Table : EED and Child Development in Bangladesh

| Outcome Domain | Outcome Subdomain | Exposure | n | Q1 | Q3 | Adj. Diff (95% CI) | Adj. P-value | FDR Corrected P-value |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WHO Motor Milestones (Year 1) |  |  |  |  |  |  |  |  |
|  | Sum Total | alpha-1 antitrypsin (3 mo) | 809 | -1.48 | -0.24 | 0 (-0.11, 0.12) | 0.94 | 0.98 |
| Milestones 2,4,5,6 | alpha-1 antitrypsin (3 mo) | 809 | -1.48 | -0.24 | -0.03 (-0.23, 0.17) | 0.76 | 0.92 |
| Sum Total | myeloperoxidase (3 mo) | 811 | 8.35 | 9.85 | 0.06 (-0.07, 0.18) | 0.36 | 0.60 |
| Milestones 2,4,5,6 | myeloperoxidase (3 mo) | 811 | 8.35 | 9.85 | 0.06 (-0.05, 0.16) | 0.28 | 0.51 |
| Sum Total | neopterin (3 mo) | 812 | 6.81 | 7.75 | 0.05 (-0.08, 0.18) | 0.44 | 0.60 |
| Milestones 2,4,5,6 | neopterin (3 mo) | 812 | 6.81 | 7.75 | 0.07 (-0.05, 0.18) | 0.26 | 0.51 |
| Sum Total | lactulose (3 mo) | 988 | -1.55 | -0.01 | -0.25 (-0.5, -0.01) | 0.04 | 0.17 |
| Milestones 2,4,5,6 | lactulose (3 mo) | 995 | -1.56 | -0.02 | -0.1 (-0.21, 0) | 0.05 | 0.17 |
| Sum Total | mannitol (3 mo) | 988 | 0.68 | 2.12 | -0.22 (-0.36, -0.08) | 0.00 | 0.03 |
| Milestones 2,4,5,6 | mannitol (3 mo) | 995 | 0.68 | 2.11 | -0.1 (-0.2, 0.01) | 0.06 | 0.17 |
| Communicative Development Inventory (Year 1) |  |  |  |  |  |  |  |  |
|  | Receptive | alpha-1 antitrypsin (3 mo) | 800 | -1.48 | -0.23 | -0.03 (-0.25, 0.19) | 0.79 | 0.92 |
| Expressive without Language | alpha-1 antitrypsin (3 mo) | 796 | -1.48 | -0.22 | -0.07 (-0.24, 0.1) | 0.44 | 0.60 |
| Receptive | myeloperoxidase (3 mo) | 802 | 8.35 | 9.85 | -0.04 (-0.14, 0.06) | 0.45 | 0.60 |
| Expressive without Language | myeloperoxidase (3 mo) | 798 | 8.36 | 9.87 | 0 (-0.1, 0.1) | 0.98 | 0.98 |
| Receptive | neopterin (3 mo) | 803 | 6.80 | 7.75 | 0.23 (0.07, 0.39) | 0.00 | 0.05 |
| Expressive without Language | neopterin (3 mo) | 799 | 6.80 | 7.75 | 0.03 (-0.19, 0.25) | 0.83 | 0.92 |
| Receptive | lactulose (3 mo) | 983 | -1.56 | -0.01 | -0.15 (-0.3, -0.01) | 0.04 | 0.17 |
| Expressive without Language | lactulose (3 mo) | 980 | -1.56 | -0.01 | -0.15 (-0.31, 0.01) | 0.06 | 0.17 |
| Receptive | mannitol (3 mo) | 983 | 0.67 | 2.11 | -0.12 (-0.26, 0.01) | 0.07 | 0.17 |
| Expressive without Language | mannitol (3 mo) | 980 | 0.67 | 2.12 | -0.12 (-0.28, 0.03) | 0.11 | 0.24 |
| Extended Ages and Stages (Year 2) |  |  |  |  |  |  |  |  |
|  | Personal Social | alpha-1 antitrypsin (3 mo) | 698 | -1.45 | -0.21 | 0.02 (-0.08, 0.12) | 0.71 | 0.89 |
| Motor | alpha-1 antitrypsin (3 mo) | 689 | -1.44 | -0.21 | -0.04 (-0.13, 0.05) | 0.42 | 0.77 |
| Combined | alpha-1 antitrypsin (3 mo) | 696 | -1.45 | -0.21 | -0.1 (-0.27, 0.07) | 0.26 | 0.77 |
| Communication | alpha-1 antitrypsin (3 mo) | 696 | -1.45 | -0.21 | -0.08 (-0.24, 0.08) | 0.33 | 0.77 |
