



## Cohort summary

- ❖ Years of recruitment: October 2011 - October 2012
- ❖ Number of live births at baseline: 2000 expected at the end of recruitment
- ❖ Follow up status:
- ❖ Methods: Hospital-based birth cohort
- ❖ Questionnaires:
  - next to delivery (one-two weeks before delivery or at delivery)
  - 12 months after delivery
- ❖ Source population: livebirths in four Italian maternity units located in the following cities: Torino and Trieste (North of Italy), Firenze and Roma (Centre of Italy)
- ❖ Website: [www.piccolipiu.it](http://www.piccolipiu.it) (October 2011)

## Update: Primary outcomes

PICCOLI+ is a multi-purpose cohort (infant growth, neuro-cognitive development, respiratory health, obesity, access to health service care as emergency department visits and hospital admissions)

## Update: Progress to date

- ❖ Enrollment will start on October 2011
- ❖ The protocol and materials for enrollment have been completed as well as the baseline questionnaire
- ❖ Follow up questionnaire at one year of age is under development.

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## Biospecimens

SAMPLE	TIMING (Indicate YES (Y) or NO (N) AND weeks gestation/months of age)			CONDITIONS OF STORAGE	MONTHS SINCE STORED	BRIEF DESCRIPTION OF COLLECTION METHOD	TOTAL NUMBER OF SAMPLES COLLECTED	NUMBER OF SAMPLES AVAILABLE SEPT 2011
	Prenatal (Mother)	At birth (Mother)	First year of life (Child)					
Blood	N	Y	N	Aliquots of blood stored at -80 C		Buffy coat, plasma, serum, mailed to the biobank at National Institute of Health	Expected: 2000 mother samples	
Serum	N	N	N					
Urine	N	N	N					
Saliva	N	N	N					
Buccal swab	N	N	N					
Vaginal swab	N	N	N					
Cord blood	N	Y	N	Aliquots of blood stored at -80 C		Buffy coat, plasma, serum, mailed to the biobank at National Institute of Health	Expected: 2000 samples	
Blood spots	N	Y	N			Blood spots mailed to the biobank at National Institute of Health	Expected: 1000 dried blood samples (newborn)	
Placenta	N	N	N					
Meconium	N	N	N					
Hair sample	N	N	N					
Nail sample	N	N	N					
Breast milk	N	N	N					
Milk teeth	N	N	N					

## Environmental samples

SAMPLE	COLLECTED (YES/NO)	TIMING OF SAMPLE COLLECTION (weeks gestation / months of age)		CONDITIONS OF STORAGE	MONTHS SINCE STORED	TOTAL NUMBER OF SAMPLES COLLECTED	NUMBER OF SAMPLES AVAILABLE SEPT 2011
		Prenatal	First year of life				
Indoor air sample	N						
Dwelling dust collection	N						
Soil sample	N						
Drinking water	N						
Hair sample from pets	N						
Others: <i>specify</i>	N						