**Plausibility check for:**

**Standard/Reference used for z-score calculation: WHO standards 2006**

(If it is not mentioned, flagged data is included in the evaluation. Some parts of this plausibility report are more for advanced users and can be skipped for a standard evaluation)

**Overall data quality**

Criteria Flags\* Unit Excel. Good Accept Problematic **Score**

Flagged data Incl % 0-2.5 >2.5-5.0 >5.0-7.5 >7.5

(% of out of range subjects) 0 5 10 20 **0** (1.7 %)

Overall Sex ratio Incl p >0.1 >0.05 >0.001 <=0.001

(Significant chi square) 0 2 4 10 **0** (p=0.166)

Age ratio(6-29 vs 30-59) Incl p >0.1 >0.05 >0.001 <=0.001

(Significant chi square) 0 2 4 10 **0** (p=0.580)

Dig pref score - weight Incl # 0-7 8-12 13-20 > 20

0 2 4 10 **0** (4)

Dig pref score - height Incl # 0-7 8-12 13-20 > 20

0 2 4 10 **2** (8)

Dig pref score - MUAC Incl # 0-7 8-12 13-20 > 20

0 2 4 10 **0** (5)

Standard Dev WHZ Excl SD <1.1 <1.15 <1.20 >=1.20

. and and and or

. Excl SD >0.9 >0.85 >0.80 <=0.80

0 5 10 20 **0** (1.04)

Skewness WHZ Excl # <±0.2 <±0.4 <±0.6 >=±0.6

0 1 3 5 **0** (-0.09)

Kurtosis WHZ Excl # <±0.2 <±0.4 <±0.6 >=±0.6

0 1 3 5 **0** (0.16)

Poisson dist WHZ-2 Excl p >0.05 >0.01 >0.001 <=0.001

0 1 3 5 **5** (p=0.000)

OVERALL SCORE WHZ = 0-9 10-14 15-24 >25 **7** %

The overall score of this survey is 7 %, this is excellent.

**There were no duplicate entries detected.**

**Percentage of children with no exact birthday: 66 %**

**Age/Height out of range for WHZ:**

MONTHS:

Line=17/ID=3: 5.00 mo

Line=18/ID=3: 5.00 mo

Line=19/ID=6: 2.00 mo

Line=31/ID=3: 5.00 mo

Line=32/ID=3: 1.00 mo

Line=47/ID=3: 5.19 mo

Line=48/ID=2: 2.40 mo

Line=49/ID=3: 0.79 mo

Line=58/ID=3: 3.22 mo

Line=77/ID=3: 3.78 mo

Line=107/ID=3: 5.26 mo

Line=118/ID=3: 0.00 mo

Line=140/ID=3: 5.00 mo

Line=141/ID=3: 3.00 mo

Line=160/ID=2: 5.00 mo

Line=188/ID=3: 3.00 mo

Line=189/ID=3: 3.00 mo

Line=190/ID=3: 3.00 mo

Line=191/ID=3: 2.00 mo

Line=226/ID=3: 1.00 mo

Line=237/ID=3: 1.31 mo

Line=251/ID=3: 4.00 mo

Line=252/ID=3: 0.53 mo

Line=270/ID=3: 1.51 mo

Line=271/ID=2: 1.00 mo

Line=288/ID=3: 5.09 mo

Line=300/ID=3: 5.00 mo

Line=301/ID=4: 2.00 mo

Line=322/ID=3: 5.00 mo

Line=346/ID=3: 5.45 mo

Line=347/ID=3: 3.06 mo

Line=358/ID=2: 5.00 mo

Line=370/ID=3: 5.00 mo

Line=371/ID=2: 4.00 mo

Line=372/ID=3: 1.00 mo

Line=373/ID=2: 1.00 mo

Line=374/ID=2: 1.00 mo

Line=375/ID=3: 1.00 mo

Line=376/ID=3: 0.00 mo

Line=401/ID=3: 5.00 mo

Line=402/ID=2: 0.00 mo

Line=451/ID=2: 5.00 mo

Line=452/ID=12: 3.00 mo

Line=453/ID=3: 0.00 mo

Line=464/ID=3: 2.46 mo

Line=482/ID=2: 4.01 mo

Line=483/ID=3: 1.91 mo

Line=504/ID=3: 2.30 mo

Line=517/ID=3: 1.00 mo

HEIGHT:

