

Supplementary Tables

Supplementary Table 1: N's by treatment arm

Treatment Arm	FUT2 Status	Number of Children	Number of Mothers
Overall	Positive	1022	893
Overall	Negative	323	308
Overall	Inconclusive	154	178
Control	Positive	245	213
Control	Negative	67	71
Control	Inconclusive	37	35
WSH	Positive	258	234
WSH	Negative	92	77
WSH	Inconclusive	39	51
Nutrition	Positive	253	203
Nutrition	Negative	76	84
Nutrition	Inconclusive	42	44
Nutrition + WSH	Positive	266	243
Nutrition + WSH	Negative	88	76
Nutrition + WSH	Inconclusive	36	48

Supplementary Table 2: Table of associations between child FUT2 status and continuous growth outcomes

	ATE	Lower 95% CI	Upper 95% CI	P-value
LAZ	-0.102	-0.154	-0.050	0.000
WHZ	-0.002	-0.120	0.117	0.977
WAZ	-0.061	-0.112	-0.010	0.020
HCZ	-0.092	-0.147	-0.037	0.001

Supplementary Table 3: Table of associations between child FUT2 status and categorical growth outcomes

	RR	Lower 95% CI	Upper 95% CI	P-value
Stunted	1.148	1.062	1.240	0.001
Wasted	0.968	0.718	1.305	0.830
Severe stunted	1.252	1.024	1.529	0.028
Severe wasted	1.169	0.476	2.871	0.734
Underweight	1.061	0.882	1.276	0.531
Severe underweight	1.109	0.756	1.628	0.596

Supplementary Table 4: Table of associations between maternal FUT2 status and continuous growth outcomes

	ATE	Lower 95% CI	Upper 95% CI	P-value
LAZ	0.017	-0.097	0.132	0.765
WHZ	0.036	-0.080	0.151	0.544
WAZ	0.039	-0.085	0.162	0.537
HCZ	0.000	-0.117	0.116	0.998

Supplementary Table 5: Table of associations between maternal FUT2 status and categorical growth outcomes

	RR	Lower 95% CI	Upper 95% CI	P-value
Stunted	0.993	0.816	1.208	0.943
Wasted	0.983	0.657	1.472	0.935
Severe stunted	1.031	0.598	1.779	0.913
Severe wasted	0.695	0.241	2.007	0.502
Underweight	0.952	0.772	1.174	0.644
Severe underweight	0.955	0.489	1.867	0.893

Supplementary Table 6: Table of associations between child FUT2 status and EED outcomes

	ATE	Lower 95% CI	Upper 95% CI	P-value
Lactulose	-0.063	-0.174	0.047	0.261
Mannitol	-0.035	-0.133	0.063	0.483
L/M ratio	-0.037	-0.113	0.040	0.349
Neopterin	-0.010	-0.108	0.087	0.837
Myeloperoxidase	-0.095	-0.140	-0.049	0.000
Alpha-1 antitrypsin	-0.016	-0.121	0.088	0.760
Regenerating gene 1B	-0.029	-0.168	0.109	0.680

Supplementary Table 7: Table of associations between maternal FUT2 status and EED outcomes

	ATE	Lower 95% CI	Upper 95% CI	P-value
Lactulose	-0.033	-0.144	0.077	0.555
Mannitol	0.018	-0.067	0.103	0.680
L/M ratio	-0.059	-0.095	-0.023	0.001
Neopterin	-0.042	-0.170	0.085	0.513
Myeloperoxidase	-0.104	-0.148	-0.060	0.000
Alpha-1 antitrypsin	0.017	-0.067	0.101	0.689
Regenerating gene 1B	0.046	-0.119	0.211	0.583

Supplementary Table 8: Table of associations between child FUT2 status and continuous growth outcomes stratified by measurement round

	ATE	Lower 95% CI	Upper 95% CI	P-value
LAZ - 3 months	-0.170	-0.250	-0.090	0.000
LAZ - 1 year	-0.083	-0.147	-0.018	0.012
LAZ - 2 years	-0.081	-0.127	-0.035	0.001
WHZ - 3 months	0.088	-0.094	0.269	0.345
WHZ - 1 year	-0.018	-0.157	0.120	0.795
WHZ - 2 years	-0.039	-0.165	0.087	0.546
WAZ - 3 months	-0.059	-0.236	0.117	0.512
WAZ - 1 year	-0.068	-0.216	0.081	0.371
WAZ - 2 years	-0.070	-0.123	-0.017	0.009
HCZ - 3 months	-0.071	-0.258	0.116	0.458
HCZ - 1 year	-0.106	-0.168	-0.043	0.001
HCZ - 2 years	-0.121	-0.178	-0.065	0.000

Supplementary Table 9: Table of associations between child FUT2 status and categorical growth outcomes stratified by measurement round

	RR	Lower 95% CI	Upper 95% CI	P-value
Stunted - 3 months	1.196	1.028	1.392	0.021
Stunted - 1 year	1.105	1.006	1.215	0.038
Stunted - 2 years	1.143	1.064	1.228	0.000
Wasted - 3 months	0.899	0.422	1.914	0.782
Wasted - 1 year	0.873	0.590	1.292	0.497
Wasted - 2 years	1.143	0.802	1.628	0.460
Severe stunted - 3 months	1.431	0.784	2.610	0.243
Severe stunted - 1 year	0.888	0.463	1.703	0.721
Severe stunted - 2 years	1.502	1.240	1.818	0.000
Severe wasted - 3 months	0.000	0.000	0.000	0.000
Severe wasted - 1 year	0.731	0.281	1.898	0.519
Severe wasted - 2 years	1.816	0.454	7.270	0.399
Underweight - 3 months	0.910	0.622	1.332	0.628
Underweight - 1 year	1.060	0.834	1.348	0.633
Underweight - 2 years	1.094	1.002	1.195	0.045
Severe underweight - 3 months	1.253	0.698	2.249	0.450
Severe underweight - 1 year	1.253	0.728	2.155	0.415
Severe underweight - 2 years	1.037	0.656	1.639	0.877

Supplementary Table 10: Table of associations between maternal FUT2 status and continuous growth outcomes stratified by measurement round

	ATE	Lower 95% CI	Upper 95% CI	P-value
LAZ - 3 months	0.011	-0.184	0.205	0.914
LAZ - 1 year	0.025	-0.110	0.160	0.716
LAZ - 2 years	0.026	-0.085	0.137	0.649
WHZ - 3 months	0.101	-0.167	0.368	0.461
WHZ - 1 year	0.051	-0.091	0.193	0.478
WHZ - 2 years	-0.011	-0.117	0.096	0.845
WAZ - 3 months	0.125	0.046	0.204	0.002

	ATE	Lower 95% CI	Upper 95% CI	P-value
WAZ - 1 year	0.032	-0.120	0.183	0.682
WAZ - 2 years	-0.005	-0.121	0.111	0.931
HCZ - 3 months	0.108	-0.074	0.290	0.243
HCZ - 1 year	0.017	-0.145	0.178	0.840
HCZ - 2 years	-0.024	-0.144	0.097	0.697

