



## Maternal polymorphisms in glutathione-related genes are associated with maternal mercury concentrations and early child neurodevelopment in a population with a fish-rich diet

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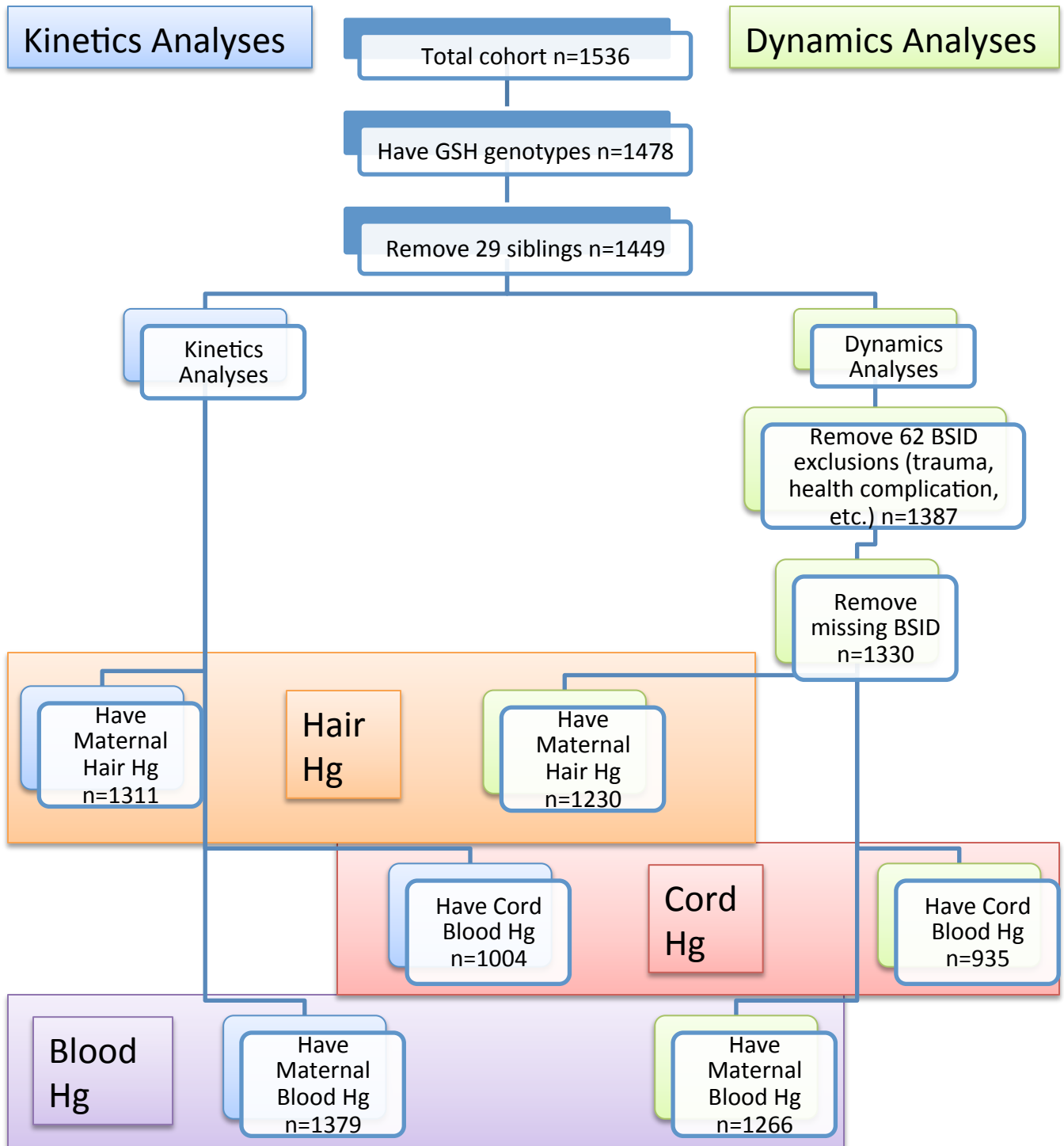
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# Flow chart of sample sizes



**Supplemental Figure S1.** Flow chart of inclusion and exclusion of subjects in the mother-child cohort.

**Supplementary Table 1.** Interactions between MeHg biomarker concentrations and genotypes on developmental outcomes. When the interaction is significant (p-value 2), the estimated slopes for each genotype and the standardized difference in slopes from the reference genotype ( $\beta$ ) are given with their p-values (p1).

Interaction	Genotype	MDI					Genotype	PDI				
		n	Slope	CI	$\beta$	p1		n	Slope	CI	$\beta$	p1
Maternal hair Hg x GCLM		1212	-0.08	(-0.25,0.09)				1210	0.05	(-0.12,0.22)		
	p-value 2		0.296						0.547			
Maternal blood Hg x GCLM		1248	0.00	(-0.05,0.06)				1246	0.00	(-0.05,0.06)		
	p-value 2		0.864						0.896			
Cord blood Hg x GCLM		924	0.00	(-0.03,0.03)				923	-0.03	(-0.06,0.01)		
	p-value 2		0.194						0.987			
Maternal hair Hg x GCLC		1223	-0.08	(-0.25,0.09)				1221	0.05	(-0.12,0.23)		
	p-value 2		0.458						0.334			
Maternal blood Hg x GCLC		1259	0.00	(-0.05,0.05)			TT	533	-0.07	(-0.15,0.01)		
							TG	585	0.01	(-0.07,0.1)	0.081	0.163
							GG	139	0.23	<b>(0.08,0.39)</b>	0.303	<b>&lt;0.001</b>
	p-value 2		0.231						<b>0.002</b>			
Cord blood Hg x GCLC		930	0.00	(-0.03,0.03)			TT	395	-0.07	<b>(-0.12,-0.03)</b>		
							TG	428	-0.02	(-0.07,0.04)	0.054	0.134
							GG	106	0.08	(-0.02,0.18)	0.157	<b>0.004</b>
	p-value 2		0.768						<b>0.014</b>			
Maternal hair Hg x GSTP1	AA	445	-0.15	(-0.44,0.15)				1222	0.05	(-0.12,0.22)		
	AG	577	0.09	(-0.14,0.32)	0.238	0.210						
	GG	202	-0.57	<b>(-1.02,-0.12)</b>	-0.428	0.117						
	p-value 2		<b>0.030</b>						0.331			
Maternal blood Hg x GSTP1		1260	0.00	(-0.05,0.05)				1258	0.00	(-0.05,0.06)		
	p-value 2		0.737						0.156			
Cord blood Hg x GSTP1		932	0.01	(-0.03,0.03)				931	-0.03	(-0.06,0.01)		
	p-value 2		0.350						0.183			