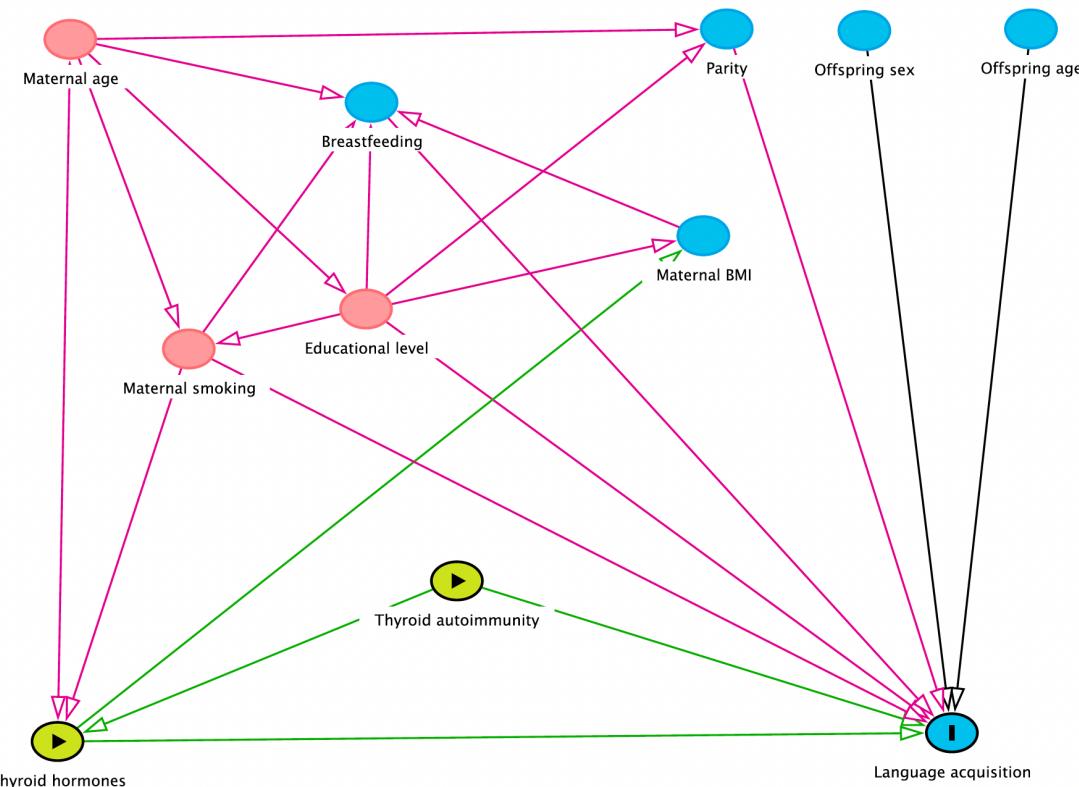


Supplementary to the article “Thyroid autoimmunity in euthyroid pregnant women is associated with slower productive language acquisition. The Odense Child Cohort Study”.

Figure 1S. Directed acyclic graph (DAG) of the covariates of interest when investigating the association between maternal thyroid status during pregnancy and offspring language acquisition.



Covariates (blue and red circles) are intermediate factors. The red circles affect both exposure and outcome, and the blue circles potentially affect the outcome. The exposures (green circle with an arrow) are thyroid autoimmunity and thyroid hormones, and the outcome is language acquisition (blue circle with an I). The red lines are biasing paths. The green lines are the causal paths.

Figure S2. The predicted probabilities of productive vocabulary according to maternal thyrotropin (TSH) ≤ 3.5 or > 3.5 mIU/L plotted by offspring age. The lines represent the predicted mean trajectories of girls and boys, respectively, with corresponding 95% confidence intervals. The dotted lines show at which age groups the effect was significant.