Supplementary Table 11: Table of associations between maternal FUT2 status and categorical growth outcomes stratified by measurement round

	RR	Lower 95% CI	Upper 95% CI	P-value
Stunted - 3 months	0.937	0.694	1.265	0.672
Stunted - 1 year	1.040	0.802	1.347	0.768
Stunted - 2 years	0.979	0.820	1.170	0.818
Wasted - 3 months	0.787	0.376	1.648	0.525
Wasted - 1 year	0.907	0.563	1.459	0.686
Wasted - 2 years	1.108	0.756	1.622	0.600
Severe stunted - 3 months	0.883	0.420	1.860	0.744
Severe stunted - 1 year	0.714	0.243	2.096	0.540
Severe stunted - 2 years	1.154	0.756	1.763	0.507
Severe wasted - 3 months	0.099	0.008	1.248	0.074
Severe wasted - 1 year	0.726	0.188	2.803	0.642
Severe wasted - 2 years	1.068	0.250	4.566	0.929
Underweight - 3 months	0.894	0.594	1.347	0.593
Underweight - 1 year	0.953	0.740	1.229	0.712
Underweight - 2 years	1.009	0.845	1.205	0.923
Severe underweight - 3 months	1.069	0.437	2.613	0.883
Severe underweight - 1 year	0.875	0.343	2.235	0.781
Severe underweight - 2 years	1.031	0.594	1.791	0.913

Supplementary Table 12: Table of associations between child FUT2 status and EED outcomes stratified by measurement round

	ATE	Lower 95% CI	Upper 95% CI	P-value
Lactulose - 3 months	-0.086	-0.284	0.113	0.399
Mannitol - 3 months	-0.089	-0.252	0.073	0.282
L/M ratio - 3 months	-0.010	-0.109	0.088	0.838
Lactulose - 1 year	-0.030	-0.209	0.148	0.739
Mannitol - 1 year	0.004	-0.157	0.166	0.957
L/M ratio - 1 year	-0.024	-0.158	0.110	0.725
Lactulose - 2 years	-0.109	-0.259	0.041	0.154
Mannitol - 2 years	-0.030	-0.154	0.093	0.632
L/M ratio - 2 years	-0.045	-0.136	0.045	0.327
Neopterin - 3 months	0.044	-0.108	0.196	0.572
Myeloperoxidase - 3 months	0.018	-0.229	0.265	0.887
Alpha-1 antitrypsin - 3 months	0.185	0.107	0.262	0.000
Neopterin - 1 year	-0.023	-0.180	0.134	0.774
Myeloperoxidase - 1 year	-0.155	-0.221	-0.089	0.000

	ATE	Lower 95% CI	Upper 95% CI	P-value
Alpha-1 antitrypsin - 1 year	-0.069	-0.220	0.082	0.369
Regenerating gene 1B - 1 year	-0.025	-0.165	0.115	0.728
Neopterin - 2 years	-0.011	-0.168	0.146	0.890
Myeloperoxidase - 2 years	-0.089	-0.242	0.065	0.257
Alpha-1 antitrypsin - 2 years	-0.075	-0.208	0.057	0.266

Supplementary Table 13: Table of associations between maternal FUT2 status and EED outcomes stratified by measurement round

	ATE	Lower 95% CI	Upper 95% CI	P-value
Lactulose - 3 months	-0.043	-0.256	0.170	0.694
Mannitol - 3 months	-0.030	-0.223	0.163	0.761
L/M ratio - 3 months	-0.002	-0.119	0.115	0.973
Lactulose - 1 year	0.040	-0.165	0.245	0.703
Mannitol - 1 year	0.069	-0.146	0.283	0.531
L/M ratio - 1 year	-0.032	-0.185	0.121	0.683
Lactulose - 2 years	-0.101	-0.260	0.058	0.213
Mannitol - 2 years	0.027	-0.085	0.140	0.636
L/M ratio - 2 years	-0.116	-0.166	-0.066	0.000
Neopterin - 3 months	-0.013	-0.213	0.188	0.901
Myeloperoxidase - 3 months	-0.014	-0.273	0.245	0.915
Alpha-1 antitrypsin - 3 months	0.161	0.069	0.252	0.001
Neopterin - 1 year	-0.017	-0.167	0.134	0.828
Myeloperoxidase - 1 year	-0.207	-0.274	-0.139	0.000
Alpha-1 antitrypsin - 1 year	-0.094	-0.153	-0.035	0.002
Regenerating gene 1B - 1 year	0.050	-0.113	0.212	0.549
Neopterin - 2 years	-0.083	-0.266	0.101	0.378
Myeloperoxidase - 2 years	-0.055	-0.187	0.077	0.412
Alpha-1 antitrypsin - 2 years	0.069	-0.054	0.192	0.270

Supplementary Table 14: Table of WASH Benefits intervention effects, stratified by child FUT2 status

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P-value	Interaction P-value
Lactulose - 3 months	Control v WSH	Negative	-0.545	-1.030	-0.059	0.028	0.722
Lactulose - 3 months	Control v WSH	Positive	-0.638	-1.013	-0.264	0.001	0.722
Lactulose - 3 months	Control v N	Negative	-0.476	-1.018	0.066	0.085	0.384
Lactulose - 3 months	Control v N	Positive	-0.725	-1.069	-0.381	0.000	0.384
Lactulose - 3 months	Control v N + WSH	Negative	-0.525	-1.025	-0.025	0.040	0.098
Lactulose - 3 months	Control v N + WSH	Positive	-0.909	-1.234	-0.584	0.000	0.098
Lactulose - 3 months	WSH v N + WSH	Negative	0.020	-0.312	0.351	0.908	0.119

