Supplementary Table S.1. Comparison of the dataset with observed data and the dataset with imputed values (20 multiple imputations) for selected variables for girls and boys of the Fit Futures cohort at birth and four ages up to 18-20 years, The Tromsø Study, Fit Futures

Characteristics	Girls				Boys			
	Observed data [1]		Imputed data [2]		Observed data [1]		Imputed data [2]	
	Mean/n	(SD)/%	Mean/n	(SD)/%	Mean/n	(SD)/%	Mean/n	(SD)/%
Birth								
Birthweight (grams)	3454.8	(576.7)	3450.5	(574.8)	3601.0	(590.0)	3603.0	(586.7)
Birth length (cm)	49.4	(2.3)	49.3	(2.4)	50.2	(2.3)	50.1	(2.3)
Gestational age (weeks)	39.7	(1.8)	39.8	(1.8)	39.6	(2.1)	39.6	(2.1)
Ponderal index (kg/m³)	28.73	(2.81)	28.65	(2.88)	28.45	(2.75)	28.40	(2.78)
Body mass index (kg/m²)	14.19	(1.49)	14.12	(1.55)	14.28	(1.52)	14.24	(1.54)
Birthweight SDS [3]	-0.58	(1.74)	-0.58	(1.73)	-0.24	(1.32)	-0.24	(1.31)
Body mass index SDS [3]	0.06	(1.05)	0.01	(1.12)	-0.02	(1.04)	-0.46	(1.06)
Birthweight group:								
Low birthweight (<2500 g)	20	4.5 %	22	5.0 %	17	3.6 %	17	4.0 %
Normal birthweight (2500-4500 g)	412	93 %	436	93.0 %	423	90.0 %	444	90.0 %
High birthweight (≥4500 g)	11	2.5 %	11.5	2.0 %	30	6.4 %	31	6.0 %
Small for gestational age	49	11.1%	64	13.5 %	46	9.8%	53	10.8 %
Appropriate for gestational age	356	80.4%	361	77.1 %	375	79.8%	385	78.3 %
Large for gestational age	38	8.6%	44	9.4 %	49	10.4%	54	10.9 %
Maternal age at birth	28.4	(5.3)	28.4	(5.3)	28.1	(5.3)	28.1	(5.3)
2-4 years of age								
Age (years)	2.6	(0.4)	2.5	(0.3)	2.6	(0.4)	2.6	(0.3)
Height (cm)	91.2	(4.6)	91.0	(4.4)	92.7	(4.7)	92.7	(4.4)
Weight (kg)	13.5	(1.7)	13.4	(1.6)	14.1	(1.8)	14.1	(1.7)
Body mass index (kg/m²)	16.17	(1.39)	16.17	(1.38)	16.37	(1.30)	16.36	(1.31)
Weight SDS [1]	-0.12	(1.11)	-0.13	(1.12)	0.16	(1.16)	0.17	(1.15)
Body mass index SDS [3]	0.04	(1.17)	0.03	(1.17)	-0.07	(1.07)	-0.08	(1.09)
5-7 years of age								
Age (years)	6.0	(0.4)	6.0	(0.4)	6.1	(0.4)	6.1	(0.4)
Height (cm)	116.7	(5.3)	116.4	(5.1)	118.3	(5.3)	118.2	(5.2)
Weight (kg)	21.8	(3.8)	21.6	(3.5)	22.2	(3.5)	22.1	(3.3)
Body mass index (kg/m²)	15.96	(2.04)	15.88	(1.94)	15.82	(1.74)	15.81	(1.72)
Weight SDS [1]	0.0004	(1.10)	-0.05	(1.05)	0.11	(1.02)	0.11	(0.99)
Body mass index SDS [3]	-0.06	(1.10)	-0,10	(1.09)	-0.03	(0.98)	-0.03	(1.00)
15-17 years of age								
Age (years)	16.6	(0.4)	-	-	16.6	(0.4)	-	-
Height (cm)	164.9	(6.5)	164.9	(6.5)	176.9	(6.7)	-	-
Weight (kg)	60.9	(11.5)	60.9	(11.4)	70.2	(14.4)	-	-
Body mass index (kg/m²)	22.39	(3.96)	22,39	(3.95)	22.38	(4.17)	-	-
18-20 years of age			No imputed values					
Age (years)	18.6	(0.4)	-	-	18.7	(0.3)	-	-
Height (cm)	165.7	(6.5)	-	-	179.1	(6.5)	-	-
Weight (kg)	63.2	(12.0)	-	-	75.2	(14.6)	-	-
Body mass index (kg/m²)	23.02	(4.22)	-	-	23.42	(4.18)	-	-

[1] In observed data n is varying from 659-961 (328-469 girls and 296-492 boys)
[2] Dataset with 20 imputations n= 961(469 girls and 492 boys) in each imputations.
[3] SDS= Standard deviation scores according to Norwegian reference data.[23]
SD = Standard deviation
- = No imputed values, mean and SD are equal to the observed data.