**Supplemental Digital Content 3.** Basic immunologic outcomes

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|  | Birth n | 3 months n | 5 months n | 12 months n  |
| Leukocyte x10E9/l | 16.7 (6.0-31.8) 33 | 12.2 (7.50-33.6) 30 | 12.3 (6.5-34.9) 29 | 12.2 (6.3-17.7) 8 |
| Neutrophils x10E9/L | 10.27 (2.0-20.0) 17 | 2.64 (0.99-9.5) 25 | 2.64 (1.53-23.9) 27 | 3.06 (0.78-5.3) 8 |
| Lymphocytes x 10E9/l |  | 8.28 (3.40-12.00) 21 | 8.50 (3.28-19.40) 23 | 7.15 (4.37-11.90) 10 |
| B-Lymphocytes x 10E9/l  |  | 2.07 (1.00-7.08) 17 | 2.24 (0.48-9.06) 20 | 1.61 (0.64-2.11) 8 |
| T-Lymphocytes x 10E9/l  |  | 5.99 (2.48-7.58) 17 | 5.74 (2.37-9.09) 19 | 5.23 (3.51-7.00) 9 |
| CD4 lymphocytes x 10E9/l  |  | 4.36 (1.19-6.04) 17 | 4.15 (1.69-7.48) 19 | 3.87 (2.49-4.75) 9 |
| CD8 Lymphocytes x 10E9/l  |  | 1.25 (0.65-2.78) 17 | 1.42 (0.25-2.48) 19 | 1.11 (0.63-2.29) 9 |
| Natural Killer cells x 10E9/l  |  | 0.35 (0.12-0.91) 17 | 0.39 (0.10-1.93). 19 | 0.27 (0.17-1.27) 8 |
| IgM (g/l) |  | 0.45 (0.10-1.60) 24 | 0.42 (0.20-0.76) 29 | 0.68 (0.33-1.49) 11 |
| IgA (g/l) |  | 0.11 (0-0.49) 26 | 0.14 (0-0.77) 30 | 0.30 (0.12-0.81) 13 |
| IgG (g/l) |  | 3.70 (1.20-5.30) 27 | 3.65 (1.60-7.90) 30 | 5.55 (4.20-7.30) 12 |

For all data: median with range