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Lactulose - 3 months	WSH v N + WSH	Positive	-0.270	-0.527	-0.014	0.039	0.119
Lactulose - 3 months	N v N + WSH	Negative	-0.049	-0.433	0.335	0.802	0.524
Lactulose - 3 months	N v N + WSH	Positive	-0.184	-0.433	0.065	0.148	0.524
Mannitol - 3 months	Control v WSH	Negative	-0.627	-1.105	-0.148	0.010	0.706
Mannitol - 3 months	Control v WSH	Positive	-0.715	-1.023	-0.408	0.000	0.706
Mannitol - 3 months	Control v N	Negative	-0.581	-1.107	-0.055	0.030	0.543
Mannitol - 3 months	Control v N	Positive	-0.733	-1.031	-0.435	0.000	0.543
Mannitol - 3 months	Control v N + WSH	Negative	-0.573	-1.070	-0.076	0.024	0.194
Mannitol - 3 months	Control v N + WSH	Positive	-0.856	-1.158	-0.553	0.000	0.194
Mannitol - 3 months	WSH v N + WSH	Negative	0.053	-0.274	0.381	0.749	0.272
Mannitol - 3 months	WSH v N + WSH	Positive	-0.141	-0.370	0.089	0.230	0.272
Mannitol - 3 months	N v N + WSH	Negative	0.008	-0.352	0.368	0.966	0.497
Mannitol - 3 months	N v N + WSH	Positive	-0.123	-0.337	0.092	0.262	0.497
L/M ratio - 3 months	Control v WSH	Negative	0.078	-0.150	0.306	0.502	0.968
L/M ratio - 3 months	Control v WSH	Positive	0.073	-0.104	0.250	0.419	0.968
L/M ratio - 3 months	Control v N	Negative	0.105	-0.123	0.332	0.366	0.381
L/M ratio - 3 months	Control v N	Positive	0.004	-0.139	0.147	0.960	0.381
L/M ratio - 3 months	Control v N + WSH	Negative	0.048	-0.144	0.240	0.623	0.320
L/M ratio - 3 months	Control v N + WSH	Positive	-0.057	-0.166	0.052	0.304	0.320
L/M ratio - 3 months	WSH v N + WSH	Negative	-0.030	-0.257	0.197	0.795	0.400
L/M ratio - 3 months	WSH v N + WSH	Positive	-0.130	-0.305	0.045	0.144	0.400
L/M ratio - 3 months	N v N + WSH	Negative	-0.057	-0.263	0.150	0.589	0.971
L/M ratio - 3 months	N v N + WSH	Positive	-0.061	-0.208	0.086	0.417	0.971
Lactulose - 1 year	Control v WSH	Negative	-0.296	-0.658	0.066	0.110	0.403
Lactulose - 1 year	Control v WSH	Positive	-0.131	-0.428	0.165	0.386	0.403
Lactulose - 1 year	Control v N	Negative	0.080	-0.259	0.418	0.645	0.802
Lactulose - 1 year	Control v N	Positive	0.128	-0.124	0.380	0.321	0.802
Lactulose - 1 year	Control v N + WSH	Negative	-0.073	-0.562	0.416	0.769	0.328
Lactulose - 1 year	Control v N + WSH	Positive	0.187	-0.075	0.448	0.162	0.328

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Lactulose - 1 year	WSH v N + WSH	Negative	0.223	-0.241	0.686	0.346	0.732
Lactulose - 1 year	WSH v N + WSH	Positive	0.318	0.048	0.588	0.021	0.732
Lactulose - 1 year	N v N + WSH	Negative	-0.153	-0.617	0.311	0.519	0.435
Lactulose - 1 year	N v N + WSH	Positive	0.059	-0.186	0.304	0.637	0.435
Mannitol - 1 year	Control v WSH	Negative	0.148	-0.247	0.542	0.464	0.907
Mannitol - 1 year	Control v WSH	Positive	0.124	-0.180	0.429	0.422	0.907
Mannitol - 1 year	Control v N	Negative	0.287	-0.102	0.676	0.148	0.773
Mannitol - 1 year	Control v N	Positive	0.225	-0.086	0.536	0.157	0.773
Mannitol - 1 year	Control v N + WSH	Negative	0.231	-0.209	0.670	0.304	0.866
Mannitol - 1 year	Control v N + WSH	Positive	0.191	-0.114	0.496	0.221	0.866
Mannitol - 1 year	WSH v N + WSH	Negative	0.083	-0.273	0.440	0.648	0.939
Mannitol - 1 year	WSH v N + WSH	Positive	0.066	-0.194	0.326	0.618	0.939
Mannitol - 1 year	N v N + WSH	Negative	-0.056	-0.501	0.389	0.805	0.933
Mannitol - 1 year	N v N + WSH	Positive	-0.034	-0.309	0.241	0.807	0.933
L/M ratio - 1 year	Control v WSH	Negative	-0.450	-0.752	-0.149	0.003	0.212
L/M ratio - 1 year	Control v WSH	Positive	-0.260	-0.470	-0.050	0.015	0.212
L/M ratio - 1 year	Control v N	Negative	-0.207	-0.529	0.115	0.208	0.544
L/M ratio - 1 year	Control v N	Positive	-0.102	-0.344	0.140	0.410	0.544
L/M ratio - 1 year	Control v N + WSH	Negative	-0.304	-0.714	0.106	0.146	0.174
L/M ratio - 1 year	Control v N + WSH	Positive	-0.009	-0.212	0.194	0.931	0.174
L/M ratio - 1 year	WSH v N + WSH	Negative	0.147	-0.190	0.483	0.393	0.602
L/M ratio - 1 year	WSH v N + WSH	Positive	0.252	0.051	0.452	0.014	0.602
L/M ratio - 1 year	N v N + WSH	Negative	-0.097	-0.430	0.237	0.570	0.292
L/M ratio - 1 year	N v N + WSH	Positive	0.093	-0.102	0.289	0.351	0.292
Lactulose - 2 years	Control v WSH	Negative	0.400	0.057	0.742	0.022	0.691
Lactulose - 2 years	Control v WSH	Positive	0.334	0.070	0.598	0.013	0.691
Lactulose - 2 years	Control v N	Negative	0.053	-0.356	0.462	0.798	0.498
Lactulose - 2 years	Control v N	Positive	0.213	-0.053	0.479	0.116	0.498
Lactulose - 2 years	Control v N + WSH	Negative	0.108	-0.315	0.532	0.616	0.653

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Lactulose - 2 years	Control v N + WSH	Positive	0.207	-0.038	0.453	0.098	0.653
Lactulose - 2 years	WSH v N + WSH	Negative	-0.291	-0.666	0.084	0.128	0.407
Lactulose - 2 years	WSH v N + WSH	Positive	-0.126	-0.369	0.116	0.306	0.407
Lactulose - 2 years	N v N + WSH	Negative	0.055	-0.325	0.436	0.776	0.774
Lactulose - 2 years	N v N + WSH	Positive	-0.006	-0.259	0.247	0.963	0.774
Mannitol - 2 years	Control v WSH	Negative	0.155	-0.136	0.446	0.296	0.829
Mannitol - 2 years	Control v WSH	Positive	0.120	-0.129	0.369	0.344	0.829
Mannitol - 2 years	Control v N	Negative	-0.128	-0.418	0.162	0.387	0.579
Mannitol - 2 years	Control v N	Positive	-0.018	-0.267	0.231	0.886	0.579
Mannitol - 2 years	Control v N + WSH	Negative	-0.021	-0.356	0.314	0.903	0.993
Mannitol - 2 years	Control v N + WSH	Positive	-0.022	-0.252	0.207	0.847	0.993
Mannitol - 2 years	WSH v N + WSH	Negative	-0.176	-0.495	0.143	0.280	0.858
Mannitol - 2 years	WSH v N + WSH	Positive	-0.143	-0.365	0.080	0.208	0.858
Mannitol - 2 years	N v N + WSH	Negative	0.107	-0.168	0.383	0.446	0.514
Mannitol - 2 years	N v N + WSH	Positive	-0.004	-0.200	0.191	0.965	0.514
L/M ratio - 2 years	Control v WSH	Negative	0.244	-0.010	0.499	0.060	0.812
L/M ratio - 2 years	Control v WSH	Positive	0.214	0.030	0.397	0.022	0.812
L/M ratio - 2 years	Control v N	Negative	0.181	-0.126	0.489	0.248	0.724
L/M ratio - 2 years	Control v N	Positive	0.232	0.038	0.425	0.019	0.724
L/M ratio - 2 years	Control v N + WSH	Negative	0.129	-0.161	0.420	0.383	0.424
L/M ratio - 2 years	Control v N + WSH	Positive	0.230	0.047	0.412	0.014	0.424
L/M ratio - 2 years	WSH v N + WSH	Negative	-0.115	-0.344	0.113	0.323	0.357
L/M ratio - 2 years	WSH v N + WSH	Positive	0.016	-0.134	0.166	0.832	0.357
L/M ratio - 2 years	N v N + WSH	Negative	-0.052	-0.290	0.186	0.669	0.702
L/M ratio - 2 years	N v N + WSH	Positive	-0.002	-0.148	0.145	0.982	0.702
Neopterin - 3 months	Control v WSH	Negative	-0.089	-0.450	0.273	0.631	0.963
Neopterin - 3 months	Control v WSH	Positive	-0.080	-0.267	0.108	0.405	0.963
Neopterin - 3 months	Control v N	Negative	-0.206	-0.621	0.209	0.331	0.648

