**Supplemental Table A: Prevalence and mean VAS scores of assessed children classified by Special School**

|  |  |  |  |
| --- | --- | --- | --- |
| Name of the school | Frequency | Percent | Mean VAS\* |
| A. Schweitzerschool | 76 | 11,8 | 69.1 (8.4) |
| Coronelschool | 86 | 13,4 | 73.0 (6.2) |
| W.B. Noteboomschool | 68 | 10,6 | 69.5 (6.2) |
| Reconvalescentenschool | 39 | 6,1 | 66.8 (12.6) |
| Schutte's Bosschool | 108 | 16,8 | 69.2 (7.3) |
| Groninger Buitenschool | 47 | 7,3 | 61.2 (8.6) |
| Openlucht school Rotterdam | 39 | 6,1 | 79.6 (1.8) |
| Openlucht school Breda | 109 | 17,0 | 81.9 (11.1) |
| De Schaus | 70 | 10,9 | 81.0 (13.5) |
| Total | 642 | 100,0 | 73.1 (11.1) |

\* VAS = Visual Analogue Scale, schools differed significantly F(8,619)=39.0, p<0.001

**Supplemental Table B: Malnutrition classified by diagnosis**

|  |  |  |  |
| --- | --- | --- | --- |
| Diagnosis | Acute malnutrition (%) | Chronic malnutrition (%) | Overall malnutrition (%) |
| Neurologic (n=150)Respiratory (n=101)Endocrine (n=60)Cardiac (n=32)Metabolic (n=28)Gastro-intestinal (n=27)Renal (n=20)Oncologic (n=12)Multiple-diagnostic groups (n=77)Others (n=73)None (n=17)Syndromal (n=45) | 4,01,00,03,17,1 a3,70,00,05,24,15,90,0 | 15,3 11,911,718,828,6 b14,820,016,711,76,8 11,813,3 | 18,0 12,911,721,935,7 c14,820,016,715,69,6 17,613,3 |

Acute malnutrition: weight-for-height < -2 SD; chronic malnutrition height-for-age < -2 SD; overall malnutrition: acute and/or chronic malnutrition.

*a = highest % acute malnutrition, not significant*

*b = highest % chronic malnutrition, sign. higher than respiratory and others (p<0,05)*

*c = highest % overall malnutrition, sign. higher than respiratory, neurologic, syndromal, endocrine, others and multiple (p<0,05).*

**Supplemental Table C: Prevalence of malnutrition classified by STRONGkids risk group**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Low risk | Moderate risk | High risk |
| Acute malnutrition (%) a, bChronic malnutrition (%) aOverall malnutrition (%) a, b | 1,110,811,1 | 5,317,622,1 | 14,328,642,9 |

*a Significant difference between the low and moderate risk group.*

*b Significant difference between the low and high risk group.*