**LEAD Panel Assessment Tables**

**Initial MedStar Medic DETECT Tool Abuse Determination vs LEAD Panel Assessment Final Determination**

| **LEAD Panel Assessment** | | | |
| --- | --- | --- | --- |
| **Detect Tool** | positive | negative | Total |
| positive | 6 | 19 | 25 |
| negative | 30 | 379 | 409 |
| Total | 36 | 398 | 434 |

|  |  |
| --- | --- |
| **Sensitivity** | 16.67 % |
| **Specificity** | 95.23 % |
| **Prevalence** | 8.29 % |

**Unique Medstar ID Summary**

| **Assessment** | **Unique ID Count** | **Unique ID Proportion of Total** |
| --- | --- | --- |
| Initial assessment | 798 | 1.00 |
| Secondary assessment | 135 | 0.17 |
| Post-detect assessment | 553 | 0.69 |

**Final LEAD Panel Assessment Abuse Determination**

| **physical\_abuse\_det** | | | |
| --- | --- | --- | --- |
| LEAD Assessment physical abuse determination based on majority vote. | | | |
| Variable | Category | N | Percent of N (95% CI) |
| physical\_abuse\_det | No | 789 | 99.1 (98.2 - 99.6) |
| physical\_abuse\_det | Yes | 7 | 0.9 (0.4 - 1.8) |

| **sexual\_abuse\_det** | | | |
| --- | --- | --- | --- |
| LEAD Assessment sexual abuse determination based on majority vote. | | | |
| Variable | Category | N | Percent of N (95% CI) |
| sexual\_abuse\_det | No | 796 | 99.9 (99.1 - 100.0) |
| sexual\_abuse\_det | Yes | 1 | 0.1 (0.0 - 0.9) |

| **emotional\_psycho\_abuse\_det** | | | |
| --- | --- | --- | --- |
| LEAD Assessment emotional/ psychological abuse determination based on majority vote. | | | |
| Variable | Category | N | Percent of N (95% CI) |
| emotional\_psycho\_abuse\_det | No | 752 | 94.4 (92.5 - 95.8) |
| emotional\_psycho\_abuse\_det | Yes | 45 | 5.6 (4.2 - 7.5) |

| **neglect\_det** | | | |
| --- | --- | --- | --- |
| LEAD Assessment neglect determination based on majority vote. | | | |
| Variable | Category | N | Percent of N (95% CI) |
| neglect\_det | No | 789 | 99.0 (98.0 - 99.5) |
| neglect\_det | Yes | 8 | 1.0 (0.5 - 2.0) |

| **self\_neglect\_det** | | | |
| --- | --- | --- | --- |
| LEAD Assessment self-neglect determination based on majority vote. | | | |
| Variable | Category | N | Percent of N (95% CI) |
| self\_neglect\_det | No | 782 | 98.2 (97.0 - 99.0) |
| self\_neglect\_det | Yes | 14 | 1.8 (1.0 - 3.0) |

| **financial\_exploitation\_det** | | | |
| --- | --- | --- | --- |
| LEAD Assessment financial exploitation determination based on majority vote. | | | |
| Variable | Category | N | Percent of N (95% CI) |
| financial\_exploitation\_det | No | 785 | 98.5 (97.4 - 99.1) |
| financial\_exploitation\_det | Yes | 12 | 1.5 (0.9 - 2.6) |

| **abandonment\_det** | | | |
| --- | --- | --- | --- |
| LEAD Assessment abandonment determination based on majority vote. | | | |
| Variable | Category | N | Percent of N (95% CI) |
| abandonment\_det | No | 796 | 99.9 (99.1 - 100.0) |
| abandonment\_det | Yes | 1 | 0.1 (0.0 - 0.9) |

| **abuse\_any** | | | |
| --- | --- | --- | --- |
| There is a positive LEAD Panel Assessment abuse determination based on majority vote for any abuse type. | | | |
| Variable | Category | N | Percent of N (95% CI) |
| abuse\_any | No | 726 | 91.3 (89.1 - 93.1) |
| abuse\_any | Yes | 69 | 8.7 (6.9 - 10.9) |

