Supplementary Tables S1. Distribution of subjects (children and adults) by criterion for each outcome measure

Criterion A: Severe respiratory distress

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| **Outcome measure** | **Criterion A present n (%)** |
| **Children (<16 yrs)****(n=480)** | **Adults****(n=1040)** | **All ages****(n=1520)** |
| Length of stay >48 hours No Yes |  23 (17.29)110 (82.71) |  54 (10.21)475 (89.79) |  77 (11.63)583 (88.37) |
| Length of stay ≥6 days No Yes | 81 (60.90) 52 (39.10) | 280 (52.93)249 (47.07) | 361 (54.53)301 (45.47) |
| Length of stay ≥12 days No Yes | 104 (78.20) 29 (21.80) | 391 (73.91)138 (26.09) | 495 (74.77)167 (25.23) |
| Additional oxygen requirement No Yes | 72 (54.14) 61 (45.86) | 280 (52.93)249 (47.07) | 352 (53.17)310 (46.83) |
|  |  |  |  |
| Need for mechanical ventilation No Yes | 105 (78.95) 28 (21.05) | 439 (82.99) 90 (17.01) | 544 (82.18)118 (17.82) |
|  |  |  |  |
| In-hospital antibiotics No Yes |  17 (12.78)116 (87.22) |  70 (13.23)459 (86.77) |  87 (13.14)575 (86.86) |
|  |  |  |  |
| Mortality No Yes | 123 (92.48) 10 (7.52) | 490 (92.63) 39 (7.37) | 613 (92.60) 49 (7.40) |
|  |  |  |  |
| Adverse outcome (level 2/3 admission or death) No Yes |  95 (71.43) 38 (28.57) | 401 (75.80)128 (24.20) | 496 (74.92)166 (25.08) |
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Criterion B: Increased respiratory rate

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| **Outcome measure** | **Criterion B present n (%)** |
| **Children (<16 yrs)****(n=480)** | **Adults****(n=1040)** | **All ages****(n=1520)** |
| Length of stay >48 hours No Yes |  40 (21.86)143 (78.14) |  26 (10.44)223 (89.56) |  66 (15.28)366 (84.72) |
|  |  |  |  |
| Length of stay ≥6 days No Yes | 109 (59.56) 74 (40.44) | 114 (45.78)135 (54.22) | 223 (51.6)209 (48.38) |
| Length of stay ≥12 days No Yes | 135 (73.77) 48 (26.23) | 150 (60.24) 99 (39.76) | 285 (65.97)147 (34.03) |
| Additional oxygen requirement No Yes | 132 (72.13) 51 (27.87) | 155 (62.25) 94 (37.75) | 287 (66.44)145 (33.56) |
|  |  |  |  |
| Need for mechanical ventilation No Yes | 160 (87.43) 23 (12.57) | 192 (77.11) 57 (22.89) | 352 (81.48) 80 (18.52) |
|  |  |  |  |
| In-hospital antibiotics No Yes |  48 (26.23)135 (73.77) |  66 (26.51)183 (73.49) | 114 (26.39)318 (73.61) |
|  |  |  |  |
| Mortality No Yes | 173 (94.54) 10 (5.46) | 224 (89.96) 25 (10.04) | 397 (91.90) 35 (8.10) |
|  |  |  |  |
| Adverse outcome (level 2/3 admission or death) No Yes | 147 (80.33) 36 (19.67) | 176 (70.68) 73 (29.32) | 323 (74.77)109 (25.23) |
|  |  |  |  |

