

Electronic Supplementary Material Lahti-Pulkkinen et al

ESM Table 1 Offspring diabetes according to maternal BMI after exclusion of (i) n=385 women with history of diabetes prior to pregnancy and (ii) n=4329 women with history of diabetes before or after pregnancy

	(i) Exclusion of n=385 women with history of diabetes prior to pregnancy						(ii) Exclusion of n=4329 women with history of diabetes before or after pregnancy		
	HR	95% CI	p-value	Adj HR*	95%CI	p-value	Adj HR*	95%CI	p-value
<i>Any diabetes</i>									
<b>Underweight</b>	0.97	0.67, 1.40	0.899	0.97	0.67, 1.39	0.854	0.85	0.56, 1.28	0.434
<b>Normal weight</b>	1			1			1		
<b>Overweight</b>	1.23	1.04, 1.47	0.018	1.23	1.03, 1.46	0.020	1.26	1.05, 1.52	0.015
<b>Obese</b>	1.78	1.39, 2.28	<0.001	2.11	1.80, 2.35	<0.001	1.67	1.26, 2.22	<0.001
<i>Type 1 diabetes</i>									
<b>Underweight</b>	0.90	0.52, 1.54	0.690	0.91	0.53, 1.56	0.719	0.92	0.54, 1.59	0.774
<b>Normal weight</b>	1			1			1		
<b>Overweight</b>	1.14	0.91, 1.44	0.246	1.14	0.91, 1.43	0.263	1.17	0.93, 1.49	0.187
<b>Obese</b>	1.23	0.88, 1.72	0.230	1.20	0.86, 1.69	0.278	1.26	0.88, 1.81	0.209
<i>Type 2 diabetes</i>									
<b>Underweight</b>	1.07	0.65, 1.76	0.785	1.07	0.65, 1.76	0.785	0.82	0.43, 1.59	0.537
<b>Normal weight</b>	1			1			1		
<b>Overweight</b>	1.34	1.03, 1.76	0.032	1.33	1.02, 1.75	0.037	1.38	1.01, 1.88	0.040
<b>Obese</b>	3.33	2.31, 4.78	<0.001	3.27	2.26, 4.74	<0.001	2.96	1.88, 4.66	<0.001

\*adj HR (adjusted hazard ratios). Analyses were stratified for year of birth and adjusted for, maternal history of hypertension, maternal age at delivery, gestation when weight was measured, deprivation category, parity and offspring sex.

ESM Table 2. Post hoc analysis suggested by a reviewer.

<b>Offspring diabetes according to maternal BMI including only individuals born 1950-1976 (n=31371)</b>						
	<b>HR</b>	<b>95% CI</b>	<b>p-value</b>	<b>Adj HR*</b>	<b>95%CI</b>	<b>p-value</b>
<i>Any diabetes</i>						
Underweight	1.04	0.66, 1.64	0.829	1.03	0.65, 1.63	0.903
Normal weight	1			1		
Overweight	1.22	0.95, 1.58	0.020	1.27	0.98, 1.65	0.074
Obese	3.16	2.22, 4.51	<0.001	3.34	2.31, 4.83	<0.001
<i>Type 1 diabetes</i>						
Underweight	0.92	0.33, 2.54	0.876	0.94	0.34, 2.61	0.905
Normal weight	1			1		
Overweight	0.73	0.39, 1.36	0.320	0.73	0.39, 1.38	0.332
Obese	2.35	1.07, 5.17	0.033	2.33	1.03, 5.35	0.039
<i>Type 2 diabetes</i>						
Underweight	1.09	0.65, 1.82	0.747	1.07	0.64, 1.79	0.747
Normal weight	1			1		
Overweight	1.39	1.04, 1.85	0.025	1.41	1.08, 1.94	0.025
Obese	3.50	2.35, 5.22	<0.001	3.74	2.48, 5.66	<0.001
<b>Offspring diabetes according to maternal BMI including only individuals born 1977-2011 (n=86830)</b>						
	<b>HR</b>	<b>95% CI</b>	<b>p-value</b>	<b>Adj HR*</b>	<b>95%CI</b>	<b>p-value</b>
<i>Any diabetes</i>						
Underweight	0.88	0.48, 1.61	0.670	0.86	0.47, 1.59	0.636
Normal weight	1			1		
Overweight	1.19	0.95, 1.51	0.132	1.24	0.98, 1.57	0.076
Obese	1.23	0.88, 1.72	0.222	1.28	0.91, 1.80	0.151
<i>Type 1 diabetes</i>						
Underweight	0.87	0.46, 1.65	0.671	0.87	0.46, 1.64	0.660
Normal weight	1			1		
Overweight	1.21	0.95, 1.55	0.122	1.26	0.98, 1.61	0.070
Obese	1.11	0.77, 1.60	0.563	1.16	0.91, 1.68	0.417
<i>Type 2 diabetes</i>						
Underweight	0.93	0.12, 6.92	0.942	0.84	0.11, 6.31	0.868
Normal weight	1			1		
Overweight	1.04	0.47, 2.29	0.922	1.06	0.48, 2.35	0.885
Obese	2.59	1.09, 6.13	0.031	2.59	1.08, 6.24	0.033

\*adj HR (adjusted hazard ratios). Analyses were stratified for year of birth and adjusted for, maternal history of hypertension, maternal age at delivery, gestation when weight was measured, deprivation category, parity and offspring sex.