**LEAD Panel Assessment Determination Based on Majority Vote**

| **physical\_abuse\_det** | | | | |
| --- | --- | --- | --- | --- |
| LEAD Assessment physical abuse determination based on majority vote. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| physical\_abuse\_det | No | Initial assessment | 789 | 99.1 (98.2 - 99.6) |
| physical\_abuse\_det | Yes | Initial assessment | 7 | 0.9 (0.4 - 1.8) |
| physical\_abuse\_det | No | Secondary assessment | 128 | 94.8 (89.5 - 97.5) |
| physical\_abuse\_det | Yes | Secondary assessment | 7 | 5.2 (2.5 - 10.5) |
| physical\_abuse\_det | No | Post-detect assessment | 546 | 98.9 (97.6 - 99.5) |
| physical\_abuse\_det | Yes | Post-detect assessment | 6 | 1.1 (0.5 - 2.4) |

| **sexual\_abuse\_det** | | | | |
| --- | --- | --- | --- | --- |
| LEAD Assessment sexual abuse determination based on majority vote. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| sexual\_abuse\_det | No | Initial assessment | 795 | 99.7 (99.0 - 99.9) |
| sexual\_abuse\_det | Yes | Initial assessment | 2 | 0.3 (0.1 - 1.0) |
| sexual\_abuse\_det | No | Secondary assessment | 134 | 99.3 (94.9 - 99.9) |
| sexual\_abuse\_det | Yes | Secondary assessment | 1 | 0.7 (0.1 - 5.1) |
| sexual\_abuse\_det | No | Post-detect assessment | 551 | 99.8 (98.7 - 100.0) |
| sexual\_abuse\_det | Yes | Post-detect assessment | 1 | 0.2 (0.0 - 1.3) |

| **emotional\_psycho\_abuse\_det** | | | | |
| --- | --- | --- | --- | --- |
| LEAD Assessment emotional/ psychological abuse determination based on majority vote. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| emotional\_psycho\_abuse\_det | No | Initial assessment | 758 | 95.2 (93.5 - 96.5) |
| emotional\_psycho\_abuse\_det | Yes | Initial assessment | 38 | 4.8 (3.5 - 6.5) |
| emotional\_psycho\_abuse\_det | No | Secondary assessment | 101 | 74.8 (66.8 - 81.4) |
| emotional\_psycho\_abuse\_det | Yes | Secondary assessment | 34 | 25.2 (18.6 - 33.2) |
| emotional\_psycho\_abuse\_det | No | Post-detect assessment | 524 | 94.9 (92.7 - 96.5) |
| emotional\_psycho\_abuse\_det | Yes | Post-detect assessment | 28 | 5.1 (3.5 - 7.3) |

| **neglect\_det** | | | | |
| --- | --- | --- | --- | --- |
| LEAD Assessment neglect determination based on majority vote. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| neglect\_det | No | Initial assessment | 792 | 99.4 (98.5 - 99.7) |
| neglect\_det | Yes | Initial assessment | 5 | 0.6 (0.3 - 1.5) |
| neglect\_det | No | Secondary assessment | 127 | 94.1 (88.6 - 97.0) |
| neglect\_det | Yes | Secondary assessment | 8 | 5.9 (3.0 - 11.4) |
| neglect\_det | No | Post-detect assessment | 547 | 99.1 (97.8 - 99.6) |
| neglect\_det | Yes | Post-detect assessment | 5 | 0.9 (0.4 - 2.2) |

| **self\_neglect\_det** | | | | |
| --- | --- | --- | --- | --- |
| LEAD Assessment self-neglect determination based on majority vote. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| self\_neglect\_det | No | Initial assessment | 783 | 98.4 (97.2 - 99.1) |
| self\_neglect\_det | Yes | Initial assessment | 13 | 1.6 (0.9 - 2.8) |
| self\_neglect\_det | No | Secondary assessment | 123 | 91.1 (85.0 - 94.9) |
| self\_neglect\_det | Yes | Secondary assessment | 12 | 8.9 (5.1 - 15.0) |
| self\_neglect\_det | No | Post-detect assessment | 537 | 97.3 (95.5 - 98.4) |
| self\_neglect\_det | Yes | Post-detect assessment | 15 | 2.7 (1.6 - 4.5) |