| Personal Social | myeloperoxidase (3 mo) | 699 | 8.38 | 9.91 | -0.06 (-0.18, 0.05) | 0.30 | 0.77 |
| Motor | myeloperoxidase (3 mo) | 690 | 8.41 | 9.91 | -0.03 (-0.14, 0.08) | 0.65 | 0.89 |
| Combined | myeloperoxidase (3 mo) | 697 | 8.39 | 9.91 | -0.06 (-0.17, 0.06) | 0.35 | 0.77 |
| Communication | myeloperoxidase (3 mo) | 697 | 8.39 | 9.91 | -0.05 (-0.08, -0.01) | 0.01 | 0.22 |
| Personal Social | neopterin (3 mo) | 700 | 6.83 | 7.76 | 0.07 (-0.04, 0.18) | 0.23 | 0.77 |
| Motor | neopterin (3 mo) | 691 | 6.83 | 7.75 | 0.07 (-0.05, 0.19) | 0.26 | 0.77 |
| Combined | neopterin (3 mo) | 698 | 6.83 | 7.77 | 0.1 (-0.04, 0.25) | 0.17 | 0.77 |
| Communication | neopterin (3 mo) | 698 | 6.83 | 7.76 | 0.19 (-0.01, 0.39) | 0.06 | 0.44 |
| Personal Social | lactulose (3 mo) | 868 | -1.57 | -0.03 | 0.02 (-0.21, 0.26) | 0.86 | 0.96 |
| Motor | lactulose (3 mo) | 861 | -1.56 | -0.02 | 0.05 (-0.05, 0.15) | 0.32 | 0.77 |
| Combined | lactulose (3 mo) | 866 | -1.57 | -0.03 | 0.03 (-0.07, 0.13) | 0.53 | 0.84 |
| Communication | lactulose (3 mo) | 867 | -1.57 | -0.03 | 0.03 (-0.06, 0.13) | 0.52 | 0.84 |
| Personal Social | mannitol (3 mo) | 868 | 0.69 | 2.11 | -0.02 (-0.12, 0.09) | 0.77 | 0.92 |
| Motor | mannitol (3 mo) | 861 | 0.69 | 2.12 | 0.04 (-0.06, 0.14) | 0.44 | 0.77 |
| Combined | mannitol (3 mo) | 866 | 0.69 | 2.11 | 0.03 (-0.08, 0.14) | 0.59 | 0.87 |
| Communication | mannitol (3 mo) | 867 | 0.69 | 2.11 | 0.02 (-0.08, 0.12) | 0.67 | 0.89 |
| Communicative Development Inventory (Year 2) |  |  |  |  |  |  |  |  |
|  | Receptive | alpha-1 antitrypsin (3 mo) | 703 | -1.45 | -0.21 | -0.02 (-0.11, 0.07) | 0.65 | 0.89 |
| Expressive without Language | alpha-1 antitrypsin (3 mo) | 709 | -1.45 | -0.21 | 0 (0, 0) | 0.00 | 0.10 |
| Receptive | myeloperoxidase (3 mo) | 704 | 8.38 | 9.91 | -0.01 (-0.12, 0.09) | 0.79 | 0.92 |
| Expressive without Language | myeloperoxidase (3 mo) | 710 | 8.37 | 9.90 | 0 (-0.11, 0.11) | 1.00 | 1.00 |
| Receptive | neopterin (3 mo) | 705 | 6.83 | 7.75 | 0.08 (-0.02, 0.18) | 0.10 | 0.55 |
| Expressive without Language | neopterin (3 mo) | 711 | 6.82 | 7.75 | 0.09 (-0.02, 0.2) | 0.10 | 0.55 |
| Receptive | lactulose (3 mo) | 873 | -1.56 | -0.03 | 0.06 (-0.15, 0.27) | 0.57 | 0.87 |
| Expressive without Language | lactulose (3 mo) | 881 | -1.57 | -0.03 | 0.09 (-0.13, 0.31) | 0.43 | 0.77 |
| Receptive | mannitol (3 mo) | 873 | 0.69 | 2.10 | 0.01 (-0.17, 0.2) | 0.91 | 0.96 |
| Expressive without Language | mannitol (3 mo) | 881 | 0.69 | 2.10 | -0.02 (-0.22, 0.18) | 0.86 | 0.96 |
| Extended Ages and Stages (Year 2) |  |  |  |  |  |  |  |  |
|  | Personal Social | alpha-1 antitrypsin (14 mo) | 1,334 | -1.37 | -0.11 | 0.05 (-0.03, 0.12) | 0.22 | 0.77 |
| Motor | alpha-1 antitrypsin (14 mo) | 1,315 | -1.37 | -0.11 | 0.01 (-0.17, 0.18) | 0.96 | 0.97 |