Line=372/ID=3: 45.80 cm

Line=374/ID=2: 43.90 cm

**Anthropometric Indices likely to be in error (-3 to 3 for WHZ, -3 to 3 for HAZ, -3 to 3 for WAZ, from observed mean - chosen in Options panel - these values will be flagged and should be excluded from analysis for a nutrition survey in emergencies. For other surveys this might not be the best procedure e.g. when the percentage of overweight children has to be calculated):**

Line=5/ID=3: HAZ (-4.661), WAZ (-5.076), Age may be incorrect

Line=17/ID=3: **WHZ (-4.389)**, WAZ (-4.443), Weight may be incorrect

Line=23/ID=4: HAZ (-4.485), Age may be incorrect

Line=30/ID=3: **WHZ (2.517)**, Weight may be incorrect

Line=112/ID=4: HAZ (2.672), Age may be incorrect

Line=125/ID=3: HAZ (-4.830), Age may be incorrect

Line=141/ID=3: HAZ (2.445), Age may be incorrect

Line=169/ID=3: HAZ (1.857), Height may be incorrect

Line=174/ID=3: HAZ (1.837), Age may be incorrect

Line=175/ID=3: HAZ (2.872), Height may be incorrect

Line=180/ID=3: HAZ (2.361), Height may be incorrect

Line=189/ID=3: **WHZ (2.944)**, Weight may be incorrect

Line=203/ID=4: HAZ (1.773), Age may be incorrect

Line=205/ID=4: HAZ (3.006), Age may be incorrect

Line=209/ID=4: HAZ (3.519), Age may be incorrect

Line=226/ID=3: **WHZ (2.670)**, Weight may be incorrect

Line=263/ID=3: **WHZ (-4.128)**, Height may be incorrect

Line=265/ID=3: **WHZ (-4.034)**, WAZ (-4.459), Weight may be incorrect

Line=271/ID=2: HAZ (2.588), Age may be incorrect

Line=286/ID=3: **WHZ (-4.384)**, Weight may be incorrect

Line=295/ID=3: HAZ (1.821), Age may be incorrect

Line=321/ID=8: HAZ (2.459), Height may be incorrect

Line=330/ID=4: HAZ (-4.527), Height may be incorrect

Line=340/ID=3: HAZ (-5.161), Age may be incorrect

Line=347/ID=3: **WHZ (-3.984)**, WAZ (-4.314), Weight may be incorrect

Line=372/ID=3: HAZ (-4.556), Height may be incorrect

Line=374/ID=2: HAZ (-5.533), Height may be incorrect

Line=452/ID=12: **WHZ (2.457)**, Weight may be incorrect

Line=510/ID=3: HAZ (-4.825), Age may be incorrect

Percentage of values flagged with SMART flags:WHZ: 1.7 %, HAZ: 3.9 %, WAZ: 0.8 %

**Age distribution:**

Month 1 : ###########

Month 2 : ########

Month 3 : #######

Month 4 : ####

Month 5 : ###############

Month 6 : #####

Month 7 : ###########

Month 8 : ###########

Month 9 : #####

Month 10 : #########

Month 11 : ##########

Month 12 : #####

Month 13 : #########

Month 14 : ##############

Month 15 : #####

Month 16 : ########

Month 17 : ########

Month 18 : ####################

Month 19 : ######

Month 20 : ######

Month 21 : ########

Month 22 : #######

Month 23 : #########

Month 24 : #####

Month 25 : ###############

Month 26 : #################

Month 27 : #############

Month 28 : ######

Month 29 : ######

Month 30 : ####################

Month 31 : ########

Month 32 : ###########

Month 33 : #######

Month 34 : ######

Month 35 : #######

Month 36 : #########

Month 37 : ####################

Month 38 : ###########

Month 39 : #################

Month 40 : ############

Month 41 : #############

Month 42 : ###############

Month 43 : #

Month 44 : ###

Month 45 : ###########

Month 46 : ###

Month 47 : #########

Month 48 : ######

Month 49 : ##########

Month 50 : ###########

Month 51 : ######

Month 52 : ###

Month 53 : ##

Month 54 : ####

Month 55 : #####

Month 56 : #######

Month 57 : ####

Month 58 : ######

Month 59 : ##

Month 60 : #

Age ratio of 6-29 months to 30-59 months: 0.89 (The value should be around 0.85).:

p-value = 0.580 (as expected)

**Statistical evaluation of sex and age ratios (using Chi squared statistic):**

Age cat. mo. boys girls total ratio boys/girls

-------------------------------------------------------------------------------------

6 to 17 12 47/50.9 (0.9) 55/57.9 (0.9) 102/108.8 (0.9) 0.85

18 to 29 12 58/49.1 (1.2) 61/55.9 (1.1) 119/105.0 (1.1) 0.95

