



Vanguard Study Recruitment Data Update

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Updates Presented



- Enumeration and Pregnancy Screening (EPSC)
- Eligibility and Enrollment
- Study Assessment Data Collection
 - Pre-Pregnancy
 - Pregnancy
 - Births

Original 7 Vanguard Centers



Group 1 – Began Data Collection in January 2009

- University of North Carolina – Duplin County
- Mount Sinai School of Medicine – Queens

Group 2 – Began Data Collection April 2009

- Children’s Hospital of Philadelphia – Montgomery County, PA
- South Dakota State – Four adjacent counties in Minnesota and South Dakota (BYPL)
- University of California, Irvine – Orange County, CA
- University of Utah – Salt Lake County, UT
- University of Wisconsin – Waukesha County, WI

National Children's Study Enrollment Process



1. Select Primary Sampling Unit (PSU)
2. Select Secondary Sampling Units (SSUs) as a subset of a PSU
3. Complete Listing/Address Generation of SSUs
4. Residents living at addresses within a SSU can be recruited into the NCS through
 - the Household Enumeration process
 - self-referral
 - referral by a healthcare provider
5. Study-eligible women are identified through a pregnancy screener, administered an informed consent and enrolled
6. NCS babies are born

Recruitment Status as of the End of June 2010



Recruitment Stage	Total	Rate*
Total Listed Households	83,716	
Household Enumeration Completed	66,971	86%
Age-eligible Women Identified	34,016	
Pregnancy Screening Completed	29,599	91%
Study Eligible Women Identified	1,999	
Consented/Enrolled Women	1,157	63%

*Respondents further determined to be ineligible are excluded from the denominator in computing response rates.

Consent Rate by Race and by Ethnicity



Racial/Ethnic Group	N	Consent Rate
White	617	66%
Black or African American	65	64%
Asian	50	47%
Other	425	62%
Hispanic	212	55%
Non-Hispanic	764	65%
Unknown	181	57%
Total	1,157	63%

Consent Rate by Ethnicity and Survey Language



Racial/Ethnic Group	N	Consent Rate
Hispanic		
English-Speaking	96	64%
Non-English-Speaking	116	76%
Non-Hispanic		
English-Speaking	752	63%
Non-English-Speaking	7	44%
Total	1,157	63%



Prenatal Data Collection

Outcome	Pre-conception	T1 First Mother	T3 Prior Mother	T3 First Mother	Prenatal Father
Number Eligible	322	733	513	217	868
Data collection complete	66%	70%	65%	65%	42%
In scheduling stage	18%	9%	23%	8%	35%
Data not collected	16%	21%	12%	27%	23%

Pre-Pregnancy Visit Completion



Category	Number	%
All	322	100
Completed (Full and Partial)	212	66
Scheduled but not yet initiated	57	18
Ineligible due to change in pregnancy status	15	5
Ineligible due to move	5	1
Refusal of assessments	5	2
Withdrew permission to participate in study	4	1
Other/Not documented	24	7

First Pregnancy Visit Completion

(Eligible for either a 1st or 3rd trimester visit)



Category	Number	%
All	860	100
Completed (Full and Partial)	652	77
Scheduled but not yet initiated	81	9
Ineligible due to change in pregnancy status	33	4
Ineligible due to move	21	2
Refusal of assessments	19	2
Withdrew permission to participate in study	24	3
Other/Not documented	30	3

First Pregnancy Visit Completion Rates by Demographic Characteristics of Mother*



	Distribution of Total Completes	Completion Rate
Total	100%	90%
Age		
<26	33%	87%
26-35	54%	90%
36+	11%	93%
Unknown	3%	
Language of Interview		
English	86%	89%
Non-English	14%	92%

Completion rate is defined as 'Visit Completes' divided by women initially eligible for visit minus those in scheduling and those who became ineligible at the time of visit due to change in pregnancy or move to non-sampled location.

First Pregnancy Visit Completion Rates by Demographic Characteristics of Mother



	Distribution of Total Completes	Completion Rate
Race		
White	56%	90%
Black/African American	5%	100%
Asian	4%	96%
Other (includes Unknown)	35%	89%
Ethnicity		
Hispanic	15%	87%
Non-Hispanic	64%	91%
Unknown	22%	88%

Cumulative Number of Enrolled Women and Births



As of June 2010

- All Enrolled Women: 1,157
- Enrolled Women who are Pregnant: 832
- Births: 412

Next Steps



- Identify strategies to improve enrollment rates, overall and for non-Hispanic non-English speaking women
- Explore barriers to completion of Study visits
- Further examine missed birth visits and identify strategies to reduce passive refusals
- Monitor alternate recruitment strategies for changes in demographics of enrolled women
 - continued focus on improving access to Asian populations