Criterion C: Oxygen saturation ≤92% in air or on oxygen

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| **Outcome measure** | **Criterion C present n (%)** |
| **Children (<16 yrs)****(n=480)** | **Adults****(n=1040)** | **All ages****(n=1520)** |
| Length of stay >48 hours No Yes |  16 (11.51)123 (88.49) | 25 (6.07)387 (93.93) |  41 (7.44)510 (92.56) |
|  |  |  |  |
| Length of stay ≥6 days No Yes | 82 (58.99) 57 (41.01) | 187 (45.39)225 (54.61) | 269 (48.82)282 (51.18) |
| Length of stay ≥12 days No Yes | 111 (79.86) 28 (20.14) | *272 (66.02)**140 (33.98)* | 383 (69.51)168 (30.49) |
| Need for mechanical ventilation No Yes | 102 (73.38) 37 (26.62) | 307 (74.51)105 (25.49) | 409 (74.23)142 (25.77) |
|  |  |  |  |
| In-hospital antibiotics No Yes |  9 (6.47)130 (93.53) | 37 (8.98)375 (91.02) | 46 (8.35)505 (91.65) |
|  |  |  |  |
| Mortality No Yes | 132 (94.96) 7 (5.04) | 369 (89.56) 43 (10.44) | 501 (90.93) 50 (9.07) |
|  |  |  |  |
| Adverse outcome (level 2/3 admission or death) No Yes | 93 (66.91) 46 (33.09) | 269 (65.29)143 (34.71) | 362 (65.70)189 (34.30) |
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Criterion D: Respiratory exhaustion or apnoeic episode

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| **Outcome measure** | **Criterion D present n (%)** |
| **Children (<16 yrs)****(n=480)** | **Adults****(n=1040)** | **All ages****(n=1520)** |
| Length of stay >48 hours No Yes |  0 (0.00) 1 (100.00) |  1 (4.35) 22 (95.65) |  1 (4.17) 23 (95.83) |
|  |  |  |  |
| Length of stay ≥6 days No Yes |  0 (0.00) 1 (100.00) |  7 (30.43) 16 (69.57) |  7 (29.17) 17 (70.83) |
| Length of stay ≥12 days No Yes |  0 (0.00) 1 (100.00) |  12 (52.17) 11 (47.83) | 12 (50.00) 12 (50.00) |
| Additional oxygen requirement No Yes |  1 (100.00) 0 (0.00) |  8 (34.78) 15 (65.22) |   9 (37.50) 15 (62.50) |
|  |  |  |  |
| Need for mechanical ventilation No Yes |  1 (100.00) 0 (0.00) |  10 (43.48) 13 (56.52) | 11 (45.83) 13 (54.17) |
|  |  |  |  |
| In-hospital antibiotics No Yes |  1 (100.00) 0 (0.00) |  2 (8.70) 21 (91.30) |  3 (12.50) 21 (87.50) |
|  |  |  |  |
| Mortality No Yes |  0 (0.00) 1 (100.00) |  18 (78.26) 5 (21.74) | 18 (75.00) 6 (25.00) |
|  |  |  |  |
| Adverse outcome (level 2/3 admission or death) No Yes |  0 (0.00) 1 (100.00) | 10 (43.48) 13 (56.52) |  10 (41.67) 14 (58.33) |
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Criterion E: Severe clinical dehydration or shock

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| **Outcome measure** | **Criterion E present n (%)** |
| **Children (<16 yrs)****(n=480)** | **Adults****(n=1040)** | **All ages****(n=1520)** |
| Length of stay >48 hours No Yes |  2 (33.33) 4 (66.67) |  17 (9.66)159 (90.34) |  19 (10.44)163 (89.56) |
|  |  |  |  |
| Length of stay ≥6 days No Yes |  2 (33.33) 4 (66.67) | 86 (48.86) 90 (51.14) |  88 (48.35) 94 (51.65) |
| Length of stay ≥12 days No Yes |  4 (66.67) 2 (33.33) | 119 (67.61) 57 (32.39) | 123 (67.58) 59 (32.42) |
| Additional oxygen requirement No Yes |  4 (66.67) 2 (33.33) | 108 (61.36) 68 (38.64) | 112 (61.54) 70 (38.46) |
|  |  |  |  |
| Need for mechanical ventilation No Yes |  3 (50.00) 3 (50.00) | 137 (77.84) 39 (22.16) | 140 (76.92) 42 (23.08) |
|  |  |  |  |
| In-hospital antibiotics No Yes |  2 (33.33) 4 (66.67) |  21 (11.93)155 (88.07) |  23 (12.64)159 (87.36) |
|  |  |  |  |
| Mortality No Yes |  4 (66.67) 2 (33.33) | 157 (89.20) 19 (10.80) | 161 (88.46) 21 (11.54) |
|  |  |  |  |
| Adverse outcome (level 2/3 admission or death) No Yes |  2 (33.33) 4 (66.67) | 116 (65.91) 60 (34.09) | 118 (64.84) 64 (35.16) |
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Criterion F: Altered consciousness