| **financial\_exploitation\_det** | | | | |
| --- | --- | --- | --- | --- |
| LEAD Assessment financial exploitation determination based on majority vote. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| financial\_exploitation\_det | No | Initial assessment | 788 | 98.9 (97.8 - 99.4) |
| financial\_exploitation\_det | Yes | Initial assessment | 9 | 1.1 (0.6 - 2.2) |
| financial\_exploitation\_det | No | Secondary assessment | 124 | 91.9 (85.9 - 95.4) |
| financial\_exploitation\_det | Yes | Secondary assessment | 11 | 8.1 (4.6 - 14.1) |
| financial\_exploitation\_det | No | Post-detect assessment | 544 | 98.6 (97.1 - 99.3) |
| financial\_exploitation\_det | Yes | Post-detect assessment | 8 | 1.4 (0.7 - 2.9) |

| **abandonment\_det** | | | | |
| --- | --- | --- | --- | --- |
| LEAD Assessment abandonment determination based on majority vote. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| abandonment\_det | No | Initial assessment | 796 | 100.0 (NaN - NaN) |
| abandonment\_det | Yes | Initial assessment | 0 | 0.0 (NaN - NaN) |
| abandonment\_det | No | Secondary assessment | 134 | 99.3 (94.9 - 99.9) |
| abandonment\_det | Yes | Secondary assessment | 1 | 0.7 (0.1 - 5.1) |
| abandonment\_det | No | Post-detect assessment | 551 | 99.8 (98.7 - 100.0) |
| abandonment\_det | Yes | Post-detect assessment | 1 | 0.2 (0.0 - 1.3) |

| **abuse\_any** | | | | |
| --- | --- | --- | --- | --- |
| There is a positive LEAD Panel Assessment abuse determination based on majority vote for any abuse type. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| abuse\_any | No | Initial assessment | 735 | 92.7 (90.7 - 94.3) |
| abuse\_any | Yes | Initial assessment | 58 | 7.3 (5.7 - 9.3) |
| abuse\_any | No | Secondary assessment | 79 | 58.5 (50.0 - 66.6) |
| abuse\_any | Yes | Secondary assessment | 56 | 41.5 (33.4 - 50.0) |
| abuse\_any | No | Post-detect assessment | 505 | 91.5 (88.8 - 93.5) |
| abuse\_any | Yes | Post-detect assessment | 47 | 8.5 (6.5 - 11.2) |

**Any Positive Votes**

| **physical\_abuse\_any** | | | | |
| --- | --- | --- | --- | --- |
| At least one LEAD panelist voted 'Yes' for physical abuse. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| physical\_abuse\_any | No | Initial assessment | 775 | 97.4 (96.0 - 98.3) |
| physical\_abuse\_any | Yes | Initial assessment | 21 | 2.6 (1.7 - 4.0) |
| physical\_abuse\_any | No | Secondary assessment | 125 | 92.6 (86.7 - 96.0) |
| physical\_abuse\_any | Yes | Secondary assessment | 10 | 7.4 (4.0 - 13.3) |
| physical\_abuse\_any | No | Post-detect assessment | 542 | 98.2 (96.7 - 99.0) |
| physical\_abuse\_any | Yes | Post-detect assessment | 10 | 1.8 (1.0 - 3.3) |

| **sexual\_abuse\_any** | | | | |
| --- | --- | --- | --- | --- |
| At least one LEAD panelist voted 'Yes' for sexual abuse. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| sexual\_abuse\_any | No | Initial assessment | 793 | 99.5 (98.7 - 99.8) |
| sexual\_abuse\_any | Yes | Initial assessment | 4 | 0.5 (0.2 - 1.3) |
| sexual\_abuse\_any | No | Secondary assessment | 133 | 98.5 (94.2 - 99.6) |
| sexual\_abuse\_any | Yes | Secondary assessment | 2 | 1.5 (0.4 - 5.8) |
| sexual\_abuse\_any | No | Post-detect assessment | 550 | 99.6 (98.6 - 99.9) |
| sexual\_abuse\_any | Yes | Post-detect assessment | 2 | 0.4 (0.1 - 1.4) |