30 to 41 12 63/48.1 (1.3) 78/54.7 (1.4) 141/102.9 (1.4) 0.81

42 to 53 12 37/47.4 (0.8) 41/53.9 (0.8) 78/101.2 (0.8) 0.90

54 to 59 6 14/23.4 (0.6) 14/26.6 (0.5) 28/50.1 (0.6) 1.00

-------------------------------------------------------------------------------------

6 to 59 54 219/234.0 (0.9) 249/234.0 (1.1) 0.88

The data are expressed as observed number/expected number (ratio of obs/expect)

Overall sex ratio: p-value = 0.166 (boys and girls equally represented)

Overall age distribution: p-value = 0.000 (significant difference)

Overall age distribution for boys: p-value = 0.014 (significant difference)

Overall age distribution for girls: p-value = 0.001 (significant difference)

Overall sex/age distribution: p-value = 0.000 (significant difference)

**Distribution of month of birth**

Jan: ###########################

Feb: ##########################################

Mar: #################################

Apr: ################################################################

May: #######################################

Jun: ######################################

Jul: ############################################

Aug: #############################################################

Sep: #########################################################

Oct: #############################################

Nov: #################################

Dec: ##################################

**Digit preference Weight:**

Digit .0 : ##################################################

Digit .1 : #############################################

Digit .2 : ###############################################

Digit .3 : #########################################################

Digit .4 : ########################################################

Digit .5 : ###############################################

Digit .6 : ######################################################

Digit .7 : #########################################

Digit .8 : #############################################################

Digit .9 : ###########################################################

Digit preference score: **4** (0-7 excellent, 8-12 good, 13-20 acceptable and > 20 problematic)

p-value for chi2: 0.565

**Digit preference Height:**

Digit .0 : #######################################

Digit .1 : ######################

Digit .2 : ############################

Digit .3 : ############################

Digit .4 : #########################

Digit .5 : ################################

Digit .6 : ##################

Digit .7 : ######################

Digit .8 : ####################

Digit .9 : ########################

Digit preference score: **8** (0-7 excellent, 8-12 good, 13-20 acceptable and > 20 problematic)

p-value for chi2: 0.002 (significant difference)

**Digit preference MUAC:**

Digit .0 : ####################################################

Digit .1 : ##################################################

Digit .2 : #########################################################

Digit .3 : ####################################################

Digit .4 : #####################################

Digit .5 : #################################

Digit .6 : ########################################

Digit .7 : #################################################

Digit .8 : ############################################

Digit .9 : ######################################################

Digit preference score: **5** (0-7 excellent, 8-12 good, 13-20 acceptable and > 20 problematic)

p-value for chi2: 0.209

**Evaluation of Standard deviation, Normal distribution, Skewness and Kurtosis using the 3 exclusion (Flag) procedures**

**. no exclusion exclusion from exclusion from**

**. reference mean observed mean**

**. (WHO flags) (SMART flags)**

**WHZ**

Standard Deviation SD: 1.13 1.13 1.04

(The SD should be between 0.8 and 1.2)