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| **Outcome measure**  | **Criterion F present n (%)** |
| **Children (<16 yrs)****(n=480)** | **Adults****(n=1040)** | **All ages****(n=1520)** |
| Length of stay >48 hours No Yes |  12 (22.64) 41 (77.36) |  3 (5.77) 49 (94.23) |  15 (14.29) 90 (85.71) |
|  |  |  |  |
| Length of stay ≥6 days No Yes |  35 (66.04) 18 (33.96) |  17 (32.69) 35 (67.31) | 52 (49.52) 53 (50.48) |
| Length of stay ≥12 days No Yes |  41 (77.36) 12 (22.64) |  26 (50.00) 26 (50.00) | 67 (63.81) 38 (36.19) |
| Additional oxygen requirement No Yes |  32 (60.38) 21 (39.62) |  26 (50.00) 26 (50.00) | 58 (55.24) 47 (44.76) |
|  |  |  |  |
| Need for mechanical ventilation No Yes |  34 (64.15) 19 (35.85) |  32 (61.54) 20 (38.46) | 66 (62.86) 39 (37.14) |
|  |  |  |  |
| In-hospital antibiotics No Yes |  8 (15.09) 45 (84.91) | 3 (5.77) 49 (94.23) |  11 (10.48) 94 (89.52) |
|  |  |  |  |
| Mortality No Yes |  48 (90.57) 5 (9.43) |  44 (84.62) 8 (15.38) | 92 (87.62) 13 (12.38) |
|  |  |  |  |
| Adverse outcome (level 2/3 admission or death) No Yes |  28 (52.83) 25 (47.17) |  26 (50.00) 26 (50.00) | 54 (51.43) 51 (48.57) |
|  |  |  |  |

Criterion G: Other clinical concern

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| **Outcome measure**  | **Criterion G present n (%)** |
| **Children (<16 yrs)****(n=480)** | **Adults****(n=1040)** | **All ages****(n=1520)** |
| Length of stay >48 hours No Yes |  10 (24.39) 31 (75.61) |  8 (8.00) 92 (92.00) |  18 (12.77)123 (87.23) |
|  |  |  |  |
| Length of stay ≥6 days No Yes |  28 (68.29) 13 (31.71) |  48 (48.00) 52 (52.00) |  76 (53.90) 65 (46.10) |
| Length of stay ≥12 days No Yes | 32 (78.05) 9 (21.95) | 71 (71.00) 29 (29.00) | 103 (73.05) 38 (26.95) |
| Additional oxygen requirement No Yes |  27 (65.85) 14 (34.15) |  75 (75.00) 25 (25.00) | 102 (72.34) 39 (27.66) |
|  |  |  |  |
| In-hospital antibiotics No Yes |  8 (19.51) 33 (80.49) |  25 (25.00) 75 (75.00) |  33 (23.40)108 (76.60) |
|  |  |  |  |
| Mechanical ventilation No Yes |  31 (75.61) 10 (24.39) |  77 (77.00) 23 (23.00) | 108 (76.60) 33 (23.40) |
| Mortality No Yes |  36 (87.80) 5 (12.20) |  92 (92.00) 8 (8.00) | 128 (90.78) 13 (9.22) |
|  |  |  |  |
| Adverse outcome (level 2/3 admission or death) No Yes |  29 (70.73) 12 (29.27) |  69 (69.00) 31 (31.00) | 98 (69.50) 43 (30.50) |