| **emotional\_psycho\_abuse\_any** | | | | |
| --- | --- | --- | --- | --- |
| At least one LEAD panelist voted 'Yes' for emotional/ psychological abuse. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| emotional\_psycho\_abuse\_any | No | Initial assessment | 720 | 90.5 (88.2 - 92.3) |
| emotional\_psycho\_abuse\_any | Yes | Initial assessment | 76 | 9.5 (7.7 - 11.8) |
| emotional\_psycho\_abuse\_any | No | Secondary assessment | 95 | 70.4 (62.1 - 77.5) |
| emotional\_psycho\_abuse\_any | Yes | Secondary assessment | 40 | 29.6 (22.5 - 37.9) |
| emotional\_psycho\_abuse\_any | No | Post-detect assessment | 516 | 93.5 (91.1 - 95.3) |
| emotional\_psycho\_abuse\_any | Yes | Post-detect assessment | 36 | 6.5 (4.7 - 8.9) |

| **neglect\_any** | | | | |
| --- | --- | --- | --- | --- |
| At least one LEAD panelist voted 'Yes' for neglect. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| neglect\_any | No | Initial assessment | 766 | 96.1 (94.5 - 97.3) |
| neglect\_any | Yes | Initial assessment | 31 | 3.9 (2.7 - 5.5) |
| neglect\_any | No | Secondary assessment | 120 | 88.9 (82.4 - 93.2) |
| neglect\_any | Yes | Secondary assessment | 15 | 11.1 (6.8 - 17.6) |
| neglect\_any | No | Post-detect assessment | 538 | 97.5 (95.8 - 98.5) |
| neglect\_any | Yes | Post-detect assessment | 14 | 2.5 (1.5 - 4.2) |

| **self\_neglect\_any** | | | | |
| --- | --- | --- | --- | --- |
| At least one LEAD panelist voted 'Yes' for self-neglect. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| self\_neglect\_any | No | Initial assessment | 763 | 95.9 (94.2 - 97.0) |
| self\_neglect\_any | Yes | Initial assessment | 33 | 4.1 (3.0 - 5.8) |
| self\_neglect\_any | No | Secondary assessment | 121 | 89.6 (83.2 - 93.8) |
| self\_neglect\_any | Yes | Secondary assessment | 14 | 10.4 (6.2 - 16.8) |
| self\_neglect\_any | No | Post-detect assessment | 537 | 97.3 (95.5 - 98.4) |
| self\_neglect\_any | Yes | Post-detect assessment | 15 | 2.7 (1.6 - 4.5) |

| **financial\_exploitation\_any** | | | | |
| --- | --- | --- | --- | --- |
| At least one LEAD panelist voted 'Yes' for financial exploitation. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| financial\_exploitation\_any | No | Initial assessment | 762 | 95.6 (93.9 - 96.8) |
| financial\_exploitation\_any | Yes | Initial assessment | 35 | 4.4 (3.2 - 6.1) |
| financial\_exploitation\_any | No | Secondary assessment | 119 | 88.1 (81.5 - 92.6) |
| financial\_exploitation\_any | Yes | Secondary assessment | 16 | 11.9 (7.4 - 18.5) |
| financial\_exploitation\_any | No | Post-detect assessment | 540 | 97.8 (96.2 - 98.8) |
| financial\_exploitation\_any | Yes | Post-detect assessment | 12 | 2.2 (1.2 - 3.8) |

| **abandonment\_any** | | | | |
| --- | --- | --- | --- | --- |
| At least one LEAD panelist voted 'Yes' for abandonment. | | | | |
| Variable | Category | Assessment Type | N | Percent of N (95% CI) |
| abandonment\_any | No | Initial assessment | 792 | 99.5 (98.7 - 99.8) |
| abandonment\_any | Yes | Initial assessment | 4 | 0.5 (0.2 - 1.3) |
| abandonment\_any | No | Secondary assessment | 134 | 99.3 (94.9 - 99.9) |
| abandonment\_any | Yes | Secondary assessment | 1 | 0.7 (0.1 - 5.1) |
| abandonment\_any | No | Post-detect assessment | 550 | 99.6 (98.6 - 99.9) |
| abandonment\_any | Yes | Post-detect assessment | 2 | 0.4 (0.1 - 1.4) |