| Combined | alpha-1 antitrypsin (14 mo) | 1,328 | -1.37 | -0.11 | 0.07 (-0.1, 0.24) | 0.41 | 0.77 |
| Communication | alpha-1 antitrypsin (14 mo) | 1,334 | -1.37 | -0.11 | 0.04 (-0.11, 0.19) | 0.58 | 0.87 |
| Personal Social | myeloperoxidase (14 mo) | 1,334 | 7.91 | 9.24 | -0.01 (-0.09, 0.06) | 0.71 | 0.89 |
| Motor | myeloperoxidase (14 mo) | 1,315 | 7.91 | 9.24 | -0.02 (-0.09, 0.05) | 0.62 | 0.88 |
| Combined | myeloperoxidase (14 mo) | 1,328 | 7.91 | 9.24 | 0 (-0.07, 0.06) | 0.90 | 0.96 |
| Communication | myeloperoxidase (14 mo) | 1,334 | 7.91 | 9.24 | 0 (-0.06, 0.07) | 0.91 | 0.96 |
| Personal Social | neopterin (14 mo) | 1,334 | 6.48 | 7.64 | 0 (-0.11, 0.1) | 0.96 | 0.97 |
| Motor | neopterin (14 mo) | 1,315 | 6.47 | 7.64 | 0.03 (-0.04, 0.1) | 0.38 | 0.77 |
| Combined | neopterin (14 mo) | 1,328 | 6.48 | 7.64 | 0.05 (-0.04, 0.14) | 0.30 | 0.77 |
| Communication | neopterin (14 mo) | 1,334 | 6.48 | 7.64 | 0.05 (-0.04, 0.14) | 0.24 | 0.77 |
| Personal Social | lactulose (14 mo) | 1,299 | -1.91 | -0.52 | -0.06 (-0.18, 0.07) | 0.40 | 0.77 |
| Motor | lactulose (14 mo) | 1,284 | -1.90 | -0.52 | -0.14 (-0.26, -0.01) | 0.03 | 0.30 |
| Combined | lactulose (14 mo) | 1,294 | -1.91 | -0.52 | -0.14 (-0.28, 0) | 0.04 | 0.38 |
| Communication | lactulose (14 mo) | 1,299 | -1.91 | -0.52 | -0.07 (-0.19, 0.05) | 0.26 | 0.77 |
| Personal Social | mannitol (14 mo) | 1,299 | 0.03 | 1.54 | 0.01 (-0.06, 0.08) | 0.78 | 0.92 |
| Motor | mannitol (14 mo) | 1,284 | 0.03 | 1.54 | -0.22 (-0.36, -0.07) | 0.00 | 0.10 |
| Combined | mannitol (14 mo) | 1,294 | 0.03 | 1.54 | -0.05 (-0.18, 0.08) | 0.48 | 0.81 |
| Communication | mannitol (14 mo) | 1,299 | 0.03 | 1.54 | 0.03 (-0.03, 0.1) | 0.34 | 0.77 |
| Communicative Development Inventory (Year 2) |  |  |  |  |  |  |  |  |
|  | Receptive | alpha-1 antitrypsin (14 mo) | 1,337 | -1.36 | -0.11 | 0.19 (0.03, 0.35) | 0.02 | 0.30 |
| Expressive without Language | alpha-1 antitrypsin (14 mo) | 1,354 | -1.36 | -0.11 | 0.19 (0.02, 0.36) | 0.03 | 0.30 |
| Receptive | myeloperoxidase (14 mo) | 1,337 | 7.91 | 9.25 | -0.01 (-0.08, 0.05) | 0.70 | 0.89 |
| Expressive without Language | myeloperoxidase (14 mo) | 1,354 | 7.91 | 9.24 | -0.06 (-0.13, 0) | 0.07 | 0.44 |
| Receptive | neopterin (14 mo) | 1,337 | 6.48 | 7.64 | 0.04 (-0.02, 0.1) | 0.23 | 0.77 |
| Expressive without Language | neopterin (14 mo) | 1,354 | 6.48 | 7.64 | 0.05 (-0.01, 0.12) | 0.11 | 0.57 |
| Receptive | lactulose (14 mo) | 1,301 | -1.91 | -0.51 | -0.04 (-0.12, 0.04) | 0.32 | 0.77 |
| Expressive without Language | lactulose (14 mo) | 1,317 | -1.91 | -0.52 | -0.04 (-0.12, 0.05) | 0.41 | 0.77 |
| Receptive | mannitol (14 mo) | 1,301 | 0.03 | 1.54 | 0.03 (-0.05, 0.12) | 0.48 | 0.81 |
| Expressive without Language | mannitol (14 mo) | 1,317 | 0.03 | 1.54 | 0 (-0.07, 0.08) | 0.91 | 0.96 |