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Neopterin - 3 months	Control v N	Positive	-0.110	-0.279	0.060	0.204	0.648
Neopterin - 3 months	Control v N	Negative	-0.151	-0.505	0.203	0.402	0.649
Neopterin - 3 months	+ WSH Control v N	Positive	-0.233	-0.398	-0.069	0.005	0.649
Neopterin - 3 months	+ WSH WSH v N +	Negative	-0.063	-0.360	0.234	0.679	0.606
Neopterin - 3 months	WSH	Positive	-0.154	-0.331	0.024	0.090	0.606
Neopterin - 3 months	WSH v N +	Negative	0.054	-0.318	0.426	0.775	0.349
Neopterin - 3 months	WSH	Positive	-0.124	-0.312	0.064	0.197	0.349
Neopterin - 3 months	N v N +	Negative	-0.135	-0.555	0.284	0.527	0.432
Neopterin - 3 months	WSH	Positive	0.041	-0.226	0.308	0.765	0.432
Myeloperoxidase - 3 months	Control v	Negative	0.258	-0.234	0.751	0.304	0.884
Myeloperoxidase - 3 months	WSH	Positive	0.214	-0.071	0.500	0.141	0.884
Myeloperoxidase - 3 months	Control v N	Negative	0.096	-0.311	0.502	0.645	0.281
Myeloperoxidase - 3 months	+ WSH	Positive	-0.163	-0.454	0.128	0.272	0.281
Myeloperoxidase - 3 months	Control v N	Negative	0.231	-0.198	0.660	0.291	0.097
Myeloperoxidase - 3 months	+ WSH	Positive	-0.204	-0.518	0.111	0.204	0.097
Myeloperoxidase - 3 months	WSH v N +	Negative	-0.163	-0.715	0.389	0.564	0.479
Myeloperoxidase - 3 months	WSH	Positive	-0.378	-0.631	-0.124	0.004	0.479
Myeloperoxidase - 3 months	N v N +	Negative	-0.078	-0.530	0.374	0.735	0.984
Myeloperoxidase - 3 months	WSH	Positive	-0.073	-0.369	0.224	0.631	0.984
Alpha-1 antitrypsin - 3 months	Control v	Negative	-0.045	-0.543	0.454	0.861	0.904
Alpha-1 antitrypsin - 3 months	WSH	Positive	-0.011	-0.282	0.260	0.937	0.904
Alpha-1 antitrypsin - 3 months	Control v N	Negative	-0.234	-0.689	0.220	0.312	0.500
Alpha-1 antitrypsin - 3 months	+ WSH	Positive	-0.084	-0.338	0.171	0.519	0.500
Alpha-1 antitrypsin - 3 months	Control v N	Negative	-0.156	-0.546	0.234	0.432	0.533
Alpha-1 antitrypsin - 3 months	+ WSH	Positive	-0.011	-0.259	0.237	0.930	0.533
Alpha-1 antitrypsin - 3 months	WSH v N +	Negative	-0.190	-0.731	0.352	0.493	0.683
Alpha-1 antitrypsin - 3 months	WSH	Positive					
Alpha-1 antitrypsin - 3 months	N v N +	Negative					
Alpha-1 antitrypsin - 3 months	WSH						

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Alpha-1 antitrypsin - 3 months	N v N + WSH	Positive	-0.073	-0.313	0.167	0.552	0.683
Neopterin - 1 year	Control v WSH	Negative	-0.192	-0.543	0.159	0.283	0.349
Neopterin - 1 year	Control v WSH	Positive	-0.018	-0.255	0.220	0.883	0.349
Neopterin - 1 year	Control v N	Negative	-0.182	-0.549	0.185	0.331	0.993
Neopterin - 1 year	Control v N	Positive	-0.180	-0.388	0.027	0.089	0.993
Neopterin - 1 year	Control v N + WSH	Negative	-0.107	-0.443	0.228	0.531	0.722
Neopterin - 1 year	Control v N + WSH	Positive	-0.173	-0.363	0.018	0.075	0.722
Neopterin - 1 year	WSH v N + WSH	Negative	0.085	-0.198	0.369	0.556	0.148
Neopterin - 1 year	WSH v N + WSH	Positive	-0.155	-0.350	0.040	0.119	0.148
Neopterin - 1 year	N v N + WSH	Negative	0.075	-0.173	0.322	0.555	0.687
Neopterin - 1 year	N v N + WSH	Positive	0.007	-0.153	0.168	0.928	0.687
Myeloperoxidase - 1 year	Control v WSH	Negative	0.390	0.058	0.722	0.021	0.024
Myeloperoxidase - 1 year	Control v WSH	Positive	-0.032	-0.255	0.192	0.780	0.024
Myeloperoxidase - 1 year	Control v N	Negative	0.090	-0.325	0.504	0.671	0.354
Myeloperoxidase - 1 year	Control v N	Positive	-0.125	-0.349	0.100	0.276	0.354
Myeloperoxidase - 1 year	Control v N + WSH	Negative	0.338	-0.046	0.721	0.084	0.062
Myeloperoxidase - 1 year	Control v N + WSH	Positive	-0.091	-0.281	0.099	0.350	0.062
Myeloperoxidase - 1 year	WSH v N + WSH	Negative	-0.052	-0.378	0.273	0.752	0.975
Myeloperoxidase - 1 year	WSH v N + WSH	Positive	-0.059	-0.263	0.146	0.572	0.975
Myeloperoxidase - 1 year	N v N + WSH	Negative	0.248	-0.121	0.617	0.188	0.295
Myeloperoxidase - 1 year	N v N + WSH	Positive	0.034	-0.170	0.237	0.745	0.295
Alpha-1 antitrypsin - 1 year	Control v WSH	Negative	-0.107	-0.441	0.227	0.529	0.484
Alpha-1 antitrypsin - 1 year	Control v WSH	Positive	0.012	-0.181	0.205	0.902	0.484
Alpha-1 antitrypsin - 1 year	Control v N	Negative	-0.234	-0.588	0.119	0.194	0.496
Alpha-1 antitrypsin - 1 year	Control v N	Positive	-0.096	-0.306	0.114	0.369	0.496
Alpha-1 antitrypsin - 1 year	Control v N + WSH	Negative	-0.076	-0.378	0.225	0.620	0.527
Alpha-1 antitrypsin - 1 year	Control v N + WSH	Positive	0.028	-0.164	0.221	0.773	0.527

