengue as identified at presentation, Sentinel Enhanced Dengue Surveillance System, Puerto Rico, 2012-2014**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Laboratory Findings** | **Total N=1089** | **Total %** | **Severe N=281** | **Severe %** | **Non-Severe****N= 808** | **Non-Severe %** | **p-value\*** |
| **Liver enzymes** |   |   |   |   |   |   |   |
| **Aspartate transaminase (AST)** |  |  |  |  |  |  |  |
| AST <50 U/L | 157 | 28.5 | 67 | 27.2 | 90 | 29.5 | 0.62 |
| AST 51 – 500 U/L | 368 | 66.8 | 160 | 65.0 | 208 | 68.2 | 0.49 |
| AST 501 – 1000 U/L | 25 | 4.5 | 18 | 7.3 | 7 | 2.3 | 0.009 |
| AST >1000 U/L | 1 | 0.2 | 1 | 0.4 | 0 | 0.0 | 0.91 |
| **Alanine transaminase (ALT)** |  |  |  |  |  |  |  |
| ALT <50 U/L | 212 | 38.4 | 78 | 31.6 | 134 | 43.9 | 0.004 |
| ALT 51 – 500 U/L | 317 | 57.4 | 153 | 61.9 | 164 | 53.8 | 0.07 |
| ALT 501 – 1000 U/L | 23 | 4.2 | 16 | 6.5 | 7 | 2.3 | 0.03 |
| ALT >1000 U/L | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | NA |
| **White Blood Cell Count (WBC)** |  |  |  |  |  |  |  |
| WBC <=4,000 cells/microL | 642 | 60.6 | 209 | 75.5 | 433 | 55.3 | <0.001 |
| WBC 4,001-10,000 cells/microL | 369 | 34.8 | 60 | 21.7 | 309 | 39.5 | <0.001 |
| WBC >10,000 cells/microL | 49 | 4.6 | 8 | 2.9 | 41 | 5.2 | 0.15 |
| **Platelets (PLT)** |  |  |  |  |  |  |  |
| PLT < 50,000/microL | 89 | 8.4 | 44 | 15.8 | 45 | 5.8 | <0.001 |
| PLT 50,000 - 100,000/microL | 286 | 27.0 | 122 | 43.9 | 164 | 21.0 | <0.001 |
| PLT >100,000/microL | 685 | 64.6 | 112 | 40.3 | 573 | 73.3 | <0.001 |
| **Thrombocytopenic (<100,000 platelets/microL)** | 375 | 35.4 | 166 | 59.7 | 209 | 26.7 | <0.001 |
| **Hematocrit % highest median (range)** | 40.2 | (26.3 - 55.5) | 40.5 | (28.8 - 55.5) | 40.1 | (26.3 - 53.2) | 0.6 |
| **Hemoconcentration** | 22 | 2.1 | 11 | 4.0 | 11 | 1.4 | 0.02 |
| **Low albumin g/dL %** | 270 | 58.4 | 176 | 73.9 | 94 | 42.0 | <0.001 |
| **Lowest albumin g/dL median (range)** | 3.3 | (2.0 - 5.0) | 3.2 | (2.0 - 4.7) | 3.5 | (2.0 - 5.0) | <0.001 |

\*Comparing severe to non-severe cases with Mann-Whitney-Wilcoxon test to compare medians and chi square test for difference in proportions.

Abbreviations: ALT, alanine transaminase; AST, aspartate transaminase; DENV, dengue virus; PLT, platelets; WBC, white blood cell; U/L, units per litre; microL, microlitre; dL, decilitre; g, grams.