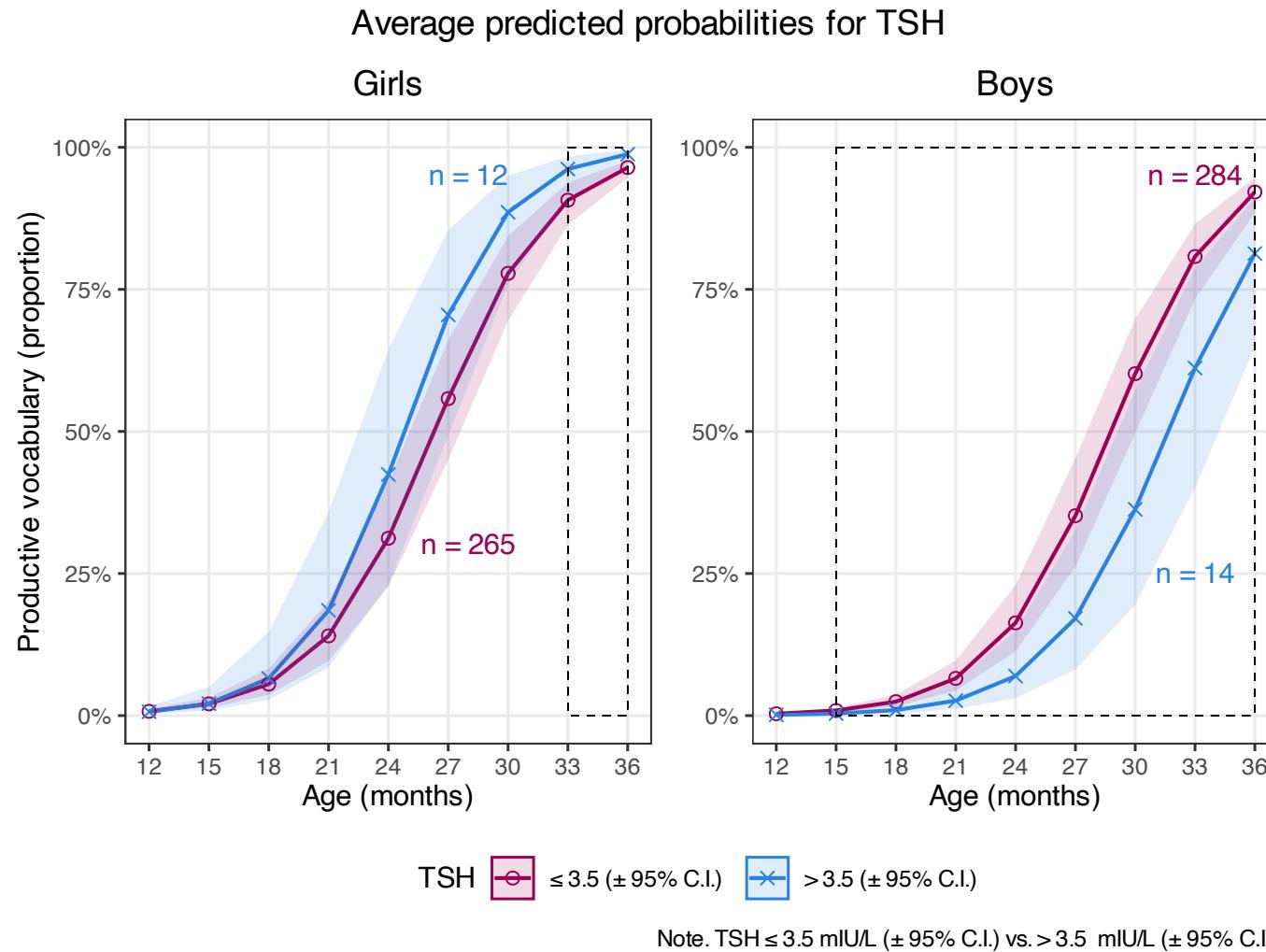


Table S1. Association between early pregnancy maternal thyrotropin (TSH) ≤ 3.5 mIU/L vs. > 3.5 mIU/L and productive vocabulary in the offspring aged 12-36 months.