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Alpha-1 antitrypsin - 1 year	WSH v N + WSH	Negative	0.031	-0.232	0.293	0.819	0.931
Alpha-1 antitrypsin - 1 year	WSH v N + WSH	Positive	0.016	-0.172	0.204	0.866	0.931
Alpha-1 antitrypsin - 1 year	N v N + WSH	Negative	0.158	-0.104	0.420	0.238	0.856
Alpha-1 antitrypsin - 1 year	N v N + WSH	Positive	0.125	-0.077	0.326	0.226	0.856
Regenerating gene 1B - 1 year	Control v WSH	Negative	0.010	-0.451	0.471	0.967	0.970
Regenerating gene 1B - 1 year	Control v WSH	Positive	0.000	-0.198	0.199	0.997	0.970
Regenerating gene 1B - 1 year	Control v N	Negative	0.132	-0.220	0.485	0.461	0.168
Regenerating gene 1B - 1 year	Control v N	Positive	-0.148	-0.365	0.069	0.181	0.168
Regenerating gene 1B - 1 year	Control v N + WSH	Negative	0.208	-0.154	0.570	0.260	0.216
Regenerating gene 1B - 1 year	Control v N + WSH	Positive	-0.060	-0.267	0.148	0.574	0.216
Regenerating gene 1B - 1 year	WSH v N + WSH	Negative	0.198	-0.158	0.555	0.276	0.196
Regenerating gene 1B - 1 year	WSH v N + WSH	Positive	-0.060	-0.272	0.153	0.581	0.196
Regenerating gene 1B - 1 year	N v N + WSH	Negative	0.076	-0.137	0.288	0.486	0.941
Regenerating gene 1B - 1 year	N v N + WSH	Positive	0.088	-0.138	0.315	0.444	0.941
Neopterin - 2 years	Control v WSH	Negative	-0.292	-0.633	0.049	0.093	0.095
Neopterin - 2 years	Control v WSH	Positive	0.023	-0.186	0.232	0.828	0.095
Neopterin - 2 years	Control v N	Negative	0.042	-0.288	0.372	0.805	0.193
Neopterin - 2 years	Control v N	Positive	-0.191	-0.451	0.069	0.150	0.193
Neopterin - 2 years	Control v N + WSH	Negative	-0.013	-0.354	0.329	0.943	0.368
Neopterin - 2 years	Control v N + WSH	Positive	-0.189	-0.419	0.041	0.107	0.368
Neopterin - 2 years	WSH v N + WSH	Negative	0.280	-0.015	0.574	0.063	0.006
Neopterin - 2 years	WSH v N + WSH	Positive	-0.212	-0.405	-0.020	0.030	0.006
Neopterin - 2 years	N v N + WSH	Negative	-0.054	-0.328	0.220	0.699	0.744
Neopterin - 2 years	N v N + WSH	Positive	0.002	-0.211	0.215	0.986	0.744
Myeloperoxidase - 2 years	Control v WSH	Negative	0.502	0.144	0.860	0.006	0.104
Myeloperoxidase - 2 years	Control v WSH	Positive	0.154	-0.062	0.370	0.161	0.104
Myeloperoxidase - 2 years	Control v N	Negative	0.343	-0.012	0.699	0.058	0.653

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Myeloperoxidase - 2 years	Control v N	Positive	0.249	0.007	0.491	0.043	0.653
Myeloperoxidase - 2 years	Control v N + WSH	Negative	0.440	0.041	0.840	0.031	0.146
Myeloperoxidase - 2 years	Control v N + WSH	Positive	0.104	-0.110	0.319	0.341	0.146
Myeloperoxidase - 2 years	WSH v N + WSH	Negative	-0.061	-0.398	0.275	0.721	0.953
Myeloperoxidase - 2 years	WSH v N + WSH	Positive	-0.050	-0.243	0.143	0.610	0.953
Myeloperoxidase - 2 years	N v N + WSH	Negative	0.097	-0.259	0.454	0.593	0.241
Myeloperoxidase - 2 years	N v N + WSH	Positive	-0.145	-0.337	0.047	0.140	0.241
Alpha-1 antitrypsin - 2 years	Control v WSH	Negative	0.079	-0.344	0.502	0.715	0.974
Alpha-1 antitrypsin - 2 years	Control v WSH	Positive	0.087	-0.099	0.272	0.359	0.974
Alpha-1 antitrypsin - 2 years	Control v N	Negative	0.160	-0.175	0.494	0.350	0.988
Alpha-1 antitrypsin - 2 years	Control v N	Positive	0.157	-0.027	0.340	0.094	0.988
Alpha-1 antitrypsin - 2 years	Control v N + WSH	Negative	0.315	-0.029	0.659	0.073	0.231
Alpha-1 antitrypsin - 2 years	Control v N + WSH	Positive	0.063	-0.134	0.260	0.532	0.231
Alpha-1 antitrypsin - 2 years	WSH v N + WSH	Negative	0.236	-0.096	0.568	0.164	0.164
Alpha-1 antitrypsin - 2 years	WSH v N + WSH	Positive	-0.024	-0.167	0.119	0.742	0.164
Alpha-1 antitrypsin - 2 years	N v N + WSH	Negative	0.155	-0.103	0.414	0.239	0.111
Alpha-1 antitrypsin - 2 years	N v N + WSH	Positive	-0.094	-0.249	0.061	0.235	0.111

Supplementary Table 15: Table of WASH Benefits intervention effects, stratified by maternal FUT2 status

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Lactulose - 3 months	Control v WSH	Negative	-0.564	-1.095	-0.034	0.037	0.734
Lactulose - 3 months	Control v WSH	Positive	-0.661	-1.080	-0.242	0.002	0.734
Lactulose - 3 months	Control v N	Negative	-0.556	-1.064	-0.048	0.032	0.689
Lactulose - 3 months	Control v N	Positive	-0.665	-1.062	-0.268	0.001	0.689
Lactulose - 3 months	Control v N + WSH	Negative	-0.490	-1.027	0.048	0.074	0.087

