

Appendix A. Sample characteristics; stratified by gender and period of observation.

	Women					Men				
	2016 and prior	2017	2018	2019	2020	2016 and prior	2017	2018	2019	2020
Mean age ^a (Standard deviation)	44.4 (12.0)	44.1 (12.6)	44.3 (12.8)	44.6 (12.6)	45.4 (12.4)	46.2 (11.7)	46.5 (12.0)	46.6 (12.3)	47.5 (12.0)	48.3 (11.9)
Lives with partner	79.2%	67.3%	64.8%	67.2%	68.4%	81.7%	71.1%	67.0%	68.9%	68.1%
Primary activity status:										
In paid employment	52.8%	63.6%	64.8%	65.2%	66.7%	76.9%	81.5%	79.5%	80.8%	79.2%
Unemployed	2.7%	2.4%	1.8%	2.1%	2.7%	2.7%	3.3%	2.5%	2.5%	3.8%
Student	7.6%	5.5%	6.7%	6.2%	4.4%	2.8%	3.8%	5.9%	4.5%	3.8%
Homemaker	22.9%	13.0%	11.8%	12.2%	12.1%	1.2%	0.9%	1.0%	1.2%	1.7%
Retired	4.5%	1.5%	1.3%	0.8%	1.2%	9.0%	2.3%	2.3%	2.7%	3.1%
Disabled	3.7%	8.8%	9.1%	7.6%	8.2%	4.0%	5.2%	5.8%	5.6%	6.0%
Other	5.9%	5.2%	4.5%	5.9%	4.7%	3.5%	3.0%	3.0%	2.7%	2.4%
Mean bodyweight in kilograms (Standard deviation)	71.3 (14.5)	74.8 (16.8)	75.2 (17.5)	74.9 (16.8)	76.1 (17.6)	83.7 (13.4)	86.8 (14.7)	86.5 (14.5)	86.5 (15.2)	86.9 (15.1)
Mean Body Mass Index (BMI) (Standard deviation)	25.0 (4.6)	26.0 (5.5)	26.2 (5.8)	26.1 (5.5)	26.5 (5.7)	25.5 (3.6)	26.0 (4.0)	26.0 (4.0)	26.1 (4.1)	26.3 (4.1)
BMI Category:										
Not overweight (< 25 kg/m ²)	57.2%	49.2%	48.5%	49.7%	47.6%	49.7%	47.2%	46.9%	47.0%	45.2%
Overweight (25-30 kg/m ²)	29.6%	32.2%	31.5%	30.2%	29.5%	41.1%	38.1%	38.3%	37.7%	38.7%
Obese (>= 30 kg/m ²)	13.1%	18.6%	20.1%	20.0%	22.9%	9.1%	14.7%	14.8%	15.4%	16.1%
Number of observations	16,336	805	714	845	768	18,830	769	709	808	746
Number of observations with complete BMI information	16,298	803	712	843	765	18,787	769	708	807	744

Notes: Data are from the DNB Household Survey 1993-2020;

^a based on values before centring

Appendix B. Results of fixed-effects analyses predicting bod mass index in women and men; coefficient estimates with 95% confidence intervals.