Frequency table	
≤ 3.5	> 3.5
95.1%	4.9%

	Girls (n=277)				Boys (n=298)			
	OR	SE	95% CI	p-value	OR	SE	95% CI	p-value
TSH (≤ 3.5 mIU/L vs. > 3.5 mIU/L)								
Intercept	1.00	0.00	(1.00, 1.00)	<0.001	1.00	0.00	(1.00, 1.00)	<0.001
Offspring age	9.89	0.00	(9.78, 10.01)	<0.001	9.61	0.00	(9.50, 9.72)	<0.001
TSH (> 3.5 mIU/L)	0.87	0.08	(0.74, 1.02)	0.089	0.82	0.09	(0.69, 0.98)	0.030
Maternal age	0.88	0.10	(0.73, 1.07)	0.208	0.77	0.09	(0.64, 0.92)	0.005
Breastfeeding	1.20	0.08	(1.02, 1.41)	0.030	1.21	0.08	(1.03, 1.42)	0.022
Maternal education (linear)	1.18	0.09	(0.99, 1.41)	0.066	1.01	0.09	(0.84, 1.21)	0.905
Maternal education (quadratic)	1.11	0.09	(0.94, 1.32)	0.226	0.86	0.09	(0.73, 1.02)	0.079
Primi- and multiparous	0.77	0.10	(0.63, 0.93)	0.007	0.93	0.09	(0.77, 1.11)	0.422
Pre-pregnancy BMI (< 18.5)	0.87	0.10	(0.71, 1.07)	0.190	1.09	0.09	(0.91, 1.30)	0.339
Pre-pregnancy BMI (> 25)	1.03	0.09	(0.87, 1.22)	0.710	0.97	0.09	(0.82, 1.15)	0.703
Offspring age \times TSH (> 3.5 mIU/L)	1.26	0.02	(1.21, 1.31)	< 0.001	0.99	0.02	(0.95, 1.03)	0.546

Note. The association between maternal TSH and the productive vocabulary are estimated by conditional growth models, including effects of time (offspring age) and main effects of covariates. The outputs of the conditional growth models are reported as odds ratios (OR), standard error (SE), and 95% confidence intervals (95% CI). P-values < 0.05 are significant and marked in bold.

Abbreviations: BMI, body mass index.

Table S2. Characteristics of included mother-child dyads compared to non-included mother-child dyads from the Odense child cohort. Data are presented as mean \pm standard deviation (SD), median (25th;75th percentile), and numbers, n (%). Differences between included and excluded participants were tested using t-test (parametric data) or Wilcoxon's rank sum test (non-parametric data) for continuous variables and χ^2 -test for categorical variables.

Maternal characteristics	Included	Excluded	p-value
Maternal age	(n=735)	(n=1843)	
Years, mean \pm SD	30.3 \pm 4.5	30.2 \pm 4.5	0.74
Pre-pregnancy body mass index	(n=735)	(n=1822)	
kg/m ² , median (25 th , 75 th percentile)	23.4 (21.3;26.5)	23.3 (21.2;26.3)	0.48
Parity	(n=735)	(n=2081)	
Nulliparous, n (%)	436 (59.3)	977 (47.0)	
Primi- and multiparous, n (%)	299 (47.0)	1104 (53.0)	0.00
Smoking	(n=735)	(n=1812)	
Yes, n (%)	25 (3.4)	121 (6.7)	
No, n (%)	710 (96.6)	1691 (93.3)	0.001
Education	(n=727)	(n=1998)	
Low, n (%)	207 (28.5)	655 (32.8)	
Intermediate, n (%)	373 (51.3)	950 (47.6)	0.09
High, n (%)	147 (20.2)	393 (19.7)	
Ethnicity	(n=725)	(n=1694)	
European, n (%)	708 (96.3)	1592 (94.0)	
Non-European, n (%)	17 (2.3)	102 (6.0)	0.00
Thyroid status	(n=735)	(n=319)	
TPOAb \geq 11.0 (kIU/L), median (25 th , 75 th percentile)	52.6 (24.0;149.5) (n=88)	75.2 (40.6;221.0) (n=51)	0.72
TPOAb<11.0 (kIU/L)	n=647 (88.0)	n=268 (14.5)	
FT4 (pmol/L), median (25 th , 75 th percentile)	13.9 (12.9;15.0)	13.7 (12.6;15.2)	0.21
TSH (mIU/L), median (25 th , 75 th percentile)	1.43 (0.92;2.06)	1.36 (0.86;2.09)	0.73
Offspring characteristics			
Offspring sex	(n=735)	(n=1818)	
Girls, n (%)	352 (47.9)	846 (46.53)	
Boys, n (%)	383 (52.1)	972 (53.5)	0.53
Gestational age	(n=735)	(n=1817)	
Days, median (25 th , 75 th percentile)	282 (276;288)	281 (273;287)	0.001
Birth weight	(n=734)	(n=1818)	
Gram, mean \pm SD	3567 \pm 473	3507 \pm 557	0.01
Birth length	(n=728)	(n=1804)	
Centimeter, mean \pm SD	52.1 \pm 2.1	51.8 \pm 2.6	0.01
Exclusive breastfeeding	(n=583)	(n=1135)	
Weeks, median (25 th , 75 th percentile)	33 (16;48)	30 (12;44)	0.01