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Lactulose - 3 months	Control v N + WSH	Positive	-0.906	-1.269	-0.543	0.000	0.087
Lactulose - 3 months	WSH v N + WSH	Negative	0.075	-0.295	0.444	0.693	0.190
Lactulose - 3 months	WSH v N + WSH	Positive	-0.246	-0.572	0.081	0.140	0.190
Lactulose - 3 months	N v N + WSH	Negative	0.067	-0.280	0.413	0.707	0.202
Lactulose - 3 months	N v N + WSH	Positive	-0.241	-0.570	0.087	0.150	0.202
Mannitol - 3 months	Control v WSH	Negative	-0.611	-1.123	-0.098	0.020	0.719
Mannitol - 3 months	Control v WSH	Positive	-0.701	-1.044	-0.357	0.000	0.719
Mannitol - 3 months	Control v N	Negative	-0.578	-1.061	-0.095	0.019	0.655
Mannitol - 3 months	Control v N	Positive	-0.682	-1.017	-0.348	0.000	0.655
Mannitol - 3 months	Control v N + WSH	Negative	-0.566	-1.127	-0.005	0.048	0.307
Mannitol - 3 months	Control v N + WSH	Positive	-0.811	-1.123	-0.500	0.000	0.307
Mannitol - 3 months	WSH v N + WSH	Negative	0.045	-0.296	0.386	0.797	0.460
Mannitol - 3 months	WSH v N + WSH	Positive	-0.111	-0.394	0.173	0.443	0.460
Mannitol - 3 months	N v N + WSH	Negative	0.012	-0.340	0.365	0.945	0.546
Mannitol - 3 months	N v N + WSH	Positive	-0.129	-0.404	0.146	0.359	0.546
L/M ratio - 3 months	Control v WSH	Negative	0.046	-0.248	0.341	0.758	0.941
L/M ratio - 3 months	Control v WSH	Positive	0.034	-0.131	0.199	0.689	0.941
L/M ratio - 3 months	Control v N	Negative	0.022	-0.167	0.211	0.820	0.937
L/M ratio - 3 months	Control v N	Positive	0.013	-0.196	0.221	0.906	0.937
L/M ratio - 3 months	Control v N + WSH	Negative	0.076	-0.116	0.268	0.439	0.119
L/M ratio - 3 months	Control v N + WSH	Positive	-0.100	-0.219	0.020	0.101	0.119
L/M ratio - 3 months	WSH v N + WSH	Negative	0.030	-0.262	0.321	0.842	0.324
L/M ratio - 3 months	WSH v N + WSH	Positive	-0.134	-0.299	0.032	0.114	0.324
L/M ratio - 3 months	N v N + WSH	Negative	0.054	-0.151	0.259	0.605	0.159
L/M ratio - 3 months	N v N + WSH	Positive	-0.112	-0.320	0.095	0.289	0.159
Lactulose - 1 year	Control v WSH	Negative	-0.185	-0.675	0.304	0.458	0.925
Lactulose - 1 year	Control v WSH	Positive	-0.212	-0.513	0.088	0.166	0.925
Lactulose - 1 year	Control v N	Negative	0.138	-0.301	0.577	0.538	0.829

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Lactulose - 1 year	Control v N	Positive	0.076	-0.195	0.346	0.583	0.829
Lactulose - 1 year	Control v N	Negative	0.030	-0.525	0.585	0.915	0.489
Lactulose - 1 year	+ WSH Control v N	Positive	0.265	-0.008	0.538	0.057	0.489
Lactulose - 1 year	+ WSH WSH v N +	Negative	0.216	-0.205	0.636	0.315	0.246
Lactulose - 1 year	WSH	Positive	0.478	0.220	0.735	0.000	0.246
Lactulose - 1 year	WSH v N +	Negative	-0.108	-0.544	0.329	0.628	0.280
Lactulose - 1 year	WSH	Positive	0.189	-0.085	0.463	0.176	0.280
Mannitol - 1 year	N v N +	Negative	0.205	-0.278	0.688	0.406	0.647
Mannitol - 1 year	WSH	Positive	0.071	-0.247	0.390	0.661	0.647
Mannitol - 1 year	Control v	Negative	0.346	-0.107	0.799	0.135	0.572
Mannitol - 1 year	WSH	Positive	0.179	-0.138	0.496	0.268	0.572
Mannitol - 1 year	Control v N	Negative	0.172	-0.362	0.706	0.527	0.865
Mannitol - 1 year	+ WSH Control v N	Positive	0.230	-0.080	0.539	0.147	0.865
Mannitol - 1 year	+ WSH WSH v N +	Negative	-0.033	-0.465	0.399	0.882	0.441
Mannitol - 1 year	WSH	Positive	0.158	-0.104	0.420	0.237	0.441
Mannitol - 1 year	WSH v N +	Negative	-0.174	-0.636	0.289	0.462	0.446
Mannitol - 1 year	WSH	Positive	0.050	-0.260	0.361	0.751	0.446
L/M ratio - 1 year	N v N +	Negative	-0.390	-0.687	-0.094	0.010	0.578
L/M ratio - 1 year	WSH	Positive	-0.289	-0.508	-0.070	0.010	0.578
L/M ratio - 1 year	Control v N	Negative	-0.208	-0.527	0.111	0.202	0.603
L/M ratio - 1 year	Control v N	Positive	-0.109	-0.368	0.150	0.410	0.603
L/M ratio - 1 year	Control v N	Negative	-0.142	-0.520	0.236	0.462	0.438
L/M ratio - 1 year	+ WSH Control v N	Positive	0.030	-0.192	0.253	0.790	0.438
L/M ratio - 1 year	+ WSH WSH v N +	Negative	0.248	-0.112	0.608	0.176	0.729
L/M ratio - 1 year	WSH	Positive	0.319	0.118	0.520	0.002	0.729
L/M ratio - 1 year	WSH v N +	Negative	0.066	-0.282	0.414	0.710	0.712
L/M ratio - 1 year	WSH	Positive	0.139	-0.093	0.372	0.240	0.712
Lactulose - 2 years	N v N +	Negative	0.328	-0.122	0.778	0.153	0.946
	WSH						