Prevalence (< -2)

observed: 11.0% 11.0% 10.3%

calculated with current SD: 12.9% 12.9% 10.9%

calculated with a SD of 1: 10.1% 10.1% 10.0%

**HAZ**

Standard Deviation SD: 1.37 1.37 1.18

(The SD should be between 0.8 and 1.2)

Prevalence (< -2)

observed: 32.1% 32.1% 31.8%

calculated with current SD: 33.6% 33.6% 32.4%

calculated with a SD of 1: 28.1% 28.1% 29.4%

**WAZ**

Standard Deviation SD: 1.16 1.16 1.13

(The SD should be between 0.8 and 1.2)

Prevalence (< -2)

observed: 25.9% 25.9% 25.3%

calculated with current SD: 27.4% 27.4% 26.1%

calculated with a SD of 1: 24.3% 24.3% 23.5%

**Results for Shapiro-Wilk test for normally (Gaussian) distributed data:**

WHZ p= 0.002 p= 0.002 p= 0.189

HAZ p= 0.007 p= 0.007 p= 0.054

WAZ p= 0.016 p= 0.016 p= 0.064

(If p < 0.05 then the data are not normally distributed. If p > 0.05 you can consider the data normally distributed)

**Skewness**

WHZ -0.12 -0.12 -0.09

HAZ 0.26 0.26 0.03

WAZ -0.28 -0.28 -0.17

If the value is:

-below minus 0.4 there is a relative excess of wasted/stunted/underweight subjects in the sample

-between minus 0.4 and minus 0.2, there may be a relative excess of wasted/stunted/underweight subjects in the sample.

-between minus 0.2 and plus 0.2, the distribution can be considered as symmetrical.

-between 0.2 and 0.4, there may be an excess of obese/tall/overweight subjects in the sample.

-above 0.4, there is an excess of obese/tall/overweight subjects in the sample

**Kurtosis**

WHZ 0.79 0.79 0.16

HAZ 0.63 0.63 -0.41

WAZ 0.08 0.08 -0.10

Kurtosis characterizes the relative size of the body versus the tails of the distribution. Positive kurtosis indicates relatively large tails and small body. Negative kurtosis indicates relatively large body and small tails.

If the absolute value is:

-above 0.4 it indicates a problem. There might have been a problem with data collection or sampling.

-between 0.2 and 0.4, the data may be affected with a problem.

-less than an absolute value of 0.2 the distribution can be considered as normal.

**Test if cases are randomly distributed or aggregated over the clusters by calculation of the Index of Dispersion (ID) and comparison with the Poisson distribution for:**

WHZ < -2: ID=2.31 (p=0.000)

WHZ < -3: ID=2.34 (p=0.000)

GAM: ID=2.31 (p=0.000)

SAM: ID=2.34 (p=0.000)

HAZ < -2: ID=2.45 (p=0.000)

HAZ < -3: ID=1.46 (p=0.051)

WAZ < -2: ID=2.20 (p=0.000)

WAZ < -3: ID=2.90 (p=0.000)

Subjects with SMART flags are excluded from this analysis.

The Index of Dispersion (ID) indicates the degree to which the cases are aggregated into certain clusters (the degree to which there are "pockets"). If the ID is less than 1 and p > 0.95 it indicates that the cases are UNIFORMLY distributed among the clusters. If the p value is between 0.05 and 0.95 the cases appear to be randomly distributed among the clusters, if ID is higher than 1 and p is less than 0.05 the cases are aggregated into certain cluster (there appear to be pockets of cases). If this is the case for Oedema but not for WHZ then aggregation of GAM and SAM cases is likely due to inclusion of oedematous cases in GAM and SAM estimates.