Table S3. Words produced from the MacArthur-Bates Communicative Development Inventories (MB-CDI) at different ages.

Offspring age (months)	All (n=735)		Girls (n=352)		Boys (n=383)		<i>p</i> -value
	n	Words produced Mean (\pm SD)	n	Words produced Mean (\pm SD)	n	Words produced Mean (\pm SD)	
12	544	4.39 (6.38)	258	4.98 (6.62)	286	3.85 (6.12)	0.04
15	534	14.16 (15.12)	261	16.20 (17.06)	272	12.20 (12.72)	0.002
18	537	46.93 (50.71)	257	56.43 (56.29)	279	38.21 (43.29)	<0.001
21	394	152.09 (141.24)	194	181.23 (147.83)	200	123.83 (128.73)	<0.001
24	460	269.36 (174.35)	220	312.97 (179.35)	240	229.39 (159.85)	<0.001
27	385	379.24 (193.30)	182	403.26 (179.49)	203	357.70 (202.92)	0.02
30	337	451.58 (172.13)	149	485.32 (153.56)	188	424.85 (181.24)	<0.001
33	277	521.98 (168.11)	131	546.56 (161.69)	146	499.92 (171.22)	0.02
36	92	577.52 (116.35)	51	589.82 (102.15)	41	562.22 (131.60)	0.27

P-value represents the difference between girls and boys.

Table S4. The average predicted probability of producing words within the MB-CDI according to maternal thyroid peroxidase antibody (TPOAb) status by offspring age (Model 1). The effect of the predictor is considered significant when the predicted probability point estimate for one group is not included within the 95% confidence interval range of the other group. Abbreviations: CI, confidence interval; SE, standard error.

TPOAb (<11.0 vs. ≥11.0 kIU/L)	Offspring age	Girls				Boys			
		Predicted probability	SE	Lower CI	Upper CI	Predicted probability	SE	Lower CI	Upper CI
<11.0	12	0.008	0.150	0.006	0.010	0.003	0.159	0.002	0.004
<11.0	15	0.021	0.150	0.016	0.028	0.009	0.159	0.006	0.012
<11.0	18	0.057	0.150	0.043	0.075	0.024	0.159	0.017	0.032
<11.0	21	0.147	0.150	0.114	0.187	0.064	0.159	0.048	0.085
<11.0	24	0.327	0.150	0.266	0.394	0.161	0.159	0.123	0.207
<11.0	27	0.579	0.150	0.506	0.648	0.350	0.159	0.283	0.423
<11.0	30	0.795	0.150	0.743	0.839	0.602	0.159	0.525	0.673
<11.0	33	0.916	0.150	0.891	0.936	0.809	0.159	0.756	0.853
<11.0	36	0.969	0.150	0.959	0.977	0.922	0.159	0.879	0.942
≥11.0	12	0.005	0.265	0.003	0.009	0.003	0.287	0.002	0.005
≥11.0	15	0.013	0.264	0.008	0.022	0.007	0.287	0.004	0.013
≥11.0	18	0.034	0.264	0.021	0.056	0.019	0.286	0.011	0.033
≥11.0	21	0.084	0.263	0.052	0.133	0.048	0.286	0.028	0.081
≥11.0	24	0.192	0.263	0.124	0.285	0.117	0.286	0.070	0.188
≥11.0	27	0.381	0.263	0.269	0.508	0.258	0.286	0.165	0.378
≥11.0	30	0.615	0.264	0.488	0.728	0.476	0.286	0.342	0.614
≥11.0	33	0.806	0.264	0.712	0.874	0.704	0.287	0.576	0.807
≥11.0	36	0.915	0.264	0.865	0.948	0.862	0.287	0.780	0.916

Abbreviations: CI, confidence interval; SE, standard error.