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Lactulose - 2 years	Control v WSH	Positive	0.311	0.044	0.578	0.022	0.946
Lactulose - 2 years	Control v N	Negative	0.388	-0.118	0.893	0.133	0.431
Lactulose - 2 years	Control v N	Positive	0.178	-0.060	0.415	0.143	0.431
Lactulose - 2 years	Control v N	Negative	0.166	-0.264	0.594	0.450	0.760
	+ WSH						
Lactulose - 2 years	Control v N	Positive	0.244	-0.048	0.537	0.101	0.760
	+ WSH						
Lactulose - 2 years	WSH v N + WSH	Negative	-0.162	-0.543	0.219	0.403	0.649
Lactulose - 2 years	WSH v N + WSH	Positive	-0.067	-0.317	0.184	0.602	0.649
Lactulose - 2 years	N v N + WSH	Negative	-0.222	-0.610	0.166	0.262	0.171
Lactulose - 2 years	N v N + WSH	Positive	0.067	-0.206	0.339	0.631	0.171
Mannitol - 2 years	Control v WSH	Negative	0.132	-0.240	0.505	0.487	0.892
Mannitol - 2 years	Control v WSH	Positive	0.159	-0.071	0.390	0.176	0.892
Mannitol - 2 years	Control v N	Negative	0.066	-0.287	0.420	0.714	0.793
Mannitol - 2 years	Control v N	Positive	0.016	-0.203	0.235	0.888	0.793
Mannitol - 2 years	Control v N	Negative	-0.016	-0.357	0.325	0.926	0.546
	+ WSH						
Mannitol - 2 years	Control v N	Positive	0.092	-0.145	0.329	0.445	0.546
	+ WSH						
Mannitol - 2 years	WSH v N + WSH	Negative	-0.148	-0.478	0.181	0.378	0.665
Mannitol - 2 years	WSH v N + WSH	Positive	-0.067	-0.301	0.168	0.576	0.665
Mannitol - 2 years	N v N + WSH	Negative	-0.082	-0.327	0.163	0.511	0.336
Mannitol - 2 years	N v N + WSH	Positive	0.077	-0.159	0.312	0.524	0.336
L/M ratio - 2 years	Control v WSH	Negative	0.196	-0.126	0.517	0.233	0.797
L/M ratio - 2 years	Control v WSH	Positive	0.152	-0.032	0.336	0.106	0.797
L/M ratio - 2 years	Control v N	Negative	0.322	-0.056	0.700	0.095	0.403
L/M ratio - 2 years	Control v N	Positive	0.162	-0.034	0.358	0.106	0.403
L/M ratio - 2 years	Control v N	Negative	0.182	-0.172	0.535	0.315	0.868
	+ WSH						
L/M ratio - 2 years	Control v N	Positive	0.152	-0.048	0.353	0.137	0.868
	+ WSH						
L/M ratio - 2 years	WSH v N + WSH	Negative	-0.014	-0.249	0.221	0.907	0.903
L/M ratio - 2 years	WSH v N + WSH	Positive	0.000	-0.154	0.154	0.998	0.903
L/M ratio - 2 years	N v N + WSH	Negative	-0.140	-0.418	0.138	0.324	0.315
L/M ratio - 2 years	N v N + WSH	Positive	-0.010	-0.153	0.133	0.892	0.315

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Neopterin - 3 months	Control v WSH	Negative	-0.160	-0.582	0.261	0.455	0.817
Neopterin - 3 months	Control v WSH	Positive	-0.109	-0.255	0.037	0.144	0.817
Neopterin - 3 months	Control v N	Negative	-0.377	-0.715	-0.038	0.029	0.256
Neopterin - 3 months	Control v N	Positive	-0.167	-0.362	0.029	0.094	0.256
Neopterin - 3 months	Control v N + WSH	Negative	-0.349	-0.744	0.045	0.083	0.646
Neopterin - 3 months	Control v N + WSH	Positive	-0.259	-0.430	-0.089	0.003	0.646
Neopterin - 3 months	WSH v N + WSH	Negative	-0.189	-0.532	0.155	0.281	0.854
Neopterin - 3 months	WSH v N + WSH	Positive	-0.150	-0.338	0.037	0.116	0.854
Neopterin - 3 months	N v N + WSH	Negative	0.027	-0.320	0.375	0.877	0.534
Neopterin - 3 months	N v N + WSH	Positive	-0.092	-0.284	0.099	0.345	0.534
Myeloperoxidase - 3 months	Control v WSH	Negative	-0.284	-0.842	0.273	0.317	0.507
Myeloperoxidase - 3 months	Control v WSH	Positive	-0.095	-0.347	0.156	0.457	0.507
Myeloperoxidase - 3 months	Control v N	Negative	-0.173	-0.678	0.331	0.501	0.113
Myeloperoxidase - 3 months	Control v N	Positive	0.291	-0.010	0.592	0.058	0.113
Myeloperoxidase - 3 months	Control v N + WSH	Negative	-0.041	-0.645	0.562	0.894	0.427
Myeloperoxidase - 3 months	Control v N + WSH	Positive	-0.287	-0.568	-0.005	0.046	0.427
Myeloperoxidase - 3 months	WSH v N + WSH	Negative	0.243	-0.393	0.880	0.454	0.184
Myeloperoxidase - 3 months	WSH v N + WSH	Positive	-0.191	-0.459	0.076	0.161	0.184
Myeloperoxidase - 3 months	N v N + WSH	Negative	0.132	-0.456	0.721	0.660	0.047
Myeloperoxidase - 3 months	N v N + WSH	Positive	-0.578	-0.904	-0.251	0.000	0.047
Alpha-1 antitrypsin - 3 months	Control v WSH	Negative	-0.015	-0.570	0.540	0.957	0.868
Alpha-1 antitrypsin - 3 months	Control v WSH	Positive	-0.067	-0.367	0.233	0.663	0.868
Alpha-1 antitrypsin - 3 months	Control v N	Negative	-0.435	-0.802	-0.068	0.020	0.064
Alpha-1 antitrypsin - 3 months	Control v N	Positive	-0.003	-0.312	0.306	0.983	0.064
Alpha-1 antitrypsin - 3 months	Control v N + WSH	Negative	-0.212	-0.578	0.155	0.257	0.746
Alpha-1 antitrypsin - 3 months	Control v N + WSH	Positive	-0.146	-0.482	0.189	0.392	0.746
Alpha-1 antitrypsin - 3 months	WSH v N + WSH	Negative	-0.197	-0.670	0.276	0.415	0.677

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Alpha-1 antitrypsin - 3 months	WSH v N + WSH	Positive	-0.080	-0.346	0.187	0.558	0.677
Alpha-1 antitrypsin - 3 months	N v N + WSH	Negative	0.223	-0.165	0.612	0.260	0.099
Alpha-1 antitrypsin - 3 months	N v N + WSH	Positive	-0.143	-0.406	0.120	0.286	0.099
Neopterin - 1 year	Control v WSH	Negative	0.046	-0.321	0.414	0.804	0.237
Neopterin - 1 year	Control v WSH	Positive	-0.204	-0.421	0.013	0.065	0.237
Neopterin - 1 year	Control v N	Negative	-0.244	-0.552	0.065	0.122	0.789
Neopterin - 1 year	Control v N	Positive	-0.294	-0.530	-0.058	0.015	0.789
Neopterin - 1 year	Control v N + WSH	Negative	-0.157	-0.518	0.204	0.394	0.596
Neopterin - 1 year	Control v N + WSH	Positive	-0.261	-0.459	-0.062	0.010	0.596
Neopterin - 1 year	WSH v N + WSH	Negative	-0.204	-0.498	0.091	0.176	0.358
Neopterin - 1 year	WSH v N + WSH	Positive	-0.057	-0.260	0.146	0.585	0.358
Neopterin - 1 year	N v N + WSH	Negative	0.086	-0.222	0.395	0.583	0.782
Neopterin - 1 year	N v N + WSH	Positive	0.033	-0.158	0.225	0.733	0.782
Myeloperoxidase - 1 year	Control v WSH	Negative	0.148	-0.295	0.592	0.512	0.274
Myeloperoxidase - 1 year	Control v WSH	Positive	-0.118	-0.343	0.106	0.302	0.274
Myeloperoxidase - 1 year	Control v N	Negative	-0.097	-0.479	0.285	0.619	0.773
Myeloperoxidase - 1 year	Control v N	Positive	-0.158	-0.399	0.082	0.197	0.773
Myeloperoxidase - 1 year	Control v N + WSH	Negative	-0.038	-0.476	0.401	0.867	0.725
Myeloperoxidase - 1 year	Control v N + WSH	Positive	-0.122	-0.301	0.056	0.178	0.725
Myeloperoxidase - 1 year	WSH v N + WSH	Negative	-0.186	-0.541	0.169	0.304	0.368
Myeloperoxidase - 1 year	WSH v N + WSH	Positive	-0.004	-0.194	0.186	0.967	0.368
Myeloperoxidase - 1 year	N v N + WSH	Negative	0.059	-0.262	0.381	0.717	0.890
Myeloperoxidase - 1 year	N v N + WSH	Positive	0.036	-0.165	0.237	0.727	0.890
Alpha-1 antitrypsin - 1 year	Control v WSH	Negative	0.201	-0.086	0.488	0.169	0.029
Alpha-1 antitrypsin - 1 year	Control v WSH	Positive	-0.181	-0.408	0.046	0.117	0.029
Alpha-1 antitrypsin - 1 year	Control v N	Negative	-0.094	-0.361	0.172	0.488	0.696
Alpha-1 antitrypsin - 1 year	Control v N	Positive	-0.163	-0.388	0.061	0.154	0.696