| Extended Ages and Stages (Year 2) |  |  |  |  |  |  |  |  |
|  | Personal Social | regenerating gene 1B (14 mo) | 1,332 | 4.70 | 5.48 | -0.01 (-0.05, 0.03) | 0.69 | 0.86 |
| Motor | regenerating gene 1B (14 mo) | 1,313 | 4.70 | 5.48 | 0.02 (-0.02, 0.06) | 0.35 | 0.70 |
| Combined | regenerating gene 1B (14 mo) | 1,326 | 4.71 | 5.48 | 0.01 (-0.03, 0.05) | 0.72 | 0.86 |
| Communication | regenerating gene 1B (14 mo) | 1,332 | 4.71 | 5.48 | 0 (-0.04, 0.04) | 0.97 | 0.97 |
| Communicative Development Inventory (Year 2) |  |  |  |  |  |  |  |  |
|  | Receptive | regenerating gene 1B (14 mo) | 1,335 | 4.71 | 5.48 | -0.03 (-0.07, 0.01) | 0.13 | 0.40 |
| Expressive without Language | regenerating gene 1B (14 mo) | 1,352 | 4.71 | 5.48 | -0.04 (-0.08, 0) | 0.07 | 0.40 |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | |

Table : EED and WHO Motor Milestones in Bangladesh (Hazard Ratios, Year 1)

| Motor Milestone |  |  | Exposure | n | Q1 | Q3 | Adj. HR (95% CI) | Adj. P-value |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sitting without support |  |  | alpha-1 antitrypsin (3 mo) | 803 | -1.4746900 | -0.23833625 | 37.6 (0, 2.2945088155695e+24) | 0.90051065765 |  |
| Hands-and-knees crawling |  |  | alpha-1 antitrypsin (3 mo) | 800 | -1.4741930 | -0.24494817 | 0.97 (0.87, 1.09) | 0.67756063164 |  |
| Standing with assistance |  |  | alpha-1 antitrypsin (3 mo) | 802 | -1.4780525 | -0.24263972 | 0.82 (0.66, 1.02) | 0.07133431567 |  |
| Walking with assistance |  |  | alpha-1 antitrypsin (3 mo) | 801 | -1.4788020 | -0.24610240 | 1.06 (0.94, 1.21) | 0.35958761532 |  |
| Standing alone |  |  | alpha-1 antitrypsin (3 mo) | 803 | -1.4786820 | -0.23833625 | 0.99 (0.72, 1.38) | 0.97569146809 |  |
| Walking alone |  |  | alpha-1 antitrypsin (3 mo) | 797 | -1.4734160 | -0.23518700 | 1.03 (0.66, 1.6) | 0.91834590283 |  |
| Sitting without support |  |  | myeloperoxidase (3 mo) | 805 | 8.3765570 | 9.86996200 | 1347.32 (0, 258874085119330) | 0.59888343463 |  |
| Hands-and-knees crawling |  |  | myeloperoxidase (3 mo) | 802 | 8.3775375 | 9.88230025 | 0.93 (0.79, 1.09) | 0.40101195444 |  |
| Standing with assistance |  |  | myeloperoxidase (3 mo) | 804 | 8.3666788 | 9.87407475 | 0.96 (0.82, 1.12) | 0.60805364450 |  |
| Walking with assistance |  |  | myeloperoxidase (3 mo) | 803 | 8.3636445 | 9.86129400 | 1.04 (0.9, 1.2) | 0.58742300803 |  |
| Standing alone |  |  | myeloperoxidase (3 mo) | 805 | 8.3672520 | 9.86996200 | 1.03 (0.87, 1.21) | 0.76904038344 |  |
| Walking alone |  |  | myeloperoxidase (3 mo) | 799 | 8.3981085 | 9.87818750 | 1.12 (0.91, 1.38) | 0.28039014319 |  |
| Sitting without support |  |  | neopterin (3 mo) | 806 | 6.8074720 | 7.75308100 | 0.01 (0, 40890.33) | 0.59003377849 |  |