Table S5. The difference in the number of words produced at 30 months stratified for sex, when comparing offspring of TPOAb positive and negative mothers, and offspring at maternal FT4 levels <20% and >80% percentiles.

	Girls	Boys
	Words produced Mean (\pm SD)	Words produced Mean (\pm SD)
TPOAb		
<11.0 kIU/L	498 (152.6)	423 (167.3)
\geq 11.0 kIU/L	417 (146.3)	409 (273.3)
FT4		
<20% percentile	486 (145.7)	428 (170.9)
>80% percentile	471 (155.8)	393 (138.0)

Abbreviations: FT4, free thyroxine; SD, standard deviation; TPOAb, thyroid peroxidase antibodies.

Table S6. Predicted probabilities of producing words within the MB-CDI at the 5th, 50th, 95th, and 99th percentile of thyroid peroxidase antibodies (TPOAb) by offspring age (Model 2). The effect of the predictor is considered significant when the predicted probability point estimate for one group is not included within the 95% confidence interval (CI) range of the other group. Abbreviations: SE, standard error.

TPOAb (kIU/L)	Offspring age	Predicted probability	Girls			Boys			
			SE	Lower CI	Upper CI	Predicted probability	SE	Lower CI	Upper CI
5 th percentile	12	0.008	0.149	0.006	0.010	0.003	0.158	0.002	0.004
5 th percentile	15	0.021	0.148	0.016	0.028	0.008	0.158	0.006	0.011
5 th percentile	18	0.056	0.148	0.043	0.074	0.023	0.158	0.017	0.031
5 th percentile	21	0.143	0.148	0.111	0.182	0.062	0.158	0.046	0.083
5 th percentile	24	0.317	0.148	0.258	0.383	0.157	0.158	0.120	0.202
5 th percentile	27	0.564	0.148	0.492	0.634	0.342	0.158	0.276	0.415
5 th percentile	30	0.783	0.148	0.730	0.829	0.593	0.158	0.516	0.665
5 th percentile	33	0.910	0.148	0.883	0.931	0.803	0.158	0.749	0.847
5 th percentile	36	0.966	0.149	0.955	0.974	0.919	0.158	0.893	0.939
50 th percentile	12	0.007	0.149	0.005	0.010	0.003	0.158	0.002	0.004
50 th percentile	15	0.020	0.149	0.015	0.027	0.008	0.158	0.006	0.011
50 th percentile	18	0.054	0.149	0.041	0.071	0.023	0.158	0.017	0.031
50 th percentile	21	0.137	0.149	0.106	0.175	0.062	0.158	0.046	0.082
50 th percentile	24	0.307	0.149	0.249	0.372	0.154	0.158	0.118	0.199
50 th percentile	27	0.553	0.149	0.480	0.624	0.336	0.158	0.271	0.408
50 th percentile	30	0.776	0.149	0.721	0.822	0.584	0.158	0.507	0.657
50 th percentile	33	0.906	0.149	0.878	0.928	0.796	0.158	0.741	0.842
50 th percentile	36	0.964	0.149	0.953	0.973	0.915	0.158	0.888	0.937
95 th percentile	12	0.006	0.179	0.004	0.009	0.003	0.187	0.002	0.005
95 th percentile	15	0.017	0.178	0.012	0.024	0.008	0.186	0.006	0.012
95 th percentile	18	0.046	0.178	0.033	0.063	0.023	0.186	0.016	0.032
95 th percentile	21	0.118	0.178	0.086	0.159	0.059	0.186	0.042	0.082
95 th percentile	24	0.272	0.178	0.209	0.346	0.144	0.186	0.105	0.195
95 th percentile	27	0.511	0.178	0.424	0.597	0.313	0.186	0.240	0.396
95 th percentile	30	0.745	0.178	0.673	0.805	0.551	0.186	0.460	0.639
95 th percentile	33	0.891	0.178	0.852	0.920	0.769	0.187	0.697	0.827
95 th percentile	36	0.958	0.178	0.941	0.970	0.900	0.187	0.861	0.928
99 th percentile	12	0.003	0.399	0.002	0.008	0.004	0.413	0.002	0.008
99 th percentile	15	0.010	0.398	0.004	0.021	0.009	0.412	0.004	0.019
99 th percentile	18	0.027	0.397	0.012	0.056	0.021	0.411	0.010	0.046
99 th percentile	21	0.072	0.397	0.034	0.144	0.051	0.411	0.023	0.107
99 th percentile	24	0.178	0.397	0.091	0.320	0.117	0.412	0.056	0.228
99 th percentile	27	0.378	0.397	0.219	0.570	0.246	0.412	0.127	0.423
99 th percentile	30	0.631	0.397	0.440	0.788	0.446	0.413	0.264	0.645
99 th percentile	33	0.828	0.397	0.688	0.913	0.666	0.415	0.469	0.818
99 th percentile	36	0.931	0.398	0.861	0.967	0.831	0.417	0.685	0.918