**Are the data of the same quality at the beginning and the end of the clusters?**

Evaluation of the SD for WHZ depending upon the order the cases are measured within each cluster (if one cluster per day is measured then this will be related to the time of the day the measurement is made).

Time SD for WHZ

point 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3

01: 1.21 (n=30, f=1) #################

02: 1.22 (n=30, f=1) ##################

03: 1.18 (n=29, f=2) ################

04: 0.99 (n=30, f=0) ########

05: 1.19 (n=30, f=0) ################

06: 0.98 (n=30, f=0) #######

07: 0.92 (n=29, f=0) #####

08: 1.00 (n=28, f=0) ########

09: 1.34 (n=28, f=0) #######################

10: 1.37 (n=27, f=1) ########################

11: 1.17 (n=27, f=0) ################

12: 1.12 (n=22, f=0) #############

13: 1.28 (n=22, f=1) ####################

14: 1.10 (n=19, f=1) ############

15: 0.67 (n=19, f=0)

16: 1.38 (n=17, f=1) ########################

17: 1.39 (n=17, f=0) #########################

18: 0.94 (n=15, f=0) ######

19: 0.95 (n=14, f=0) ######

20: 0.75 (n=08, f=0)

21: 1.39 (n=08, f=0) OOOOOOOOOOOOOOOOOOOOOOOOO

22: 1.02 (n=07, f=0) OOOOOOOOO

23: 1.36 (n=07, f=1) OOOOOOOOOOOOOOOOOOOOOOOO

24: 0.63 (n=06, f=0)

25: 0.87 (n=05, f=0) ~~~

26: 1.93 (n=04, f=0) ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

27: 1.08 (n=03, f=0) ~~~~~~~~~~~~

28: 0.03 (n=02, f=0)

(when n is much less than the average number of subjects per cluster different symbols are used: 0 for n < 80% and ~ for n < 40%; The numbers marked "f" are the numbers of SMART flags found in the different time points)

**Analysis by Team**

**Team 1 2 8**

n = 324 174 19

**Percentage of values flagged with SMART flags:**

WHZ: 1.2 3.4 0.0

HAZ: 1.9 7.5 5.3

WAZ: 0.3 1.7 0.0

**Age ratio of 6-29 months to 30-59 months:**

0.87 0.90 1.43

**Sex ratio (male/female):**

0.93 0.96 0.36

**Digit preference Weight (%):**

.0 : 9 11 5

.1 : 9 9 5

.2 : 9 9 16

.3 : 10 11 21

.4 : 10 12 5

.5 : 10 7 11

.6 : 11 10 11

.7 : 7 11 0

.8 : 13 10 11

.9 : 12 10 16

DPS: 5 5 20

Digit preference score (0-7 excellent, 8-12 good, 13-20 acceptable and > 20 problematic)

**Digit preference Height (%):**

.0 : 14 18 11

.1 : 10 6 11

.2 : 12 9 5

.3 : 10 13 5

.4 : 9 10 21

.5 : 11 14 16

.6 : 8 4 16

.7 : 10 7 0

.8 : 9 6 11

.9 : 7 13 5

DPS: 6 14 20

Digit preference score (0-7 excellent, 8-12 good, 13-20 acceptable and > 20 problematic)

**Digit preference MUAC (%):**

.0 : 10 15 0

.1 : 11 8 24

.2 : 13 11 18

.3 : 14 5 18

.4 : 7 9 18

.5 : 8 7 0

.6 : 7 11 12

.7 : 9 15 0

.8 : 10 9 12

.9 : 12 11 0

DPS: 8 10 29

Digit preference score (0-7 excellent, 8-12 good, 13-20 acceptable and > 20 problematic)

**Standard deviation of WHZ:**

SD 1.03 1.27 1.17

Prevalence (< -2) observed:

% 7.7 18.4 0.0

Prevalence (< -2) calculated with current SD:

% 9.5 19.0 9.6

Prevalence (< -2) calculated with a SD of 1:

% 8.9 13.2 6.4

**Standard deviation of HAZ:**

SD 1.22 1.57 1.26

observed:

% 34.0 27.6 42.1

calculated with current SD:

% 35.5 28.4 56.3

calculated with a SD of 1:

% 32.5 18.5 57.9

**Statistical evaluation of sex and age ratios (using Chi squared statistic) for:**

**Team 1:**

Age cat. mo. boys girls total ratio boys/girls

-------------------------------------------------------------------------------------

6 to 17 12 28/32.8 (0.9) 34/35.3 (1.0) 62/68.1 (0.9) 0.82

18 to 29 12 39/31.6 (1.2) 35/34.1 (1.0) 74/65.8 (1.1) 1.11

30 to 41 12 41/31.0 (1.3) 48/33.4 (1.4) 89/64.4 (1.4) 0.85

42 to 53 12 25/30.5 (0.8) 27/32.9 (0.8) 52/63.4 (0.8) 0.93

54 to 59 6 8/15.1 (0.5) 8/16.3 (0.5) 16/31.3 (0.5) 1.00

-------------------------------------------------------------------------------------

6 to 59 54 141/146.5 (1.0) 152/146.5 (1.0) 0.93

The data are expressed as observed number/expected number (ratio of obs/expect)

Overall sex ratio: p-value = 0.520 (boys and girls equally represented)

Overall age distribution: p-value = 0.000 (significant difference)

Overall age distribution for boys: p-value = 0.041 (significant difference)

Overall age distribution for girls: p-value = 0.020 (significant difference)

Overall sex/age distribution: p-value = 0.000 (significant difference)

**Team 2:**

Age cat. mo. boys girls total ratio boys/girls

-------------------------------------------------------------------------------------

6 to 17 12 19/17.4 (1.1) 16/19.3 (0.8) 35/36.7 (1.0) 1.19

18 to 29 12 17/16.8 (1.0) 23/18.6 (1.2) 40/35.5 (1.1) 0.74

30 to 41 12 21/16.5 (1.3) 25/18.2 (1.4) 46/34.7 (1.3) 0.84

42 to 53 12 12/16.2 (0.7) 13/18.0 (0.7) 25/34.2 (0.7) 0.92

54 to 59 6 6/8.0 (0.7) 6/8.9 (0.7) 12/16.9 (0.7) 1.00

-------------------------------------------------------------------------------------

6 to 59 54 75/79.0 (0.9) 83/79.0 (1.1) 0.90

The data are expressed as observed number/expected number (ratio of obs/expect)

Overall sex ratio: p-value = 0.525 (boys and girls equally represented)

Overall age distribution: p-value = 0.084 (as expected)

Overall age distribution for boys: p-value = 0.560 (as expected)

Overall age distribution for girls: p-value = 0.171 (as expected)

Overall sex/age distribution: p-value = 0.041 (significant difference)

**Team 3:**

Age cat. mo. boys girls total ratio boys/girls

-------------------------------------------------------------------------------------

6 to 17 12 0/0.7 (0.0) 5/3.3 (1.5) 5/4.0 (1.3) 0.00

18 to 29 12 2/0.7 (3.0) 3/3.1 (1.0) 5/3.8 (1.3) 0.67

30 to 41 12 1/0.7 (1.5) 5/3.1 (1.6) 6/3.7 (1.6) 0.20

42 to 53 12 0/0.6 (0.0) 1/3.0 (0.3) 1/3.7 (0.3) 0.00

54 to 59 6 0/0.3 (0.0) 0/1.5 (0.0) 0/1.8 (0.0)

-------------------------------------------------------------------------------------

6 to 59 54 3/8.5 (0.4) 14/8.5 (1.6) 0.21

The data are expressed as observed number/expected number (ratio of obs/expect)

Overall sex ratio: p-value = 0.008 (significant excess of girls)

Overall age distribution: p-value = 0.216 (as expected)

Overall age distribution for boys: p-value = 0.348 (as expected)

Overall age distribution for girls: p-value = 0.287 (as expected)

