



	Incidence of childhood leukemia /100,000								
	Zimbabwe	US	SA	India	Japan	Australia			
		В	W						
ALL	11.6	20.8	38.0	16.0	28.4	49.9			
						Research I	Childre Institute		











Number need	ded to study Acute Myeloi	leukemia (Ac	ute Lymphoblast
		a Leakenna)	
Percentage of subjects exposed	Minimum risk detectable	Power %	Number Required
5	1.5	80	1180059
15	1.5	80	446633
30	1.5	80	277781













		share		Healthier Kides, H	ealthier Fotore.
	Biological samples for genotyping etc	Birth weight and birth order	Folate	Environ/chemical	s Childhood infections
National Children's Study	~	\checkmark			
Norwegian Mother and Child Study	~	\checkmark	\checkmark	\checkmark	$\overline{}$
Danish National Birth Cohort	\checkmark	\checkmark	\checkmark	~	\checkmark
Avon Longitudinal Study of Parents and Children	\checkmark	\checkmark	\checkmark	~	\checkmark
Tasmanian Infant Health Survey	\checkmark	\checkmark	\checkmark	\checkmark	
Jerusalem Perinatal Study	X	\checkmark	×	~	
Collaborative Perinatal Project	\checkmark	\checkmark	?	\checkmark	
					Aurdoch Children esearch Institute









Exposure prevalence Healthier Takes Healthier Takes Comparison across I4C cohorts:							
Maternal factors cont.							
	TIHS	ALSPAC	BDSS- CHINA	МоВа	DNBC		
Total live births at baseline	10, 628	14, 062	245, 336	108, 407	96, 841		
Maternal prenatal alcohol							
- Alcohol consumption during pregnancy % (n)	34 (3,591)	67 (9,135)	2	9 (6934)	55 (51,977)		
- Alcohol consumed during trimester 1	29 (3,075)	55 (7,167)	?	28 (19,274)	na		
trimester 2	27 (2,853)	49 (6,356)	?	12 (7,913)	na		
trimester 3	26 (2,786)	50 (5,923)	?	12 (7,978)	na		
Maternal prenatal smoking							
- Smoked during any stage of pregnancy % (n)	51 (5,433)	27 (3,664)	2	9	25 (24,712)		
- Smoked during trimester 1	49 (5,246)	25 (3,281)	?		23 (23,460)		
trimester 2	46 (4,906)	20 (2,605)	?	10 (7864)	16 (15, 690)		
trimester 3	45 (4,815)	20 (2,314)	?	8 (6,003)	na		
Maternal prenatal insecticide exposure							
Exposed to any type of insecticide during pregnancy % (n)	n/a	22 (2,410)	n/a	4 (3878)	?		
					urdoch Childr search Institute		

Exposure prevalence								
Child and Paternal factors								
onna ana	Tutt	тінз	ALSPAC	BDSS-CHINA	MoBa	DNBC		
Total live births at baseline		10, 628	14, 062	245, 336	108, 407	96,841		
Child Measures								
- Male gender	% (n)	69 (7309)	52 (7319)	?	?	?		
- Gestation age, (weeks)	mean ± sd	38.47±2.73	38.37±5.50	39.82±1.81	39.28 ± 2.29	39.9 ± 2.0		
- Birth weight, (grams)	mean ± sd	3108.14±768.9	3381±.580.84	3295.22±426.59	3563.43 ± 630	3536 ± 619		
- Body length at birth, (cm)	mean ± sd	48.46±3.56	?	49.46±2.26	50.21 ± 2.95	51.4 ± 6.7		
- Head circumference at birth, (cm)	mean ± sd	33.80±2.29	?	33.53±1.80	35.23 ± 1.85	34.3 ± 6.0		
Breastfeeding								
- Child breastfed during first six mon	ths % (n)	63 (6236)	75 (8387)	?	?	?		
Paternal demographics								
		27.11±5.88	30.72±5.74	?	32.64 ± 5.4	?		
- Completed university degree	% (n)	7 (702)	18 (2181)	?	24	?		
						earch Institute		