Table S7. Predicted probabilities of producing words within the MB-CDI according to maternal free thyroxine (FT4) levels in early pregnancy by offspring age (Model 3). The effect of the predictor is considered significant when the predicted probability point estimate for one group is not included within the 95% CI range of the other group. Abbreviations: CI, confidence interval; SE, standard error.

FT4 (<20% vs. >80%)	Offspring age	Girls			Boys				
		Predicted probability	SE	Lower CI	Upper CI	Predicted probability	SE	Lower CI	Upper CI
<20%	12	0.005	0.300	0.003	0.008	0.003	0.262	0.002	0.005
<20%	15	0.013	0.299	0.007	0.023	0.008	0.262	0.005	0.014
<20%	18	0.036	0.299	0.021	0.064	0.024	0.261	0.014	0.039
<20%	21	0.098	0.299	0.057	0.164	0.066	0.261	0.041	0.105
<20%	24	0.239	0.299	0.149	0.361	0.171	0.261	0.110	0.256
<20%	27	0.476	0.299	0.336	0.620	0.376	0.261	0.266	0.502
<20%	30	0.724	0.299	0.593	0.825	0.638	0.261	0.514	0.747
<20%	33	0.883	0.300	0.808	0.932	0.838	0.261	0.756	0.896
<20%	36	0.956	0.300	0.924	0.975	0.938	0.262	0.900	0.962
>80%	12	0.006	0.261	0.003	0.009	0.002	0.289	0.001	0.004
>80%	15	0.015	0.260	0.009	0.025	0.007	0.288	0.004	0.012
>80%	18	0.040	0.260	0.024	0.065	0.019	0.288	0.011	0.033
>80%	21	0.102	0.260	0.064	0.158	0.052	0.288	0.030	0.088
>80%	24	0.235	0.260	0.156	0.338	0.136	0.288	0.082	0.216
>80%	27	0.455	0.260	0.334	0.581	0.309	0.288	0.203	0.440
>80%	30	0.693	0.260	0.576	0.790	0.560	0.288	0.420	0.691
>80%	33	0.860	0.260	0.787	0.911	0.784	0.288	0.674	0.864
>80%	36	0.943	0.261	0.909	0.965	0.912	0.288	0.854	0.948

Table S8. Predicted probabilities of productive vocabulary scores at the 5th, 50th, and 95th percentile of maternal free thyroxine (FT4) in early pregnancy by offspring age (Model 4). The effect of the predictor is considered significant when the predicted probability point estimate for one group is not included within the 95% CI range of the other group. Abbreviations: CI, confidence interval; SE, standard error.