| Hands-and-knees crawling |  |  | neopterin (3 mo) | 803 | 6.8074720 | 7.74999750 | 0.92 (0.81, 1.04) | 0.18687461519 |  |
| Standing with assistance |  |  | neopterin (3 mo) | 805 | 6.8074720 | 7.75425900 | 0.94 (0.79, 1.12) | 0.52697804710 |  |
| Walking with assistance |  |  | neopterin (3 mo) | 804 | 6.8074720 | 7.75398975 | 1.25 (1, 1.56) | 0.04482635209 |  |
| Standing alone |  |  | neopterin (3 mo) | 806 | 6.8099422 | 7.75308100 | 1.1 (0.93, 1.3) | 0.25088046931 |  |
| Walking alone |  |  | neopterin (3 mo) | 800 | 6.8148827 | 7.75398975 | 0.96 (0.64, 1.45) | 0.85850189406 |  |
| Sitting without support |  |  | lactulose (3 mo) | 987 | -1.5472110 | -0.00937400 | 0 (0, 2.49489358046747e+202) | 0.82429221920 |  |
| Hands-and-knees crawling |  |  | lactulose (3 mo) | 984 | -1.5472110 | -0.00482005 | 0.82 (0.65, 1.03) | 0.08430985186 |  |
| Standing with assistance |  |  | lactulose (3 mo) | 987 | -1.5557475 | -0.01458920 | 0.9 (0.78, 1.04) | 0.14811752215 |  |
| Walking with assistance |  |  | lactulose (3 mo) | 986 | -1.5594060 | -0.01393475 | 0.83 (0.62, 1.1) | 0.19941905431 |  |
| Standing alone |  |  | lactulose (3 mo) | 980 | -1.5484305 | -0.00482005 | 0.67 (0.47, 0.96) | 0.02920203933 |  |
| Walking alone |  |  | lactulose (3 mo) | 980 | -1.5484305 | -0.00482005 | 0.89 (0.72, 1.09) | 0.26587038112 |  |
| Sitting without support |  |  | mannitol (3 mo) | 987 | 0.6750588 | 2.11713900 | 0.59 (0.3, 1.16) | 0.12312460477 |  |
| Hands-and-knees crawling |  |  | mannitol (3 mo) | 984 | 0.6758670 | 2.12138675 | 0.74 (0.64, 0.86) | 0.00009605821 |  |
| Standing with assistance |  |  | mannitol (3 mo) | 987 | 0.6750588 | 2.11076300 | 0.85 (0.72, 1) | 0.05031972139 |  |
| Walking with assistance |  |  | mannitol (3 mo) | 986 | 0.6715722 | 2.11201000 | 0.9 (0.78, 1.03) | 0.12572251462 |  |
| Standing alone |  |  | mannitol (3 mo) | 980 | 0.6728191 | 2.12466725 | 0.79 (0.63, 0.99) | 0.03620140256 |  |
| Walking alone |  |  | mannitol (3 mo) | 980 | 0.6728191 | 2.11519800 | 0.96 (0.79, 1.16) | 0.67085973989 |  |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | | |

Table : EED and WHO Motor Milestones in Kenya (Hazard Ratios, Year 1)

| Motor Milestone |  |  | Exposure | n | Q1 | Q3 | Adj. HR (95% CI) | Adj. P-value |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sitting without support |  |  | alpha-1 antitrypsin (6 mo) | 1,001 | -1.29893377 | -0.03033113 | 15.07 (0, 2.44626104658165e+31) | 0.944377481 |  |
| Hands-and-knees crawling |  |  | alpha-1 antitrypsin (6 mo) | 973 | -1.29615166 | -0.02687587 | 0.36 (0.17, 0.76) | 0.007628711 |  |
| Standing with assistance |  |  | alpha-1 antitrypsin (6 mo) | 1,005 | -1.29893377 | -0.03033113 | 1.03 (0.9, 1.17) | 0.715857964 |  |
| Walking with assistance |  |  | alpha-1 antitrypsin (6 mo) | 979 | -1.29447283 | -0.03027642 | 0.96 (0.85, 1.1) | 0.578967387 |  |