Overall sex/age distribution: p-value = 0.002 (significant difference)

**Evaluation of the SD for WHZ depending upon the order the cases are measured within each cluster (if one cluster per day is measured then this will be related to the time of the day the measurement is made).**

**Team: 1**

Time SD for WHZ

point 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3

01: 0.90 (n=19, f=0) ####

02: 0.95 (n=19, f=0) ######

03: 0.79 (n=18, f=0)

04: 0.79 (n=19, f=0)

05: 1.21 (n=19, f=0) #################

06: 0.78 (n=19, f=0)

07: 0.74 (n=19, f=0)

08: 0.95 (n=19, f=0) ######

09: 1.32 (n=19, f=0) ######################

10: 1.48 (n=18, f=1) #############################

11: 1.06 (n=18, f=0) ###########

12: 1.21 (n=13, f=0) #################

13: 1.56 (n=13, f=1) ################################

14: 0.65 (n=13, f=0)

15: 0.64 (n=13, f=0)

16: 0.75 (n=11, f=0)

17: 1.13 (n=11, f=0) ##############

18: 0.87 (n=10, f=0) ###

19: 0.82 (n=09, f=0) O

20: 0.25 (n=04, f=0)

21: 1.79 (n=04, f=0) ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

22: 1.22 (n=04, f=0) ~~~~~~~~~~~~~~~~~~

23: 1.86 (n=04, f=1) ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

24: 0.62 (n=03, f=0)

25: 0.36 (n=02, f=0)

26: 2.33 (n=02, f=0) ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

(when n is much less than the average number of subjects per cluster different symbols are used: 0 for n < 80% and ~ for n < 40%; The numbers marked "f" are the numbers of SMART flags found in the different time points)

**Team: 2**

Time SD for WHZ

point 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3

01: 1.69 (n=09, f=1) #####################################

02: 1.74 (n=09, f=1) ########################################

03: 1.86 (n=09, f=2) ############################################

04: 1.23 (n=09, f=0) ##################

05: 1.30 (n=09, f=0) #####################

06: 1.32 (n=09, f=0) ######################

07: 1.27 (n=09, f=0) ####################

08: 0.79 (n=08, f=0)

09: 1.56 (n=08, f=0) ################################

10: 1.01 (n=08, f=0) #########

11: 1.40 (n=08, f=0) #########################

12: 0.92 (n=08, f=0) #####

13: 0.81 (n=08, f=0) #

14: 1.67 (n=06, f=1) #####################################

15: 0.74 (n=06, f=0)

16: 2.23 (n=06, f=1) ############################################################

17: 1.75 (n=06, f=0) ########################################

18: 0.87 (n=05, f=0) ###

19: 1.18 (n=05, f=0) ################

20: 1.07 (n=04, f=0) OOOOOOOOOOO

21: 1.11 (n=04, f=0) OOOOOOOOOOOOO

22: 0.90 (n=03, f=0) OOOO

23: 0.55 (n=03, f=0)

24: 0.57 (n=03, f=0)

25: 0.87 (n=03, f=0) OOO

26: 2.24 (n=02, f=0) ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

27: 0.14 (n=02, f=0)

28: 0.03 (n=02, f=0)

(when n is much less than the average number of subjects per cluster different symbols are used: 0 for n < 80% and ~ for n < 40%; The numbers marked "f" are the numbers of SMART flags found in the different time points)

**Team: 3**

Time SD for WHZ

point 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3

01: 1.90 (n=02, f=0) ##############################################

02: 0.75 (n=02, f=0)

03: 0.60 (n=02, f=0)

04: 0.56 (n=02, f=0)

05: 0.52 (n=02, f=0)

06: 0.14 (n=02, f=0)

(when n is much less than the average number of subjects per cluster different symbols are used: 0 for n < 80% and ~ for n < 40%; The numbers marked "f" are the numbers of SMART flags found in the different time points)

(for better comparison it can be helpful to copy/paste part of this report into Excel)