FT4 (pmol/L)	Offspring age	Girls			Boys				
		Predicted probability	SE	Lower CI	Upper CI	Predicted probability	SE	Lower CI	Upper CI
5 th percentile	12	0.008	0.203	0.005	0.011	0.003	0.201	0.002	0.005
5 th percentile	15	0.021	0.202	0.015	0.032	0.009	0.201	0.006	0.014
5 th percentile	18	0.060	0.202	0.041	0.087	0.026	0.200	0.017	0.037
5 th percentile	21	0.156	0.202	0.111	0.216	0.068	0.200	0.047	0.097
5 th percentile	24	0.350	0.202	0.266	0.445	0.166	0.200	0.119	0.228
5 th percentile	27	0.610	0.202	0.513	0.699	0.355	0.200	0.271	0.449
5 th percentile	30	0.820	0.202	0.754	0.871	0.603	0.200	0.506	0.692
5 th percentile	33	0.930	0.203	0.899	0.952	0.807	0.200	0.739	0.861
5 th percentile	36	0.975	0.203	0.963	0.983	0.920	0.201	0.886	0.945
50 th percentile	12	0.008	0.150	0.006	0.010	0.003	0.159	0.002	0.004
50 th percentile	15	0.021	0.150	0.016	0.028	0.009	0.159	0.006	0.012
50 th percentile	18	0.058	0.150	0.044	0.076	0.023	0.159	0.017	0.032
50 th percentile	21	0.147	0.150	0.114	0.187	0.063	0.159	0.047	0.083
50 th percentile	24	0.325	0.150	0.264	0.393	0.157	0.158	0.120	0.202
50 th percentile	27	0.575	0.150	0.502	0.645	0.340	0.158	0.274	0.413
50 th percentile	30	0.792	0.150	0.739	0.836	0.589	0.159	0.512	0.662
50 th percentile	33	0.914	0.150	0.888	0.935	0.799	0.159	0.745	0.845
50 th percentile	36	0.968	0.150	0.957	0.976	0.917	0.159	0.890	0.938
95 th percentile	12	0.008	0.221	0.005	0.012	0.003	0.235	0.002	0.004
95 th percentile	15	0.021	0.221	0.014	0.032	0.007	0.234	0.005	0.011
95 th percentile	18	0.054	0.221	0.036	0.081	0.020	0.234	0.013	0.031
95 th percentile	21	0.133	0.221	0.090	0.191	0.055	0.234	0.035	0.084
95 th percentile	24	0.290	0.221	0.209	0.386	0.140	0.234	0.093	0.205
95 th percentile	27	0.521	0.221	0.414	0.626	0.315	0.234	0.225	0.421
95 th percentile	30	0.743	0.221	0.653	0.817	0.564	0.234	0.450	0.672
95 th percentile	33	0.885	0.221	0.833	0.922	0.785	0.234	0.697	0.852
95 th percentile	36	0.954	0.221	0.930	0.969	0.911	0.234	0.867	0.942

Table S9. The predicted probabilities of productive vocabulary scores according to early pregnancy maternal plasma thyrotropin (TSH) ≤ 2.5 and > 2.5 mIU/L, respectively, by offspring age (Model 5). The effect of the predictor is considered significant when the predicted probability point estimate for one group is not included within the 95% confidence interval (CI) range of the other group. Abbreviations: SE, standard error.

TSH (≤ 2.5 vs. > 2.5)	Offspring age	Girls			Boys				
		Predicted probability	SE	Lower CI	Upper CI	Predicted probability	SE	Lower CI	Upper CI
≤ 2.5	12	0.007	0.155	0.005	0.010	0.003	0.167	0.002	0.005
	15	0.020	0.155	0.015	0.027	0.009	0.167	0.007	0.013
	18	0.055	0.155	0.041	0.073	0.025	0.167	0.018	0.034
	21	0.139	0.155	0.107	0.179	0.065	0.167	0.047	0.087
	24	0.310	0.155	0.249	0.378	0.160	0.167	0.120	0.208
	27	0.556	0.155	0.480	0.629	0.343	0.167	0.273	0.420
	30	0.777	0.155	0.720	0.825	0.589	0.167	0.508	0.665
	33	0.907	0.155	0.878	0.929	0.798	0.167	0.740	0.845
	36	0.964	0.155	0.952	0.973	0.916	0.167	0.887	0.938
> 2.5	12	0.008	0.255	0.005	0.013	0.002	0.245	0.001	0.003
	15	0.023	0.255	0.014	0.037	0.006	0.244	0.004	0.010
	18	0.062	0.254	0.039	0.098	0.018	0.244	0.011	0.029
	21	0.159	0.254	0.103	0.237	0.053	0.243	0.033	0.082
	24	0.350	0.254	0.247	0.470	0.143	0.243	0.094	0.212
	27	0.606	0.254	0.483	0.717	0.334	0.243	0.237	0.447
	30	0.814	0.254	0.727	0.878	0.601	0.244	0.483	0.708
	33	0.926	0.255	0.883	0.954	0.819	0.244	0.737	0.879
	36	0.973	0.256	0.956	0.983	0.931	0.244	0.893	0.956