	Women		Men		Women vs men	
	b	[95% CI]	b	[95% CI]	Δ b	[95% CI]
Year:						
2020 (Covid-year)	Ref.		Ref.		Ref.	
2019 (pre-Covid year)	-0.267***	[-0.399,-0.134]	-0.049	[-0.166,0.067]	-0.217*	[-0.394,-0.041]
2018 (2 years pre-Covid)	-0.310***	[-0.481,-0.140]	-0.021	[-0.153,0.112]	-0.289**	[-0.505,-0.073]
2017 (3 years pre-Covid)	-0.264**	[-0.457,-0.072]	0.060	[-0.084,0.205]	-0.325**	[-0.565,-0.084]
2016 and prior	-0.331**	[-0.557,-0.105]	0.203*	[0.031,0.375]	-0.534***	[-0.818,-0.250]
Time-variant controls:						
Age ^a	0.093***	[0.074,0.113]	0.108***	[0.094,0.122]	-0.015	[-0.039,0.009]
Age ^a (squared)	-0.001†	[-0.002,0.000]	-0.002***	[-0.002,-0.001]	0.001	[-0.000,0.002]
Lives with partner	0.350*	[0.010,0.690]	0.139	[-0.121,0.399]	0.211	[-0.216,0.639]
Primary activity status:						
In paid employment	Ref.		Ref.		Ref.	
Unemployed	-0.044	[-0.242,0.154]	-0.083	[-0.245,0.080]	0.038	[-0.218,0.294]
Student	0.152	[-0.043,0.346]	-0.061	[-0.345,0.224]	0.212	[-0.132,0.556]
Homemaker	0.072	[-0.097,0.241]	-0.055	[-0.472,0.362]	0.127	[-0.323,0.577]
Retired	0.088	[-0.128,0.304]	-0.161†	[-0.344,0.023]	0.249†	[-0.035,0.532]
Disabled	-0.064	[-0.410,0.283]	-0.114	[-0.321,0.093]	0.050	[-0.353,0.453]
Other	0.040	[-0.159,0.239]	-0.024	[-0.182,0.134]	0.064	[-0.191,0.318]
Number of observations	19,416		21,806			
Number of persons	4,357		4,574			

Notes: Data are from the DNB Household Survey 1993-2020; ^a centred on age 45;† $p < .1$, * $p < .05$, ** $p < .01$, *** $p < 0.001$

Appendix C. Results of fixed-effects analyses predicting bodyweight change in women and men; coefficient estimates with 95% confidence intervals.

	Women		Men		Women vs men	
	b	[95% CI]	b	[95% CI]	Δ b	[95% CI]
Year:						
2020 (Covid-year)	Ref.		Ref.		Ref.	
2019 (pre-Covid year)	-0.760**	[-1.241,-0.280]	-0.131	[-0.577,0.314]	-0.629†	[-1.285,0.026]
2018 (2 years pre-Covid)	-0.905**	[-1.558,-0.252]	-0.073	[-0.573,0.428]	-0.832*	[-1.654,-0.010]
2017 (3 years pre-Covid)	-0.781*	[-1.463,-0.099]	0.296	[-0.276,0.869]	-1.078*	[-1.968,-0.187]
2016 and prior	-1.111*	[-1.962,-0.261]	0.935**	[0.285,1.584]	-2.046***	[-3.116,-0.977]
Time-variant controls:						
Age ^a	0.259***	[0.202,0.316]	0.362***	[0.313,0.411]	-0.103**	[-0.178,-0.028]
Age ^a (squared)	-0.003*	[-0.006,-0.001]	-0.007***	[-0.010,-0.005]	0.004†	[-0.000,0.007]
Lives with partner	0.932†	[-0.076,1.941]	0.487	[-0.491,1.465]	0.445	[-0.959,1.850]
Not in paid employment	-0.166	[-1.986,1.654]	-0.063	[-1.503,1.377]	-0.103	[-2.423,2.217]
2019 (pre-Covid year) x not in paid employment	-0.091	[-1.504,1.323]	0.931	[-0.813,2.674]	-1.022	[-3.266,1.223]
2018 (2 years pre-Covid) x not in paid employment	0.361	[-1.505,2.228]	0.199	[-1.100,1.498]	0.162	[-2.111,2.436]
2017 (3 years pre-Covid) x not in paid employment	-0.010	[-1.663,1.643]	-0.312	[-1.665,1.042]	0.302	[-1.835,2.438]
2016 and prior x not in paid employment	0.183	[-1.619,1.984]	-0.417	[-1.868,1.034]	0.600	[-1.713,2.913]
Number of observations	19,468		21,862			
Number of persons	4,365		4,583			

Notes: Data are from the DNB Household Survey 1993-2020; ^a centred on age 45;† $p < .1$, * $p < .05$, ** $p < .01$, *** $p < 0.001$