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Alpha-1 antitrypsin - 1 year	Control v N + WSH	Negative	-0.100	-0.445	0.246	0.572	0.794
Alpha-1 antitrypsin - 1 year	Control v N + WSH	Positive	-0.045	-0.259	0.169	0.680	0.794
Alpha-1 antitrypsin - 1 year	WSH v N + WSH	Negative	-0.301	-0.665	0.064	0.106	0.031
Alpha-1 antitrypsin - 1 year	WSH v N + WSH	Positive	0.136	-0.032	0.305	0.113	0.031
Alpha-1 antitrypsin - 1 year	N v N + WSH	Negative	-0.005	-0.375	0.364	0.977	0.575
Alpha-1 antitrypsin - 1 year	N v N + WSH	Positive	0.118	-0.069	0.306	0.215	0.575
Regenerating gene 1B - 1 year	Control v WSH	Negative	-0.100	-0.534	0.333	0.650	0.903
Regenerating gene 1B - 1 year	Control v WSH	Positive	-0.071	-0.263	0.121	0.469	0.903
Regenerating gene 1B - 1 year	Control v N	Negative	-0.157	-0.488	0.174	0.352	0.964
Regenerating gene 1B - 1 year	Control v N	Positive	-0.166	-0.384	0.051	0.133	0.964
Regenerating gene 1B - 1 year	Control v N + WSH	Negative	-0.055	-0.402	0.292	0.756	0.889
Regenerating gene 1B - 1 year	Control v N + WSH	Positive	-0.028	-0.233	0.178	0.791	0.889
Regenerating gene 1B - 1 year	WSH v N + WSH	Negative	0.046	-0.360	0.451	0.826	0.992
Regenerating gene 1B - 1 year	WSH v N + WSH	Positive	0.043	-0.145	0.232	0.652	0.992
Regenerating gene 1B - 1 year	N v N + WSH	Negative	0.102	-0.197	0.402	0.503	0.828
Regenerating gene 1B - 1 year	N v N + WSH	Positive	0.139	-0.056	0.333	0.162	0.828
Neopterin - 2 years	Control v WSH	Negative	0.025	-0.359	0.408	0.900	0.661
Neopterin - 2 years	Control v WSH	Positive	-0.072	-0.327	0.182	0.577	0.661
Neopterin - 2 years	Control v N	Negative	-0.134	-0.512	0.245	0.489	0.831
Neopterin - 2 years	Control v N	Positive	-0.178	-0.480	0.125	0.249	0.831
Neopterin - 2 years	Control v N + WSH	Negative	0.045	-0.366	0.457	0.829	0.239
Neopterin - 2 years	Control v N + WSH	Positive	-0.212	-0.449	0.026	0.081	0.239
Neopterin - 2 years	WSH v N + WSH	Negative	0.021	-0.425	0.466	0.927	0.487
Neopterin - 2 years	WSH v N + WSH	Positive	-0.139	-0.302	0.024	0.094	0.487
Neopterin - 2 years	N v N + WSH	Negative	0.179	-0.147	0.506	0.282	0.279
Neopterin - 2 years	N v N + WSH	Positive	-0.034	-0.255	0.187	0.765	0.279
Myeloperoxidase - 2 years	Control v WSH	Negative	0.701	0.283	1.119	0.001	0.009

Outcome	Contrast	Subgroup	Unadj. diff.	Lower 95% CI	Upper 95% CI	P- value	Interaction P-value
Myeloperoxidase - 2 years	Control v WSH	Positive	0.072	-0.135	0.278	0.497	0.009
Myeloperoxidase - 2 years	Control v N	Negative	0.656	0.259	1.053	0.001	0.034
Myeloperoxidase - 2 years	Control v N	Positive	0.175	-0.066	0.417	0.155	0.034
Myeloperoxidase - 2 years	Control v N + WSH	Negative	0.574	0.106	1.043	0.016	0.051
Myeloperoxidase - 2 years	Control v N + WSH	Positive	0.065	-0.156	0.286	0.564	0.051
Myeloperoxidase - 2 years	WSH v N + WSH	Negative	-0.126	-0.499	0.246	0.507	0.542
Myeloperoxidase - 2 years	WSH v N + WSH	Positive	-0.006	-0.212	0.199	0.951	0.542
Myeloperoxidase - 2 years	N v N + WSH	Negative	-0.081	-0.383	0.220	0.597	0.859
Myeloperoxidase - 2 years	N v N + WSH	Positive	-0.110	-0.306	0.086	0.270	0.859
Alpha-1 antitrypsin - 2 years	Control v WSH	Negative	0.122	-0.292	0.536	0.563	0.960
Alpha-1 antitrypsin - 2 years	Control v WSH	Positive	0.109	-0.095	0.314	0.294	0.960
Alpha-1 antitrypsin - 2 years	Control v N	Negative	0.160	-0.218	0.539	0.406	0.822
Alpha-1 antitrypsin - 2 years	Control v N	Positive	0.210	0.023	0.396	0.028	0.822
Alpha-1 antitrypsin - 2 years	Control v N + WSH	Negative	0.192	-0.220	0.604	0.360	0.742
Alpha-1 antitrypsin - 2 years	Control v N + WSH	Positive	0.110	-0.094	0.315	0.291	0.742
Alpha-1 antitrypsin - 2 years	WSH v N + WSH	Negative	0.070	-0.229	0.369	0.645	0.689
Alpha-1 antitrypsin - 2 years	WSH v N + WSH	Positive	0.001	-0.189	0.191	0.993	0.689
Alpha-1 antitrypsin - 2 years	N v N + WSH	Negative	0.032	-0.177	0.241	0.765	0.335
Alpha-1 antitrypsin - 2 years	N v N + WSH	Positive	-0.099	-0.282	0.084	0.287	0.335