Table S10. Predicted probabilities of productive vocabulary scores at the 5th, 50th, and 95th percentile of early pregnancy maternal plasma thyrotropin (TSH), by offspring age (Model 6). The effect of the predictor is considered significant when the predicted probability point estimate for one group is not included within the 95% confidence interval (CI) range of the other group. Abbreviations: SE, standard error.

TSH	Offspring age	Girls				Boys			
		Predicted probability	SE	Lower CI	Upper CI	Predicted probability	SE	Lower CI	Upper CI
5 th percentile	12	0.008	0.247	0.005	0.013	0.004	0.258	0.003	0.007
	15	0.022	0.247	0.013	0.035	0.012	0.258	0.007	0.019
	18	0.057	0.246	0.036	0.089	0.031	0.257	0.019	0.05
	21	0.141	0.246	0.092	0.209	0.077	0.257	0.048	0.121
	24	0.308	0.246	0.215	0.419	0.181	0.257	0.118	0.268
	27	0.548	0.246	0.428	0.662	0.370	0.257	0.261	0.493
	30	0.767	0.246	0.670	0.842	0.608	0.257	0.484	0.720
	33	0.900	0.247	0.847	0.936	0.805	0.258	0.713	0.872
	36	0.961	0.247	0.938	0.975	0.916	0.258	0.868	0.948
	50 th percentile	0.008	0.221	0.005	0.012	0.003	0.22	0.002	0.005
50 th percentile	12	0.021	0.221	0.014	0.032	0.009	0.22	0.006	0.014
	15	0.056	0.221	0.037	0.084	0.024	0.22	0.016	0.037
	18	0.142	0.221	0.097	0.203	0.065	0.22	0.043	0.096
	21	0.314	0.221	0.229	0.414	0.160	0.22	0.111	0.227
	24	0.561	0.221	0.453	0.663	0.346	0.22	0.256	0.449
	27	0.780	0.221	0.697	0.845	0.594	0.22	0.488	0.693
	30	0.908	0.221	0.865	0.938	0.802	0.22	0.725	0.862
	33	0.965	0.221	0.947	0.977	0.918	0.22	0.880	0.945
	95 th percentile	0.007	0.269	0.004	0.011	0.002	0.263	0.001	0.003
	12	0.019	0.269	0.012	0.032	0.006	0.263	0.003	0.009
95 th percentile	15	0.054	0.269	0.033	0.089	0.017	0.263	0.010	0.027
	18	0.144	0.269	0.090	0.221	0.048	0.262	0.029	0.078
	21	0.328	0.268	0.224	0.452	0.130	0.262	0.082	0.200
	24	0.587	0.269	0.456	0.706	0.309	0.262	0.211	0.427
	27	0.805	0.269	0.709	0.875	0.571	0.262	0.443	0.690
	30	0.923	0.269	0.877	0.953	0.799	0.263	0.703	0.869
	33	0.972	0.269	0.954	0.983	0.922	0.263	0.876	0.952
	36								

99 th percentile	12	0.006	0.341	0.003	0.012	0.001	0.380	0.001	0.002
99 th percentile	15	0.019	0.341	0.010	0.036	0.004	0.379	0.002	0.008
99 th percentile	18	0.054	0.340	0.028	0.099	0.012	0.378	0.006	0.024
99 th percentile	21	0.145	0.340	0.080	0.248	0.036	0.378	0.018	0.073
99 th percentile	24	0.336	0.340	0.206	0.496	0.107	0.378	0.054	0.201
99 th percentile	27	0.602	0.340	0.437	0.746	0.277	0.378	0.154	0.445
99 th percentile	30	0.819	0.340	0.699	0.898	0.549	0.378	0.367	0.719
99 th percentile	33	0.931	0.341	0.874	0.963	0.795	0.378	0.649	0.891
99 th percentile	36	0.976	0.342	0.954	0.987	0.925	0.379	0.855	0.963