| Standing alone |  |  | alpha-1 antitrypsin (6 mo) | 997 | -1.30729994 | -0.03033113 | 1.08 (0.95, 1.24) | 0.227503538 |  |
| Walking alone |  |  | alpha-1 antitrypsin (6 mo) | 978 | -1.29531224 | -0.03024907 | 1.1 (0.95, 1.27) | 0.220350551 |  |
| Sitting without support |  |  | myeloperoxidase (6 mo) | 1,002 | 7.40932160 | 8.90052520 | 0.9 (0.53, 1.51) | 0.697488485 |  |
| Hands-and-knees crawling |  |  | myeloperoxidase (6 mo) | 974 | 7.41241724 | 8.90356494 | 0.89 (0.74, 1.06) | 0.192494202 |  |
| Standing with assistance |  |  | myeloperoxidase (6 mo) | 1,006 | 7.40932160 | 8.90356494 | 1.04 (0.92, 1.18) | 0.544294439 |  |
| Walking with assistance |  |  | myeloperoxidase (6 mo) | 980 | 7.40952112 | 8.90256773 | 1.04 (0.89, 1.2) | 0.644681487 |  |
| Standing alone |  |  | myeloperoxidase (6 mo) | 998 | 7.40932160 | 8.90154623 | 1.02 (0.9, 1.15) | 0.822992054 |  |
| Walking alone |  |  | myeloperoxidase (6 mo) | 979 | 7.40942136 | 8.90306634 | 0.97 (0.85, 1.11) | 0.662538586 |  |
| Sitting without support |  |  | neopterin (6 mo) | 1,003 | 7.10361929 | 7.96287391 | 0.58 (0.29, 1.16) | 0.123130574 |  |
| Hands-and-knees crawling |  |  | neopterin (6 mo) | 975 | 7.10620842 | 7.96134175 | 1.01 (0.86, 1.18) | 0.944307783 |  |
| Standing with assistance |  |  | neopterin (6 mo) | 1,007 | 7.10361929 | 7.96134175 | 1.08 (0.97, 1.21) | 0.153170720 |  |
| Walking with assistance |  |  | neopterin (6 mo) | 981 | 7.10519859 | 7.96047056 | 1.01 (0.9, 1.13) | 0.901650707 |  |
| Standing alone |  |  | neopterin (6 mo) | 999 | 7.10763298 | 7.96287391 | 1.08 (0.88, 1.33) | 0.483066793 |  |
| Walking alone |  |  | neopterin (6 mo) | 980 | 7.10440894 | 7.96090616 | 1.51 (1.06, 2.13) | 0.020885612 |  |
| Sitting without support |  |  | lactulose (6 mo) | 1,083 | -2.23836360 | -0.84524327 | 0.17 (0, 139724896194.17) | 0.906051731 |  |
| Hands-and-knees crawling |  |  | lactulose (6 mo) | 1,076 | -2.25007647 | -0.84524327 | 0.9 (0.76, 1.06) | 0.221988620 |  |
| Standing with assistance |  |  | lactulose (6 mo) | 1,083 | -2.25076995 | -0.84524327 | 0.95 (0.84, 1.06) | 0.342228533 |  |
| Walking with assistance |  |  | lactulose (6 mo) | 1,081 | -2.24938299 | -0.84524327 | 1 (0.89, 1.12) | 0.963763019 |  |
| Standing alone |  |  | lactulose (6 mo) | 1,078 | -2.23836360 | -0.84524327 | 1.08 (0.96, 1.22) | 0.224899812 |  |
| Walking alone |  |  | lactulose (6 mo) | 1,083 | -2.23836360 | -0.84524327 | 1.02 (0.89, 1.16) | 0.816159466 |  |
| Sitting without support |  |  | mannitol (6 mo) | 1,083 | -0.06328774 | 1.29483574 | 134.81 (0, 1.11235878732145e+20) | 0.827264691 |  |
| Hands-and-knees crawling |  |  | mannitol (6 mo) | 1,076 | -0.06328774 | 1.29483574 | 0.99 (0.85, 1.15) | 0.884123632 |  |
| Standing with assistance |  |  | mannitol (6 mo) | 1,083 | -0.06328774 | 1.29219892 | 0.97 (0.86, 1.08) | 0.565035943 |  |
| Walking with assistance |  |  | mannitol (6 mo) | 1,081 | -0.06328774 | 1.29408358 | 0.99 (0.88, 1.11) | 0.867825183 |  |
| Standing alone |  |  | mannitol (6 mo) | 1,078 | -0.06328774 | 1.29933351 | 1.09 (0.97, 1.23) | 0.154754922 |  |
| Walking alone |  |  | mannitol (6 mo) | 1,083 | -0.06328774 | 1.29483574 | 1.04 (0.91, 1.19) | 0.551425423 |  |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | | |

Table : EED and Child Development in Kenya

| Outcome Domain | Outcome Subdomain | Exposure | n | Q1 | Q3 | Adj. Diff (95% CI) | Adj. P-value | FDR Corrected P-value |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WHO Motor Milestones (Year 1) |  |  |  |  |  |  |  |  |
|  | Milestones 2,4,5,6 | alpha-1 antitrypsin (6 mo) | 1,001 | -1.30 | -0.04 | 0.04 (-0.04, 0.13) | 0.32 | 0.89 |
| Sum Total | alpha-1 antitrypsin (6 mo) | 1,001 | -1.30 | -0.04 | 0.01 (-0.07, 0.1) | 0.80 | 0.89 |
| Milestones 2,4,5,6 | myeloperoxidase (6 mo) | 1,002 | 7.41 | 8.90 | 0.02 (-0.05, 0.09) | 0.60 | 0.89 |
| Sum Total | myeloperoxidase (6 mo) | 1,002 | 7.41 | 8.90 | 0.01 (-0.07, 0.09) | 0.82 | 0.89 |
| Milestones 2,4,5,6 | neopterin (6 mo) | 1,003 | 7.11 | 7.96 | 0.07 (-0.02, 0.16) | 0.16 | 0.88 |
| Sum Total | neopterin (6 mo) | 1,003 | 7.11 | 7.96 | 0.07 (-0.03, 0.17) | 0.18 | 0.88 |
| Milestones 2,4,5,6 | lactulose (6 mo) | 1,083 | -2.24 | -0.85 | 0.01 (-0.06, 0.08) | 0.71 | 0.89 |
| Sum Total | lactulose (6 mo) | 1,083 | -2.24 | -0.85 | 0.01 (-0.07, 0.08) | 0.89 | 0.89 |
| Milestones 2,4,5,6 | mannitol (6 mo) | 1,083 | -0.06 | 1.29 | 0.02 (-0.05, 0.09) | 0.57 | 0.89 |
| Sum Total | mannitol (6 mo) | 1,083 | -0.06 | 1.29 | 0.02 (-0.06, 0.1) | 0.62 | 0.89 |
| Extended Ages and Stages (Year 2) |  |  |  |  |  |  |  |  |
|  | Communication | alpha-1 antitrypsin (6 mo) | 796 | -1.27 | -0.01 | 0.1 (0.01, 0.19) | 0.03 | 0.62 |
| Motor | alpha-1 antitrypsin (6 mo) | 816 | -1.27 | -0.02 | -0.01 (-0.1, 0.08) | 0.89 | 0.97 |
| Personal Social | alpha-1 antitrypsin (6 mo) | 818 | -1.27 | -0.02 | 0.04 (-0.06, 0.13) | 0.43 | 0.87 |
| Combined | alpha-1 antitrypsin (6 mo) | 816 | -1.27 | -0.02 | 0.06 (-0.03, 0.15) | 0.22 | 0.87 |
| Communication | myeloperoxidase (6 mo) | 797 | 7.46 | 8.96 | -0.02 (-0.11, 0.06) | 0.60 | 0.87 |
| Motor | myeloperoxidase (6 mo) | 817 | 7.45 | 8.95 | 0.01 (-0.07, 0.1) | 0.76 | 0.90 |
| Personal Social | myeloperoxidase (6 mo) | 819 | 7.43 | 8.94 | -0.03 (-0.12, 0.06) | 0.52 | 0.87 |
| Combined | myeloperoxidase (6 mo) | 817 | 7.45 | 8.95 | -0.02 (-0.11, 0.06) | 0.60 | 0.87 |
| Communication | neopterin (6 mo) | 798 | 7.12 | 7.96 | 0.07 (-0.06, 0.2) | 0.29 | 0.87 |
| Motor | neopterin (6 mo) | 818 | 7.12 | 7.96 | 0.03 (-0.09, 0.15) | 0.67 | 0.87 |
| Personal Social | neopterin (6 mo) | 820 | 7.12 | 7.96 | 0.04 (-0.1, 0.18) | 0.59 | 0.87 |
| Combined | neopterin (6 mo) | 818 | 7.12 | 7.96 | 0.07 (-0.06, 0.2) | 0.29 | 0.87 |
| Communication | lactulose (6 mo) | 861 | -2.25 | -0.85 | 0.1 (-0.07, 0.28) | 0.26 | 0.87 |
| Motor | lactulose (6 mo) | 862 | -2.25 | -0.85 | -0.04 (-0.12, 0.03) | 0.28 | 0.87 |
| Personal Social | lactulose (6 mo) | 865 | -2.25 | -0.85 | 0.08 (-0.01, 0.16) | 0.08 | 0.87 |
| Combined | lactulose (6 mo) | 861 | -2.25 | -0.85 | 0.04 (-0.11, 0.19) | 0.59 | 0.87 |
| Communication | mannitol (6 mo) | 861 | -0.05 | 1.31 | 0.06 (-0.02, 0.14) | 0.15 | 0.87 |
| Motor | mannitol (6 mo) | 862 | -0.05 | 1.31 | 0.01 (-0.07, 0.08) | 0.90 | 0.97 |
| Personal Social | mannitol (6 mo) | 865 | -0.05 | 1.31 | 0.15 (0.04, 0.25) | 0.01 | 0.26 |
| Combined | mannitol (6 mo) | 861 | -0.05 | 1.31 | 0.05 (-0.03, 0.13) | 0.20 | 0.87 |
| Communication | alpha-1 antitrypsin (17 mo) | 791 | -1.78 | -0.68 | 0.02 (-0.07, 0.11) | 0.64 | 0.87 |
| Motor | alpha-1 antitrypsin (17 mo) | 777 | -1.80 | -0.68 | 0 (-0.07, 0.07) | 0.97 | 0.98 |
| Personal Social | alpha-1 antitrypsin (17 mo) | 1,010 | -1.79 | -0.68 | 0.06 (-0.05, 0.17) | 0.31 | 0.87 |
| Combined | alpha-1 antitrypsin (17 mo) | 760 | -1.80 | -0.68 | 0.04 (-0.07, 0.15) | 0.46 | 0.87 |
| Communication | myeloperoxidase (17 mo) | 791 | 6.52 | 7.90 | 0.04 (-0.11, 0.18) | 0.64 | 0.87 |
| Motor | myeloperoxidase (17 mo) | 777 | 6.52 | 7.90 | 0 (-0.08, 0.08) | 0.96 | 0.98 |
| Personal Social | myeloperoxidase (17 mo) | 1,008 | 6.53 | 7.87 | 0.06 (-0.01, 0.14) | 0.11 | 0.87 |
| Combined | myeloperoxidase (17 mo) | 760 | 6.54 | 7.90 | 0.06 (-0.03, 0.14) | 0.18 | 0.87 |
| Communication | neopterin (17 mo) | 791 | 5.25 | 6.95 | 0.02 (-0.07, 0.12) | 0.62 | 0.87 |
| Motor | neopterin (17 mo) | 777 | 5.25 | 6.94 | 0.04 (-0.07, 0.15) | 0.48 | 0.87 |
| Personal Social | neopterin (17 mo) | 1,011 | 5.26 | 6.95 | 0.02 (-0.07, 0.11) | 0.63 | 0.87 |
| Combined | neopterin (17 mo) | 760 | 5.25 | 6.94 | 0.02 (-0.08, 0.12) | 0.71 | 0.88 |
| Communication | lactulose (17 mo) | 831 | -2.68 | -0.98 | 0 (-0.15, 0.16) | 0.98 | 0.98 |
| Motor | lactulose (17 mo) | 831 | -2.68 | -0.98 | -0.01 (-0.08, 0.05) | 0.67 | 0.87 |
| Personal Social | lactulose (17 mo) | 1,078 | -2.77 | -0.93 | 0.02 (-0.07, 0.11) | 0.72 | 0.88 |
| Combined | lactulose (17 mo) | 831 | -2.68 | -0.98 | 0.04 (-0.08, 0.15) | 0.52 | 0.87 |
| Communication | mannitol (17 mo) | 831 | -0.42 | 1.18 | 0.05 (-0.05, 0.14) | 0.34 | 0.87 |
| Motor | mannitol (17 mo) | 831 | -0.42 | 1.18 | 0.01 (-0.07, 0.08) | 0.87 | 0.97 |
| Personal Social | mannitol (17 mo) | 1,078 | -0.42 | 1.24 | -0.02 (-0.09, 0.05) | 0.61 | 0.87 |
| Combined | mannitol (17 mo) | 831 | -0.42 | 1.18 | 0.03 (-0.08, 0.13) | 0.63 | 0.87 |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | |