

PIN STUDY – COHORTS 3 AND 3PLUS
Study-wide analysis variables - specifications for construction

dataset stored in: \pin3\data\sas\study\studyvar.x__
program to generate in: \pin3\data\programs\study\studyvar.pgm

type*	source	source var name	constructed var name	constructed variable values
study participant ID – required to merge with other data sets			PATID	
Use of observations				
constructed to indicate problems with the observation – analyst should determine whether obs should be included based on this variable Note: This variable should be used with the C_WBC and C_DNA variables (and other variables) to select a population for genetic testing			tracking and interview admin data c_use	0 = delivery date known, live birth, women did Interview #1 1 = Interview #1 attempted, but unsuccessful 2 = requested to be dropped from the study, no Interview #1 3 = lost pregnancy, stop code 4 = no Interview #1, multiple birth 5 = multiple birth, may have done some components 11 = pregnancy ended, <20 wks 12 = pregnancy ended btwn 20-36 wks 13 = pregnancy ended, 37+ wks 21 = delivery info unavailable, but woman didn't drop from study (date indicates woman has delivered) 22 = delivery info unavailable, woman stopped study 23 = woman stopped study after Interview #1

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Indicates that Consent for genetic testing was provided on the PIN3 Consent form Note: Also see the C_USE and C_WBC variables		PIN3 Consent Form		c_dna	0 = NO 1 = YES
Indicates that a blood biospecimen, white blood cells, suitable for genetic (DNA) testing was collected and is available as of 4/1/2009 . Note: Also see the C_USE and C_DNA variables		PIN3 Biospecimen Inventory		C_wbc	0 = NO 1 = YES
Demographics					
mom's race **NOTE: source files had inconsistent coding; this coding from the Main Q	H	phone #1 tracking file	PI1D03 momrace	c_mrace	1=white 2=African American 3=American Indian 4=Asian or Pacific Islander <i>see attached list for other codes</i>
mom's ethnicity	H	phone #1 tracking file	PI1D02 momrace (Hispanic code)	c_methni	0=not Hispanic 1=Hispanic
mom's marital status (using tracking and 1 st interview, although updated at 2 nd interview) **NOTE: source files had inconsistent coding; this coding from the Phone Q	H	phone #1 tracking file	PI1D05 marital	c_marita	1=single 2=married 3=separated 4=divorced 5=widowed
mom's age at the start of pregnancy	H	phone #1 tracking file	PI1D01A, B, C mombdate	c_mage0	SAS date format

	type*	source	source var name	constructed var name	constructed variable values
mom's highest level of education	H	phone #1 tracking file	P11D04 momeduc	c_momedu	grade level completed
mom's household % of poverty for 2001 <i>source:</i> <i>Proctor BD, Dalaker J. U.S. Bureau of the Census, Current Population Reports, Series P60-219, Poverty in the United States: 2001, U.S. Government Printing Office, Washington, DC, 2002, p. 5.</i>	C	phone #1	P11D07, P1DI08, P11D09, P11D16	c_povert	value of 100 is at the poverty level, based on income, # of adults, & # of children in h-hold
Mom's height, weight, and BMI					
mom's height	H	recruitment screener	CS1_07A, CS1_07B	c_inches	
mom's pre-pregnancy weight	H	recruitment screener	CS1_08	c_lbs	NOTE: adjustments are being made to pre-preg weight after medical abstracts are completed; values may change
mom's pre-pregnancy BMI (kg/m ²)	C		c_inches, c_lbs	c_bmi	
mom's pre-pregnancy BMI (categorized) Based on IOM guidelines	C		c_bmi	c_bmiiom	1= BMI < 19.8 -- low 2= 19.8 <= BMI < =26.0 -- normal 3= 26.0 < BMI < =29.0 -- overweight 4= BMI >29.0 -- obese
adequacy of weight gain	C			c_awg	GET INFO FROM DIANE
Current pregnancy info					
PREGNANCY DATING — preterm case classification was based on delivery prior to 37 weeks' completed gestation, using an algorithm based on the first ultrasound performed prior to 22 weeks' gestation (up to 21 weeks, 6 days). If no ultrasound was performed or none was performed prior to the start of week 22, then LMP was used to date the pregnancy. The resulting "start of pregnancy" (actually an LMP-equivalent) based on the LMP or U/S described above was used to anchor all gestational age calculations for project activities, including definition of the recruitment window, follow-up dates, and ultimately preterm-term outcome.					

	type*	source	source var name	constructed var name	constructed variable values
best EDC - based on priority of ultrasound estimated EDC over LMP date NOT FOR RELEASE – CONFIDENTIAL	C	tracking	ultraedc eddlmp	bestedc2	SAS date format
start of pregnancy date (based on bestedc2) NOT FOR RELEASE – CONFIDENTIAL	C	tracking	bestedc2	strtprg2	SAS date format
delivery date NOT FOR RELEASE – CONFIDENTIAL				delivdat	
gestational age at delivery, weeks	C	tracking	delivdat, strtprg2	c_delgs2	completed weeks
gestational age at delivery, days	C	tracking	delivdat, strtprg2	c_gsday2	count of days since LMP equivalent
pregnancy outcome (preterm, term)	C	tracking	delivdat, preterm, delvcode	c_case2	0=term 1=preterm .y=lost to follow-up
birth weight	H	tracking	birthwt	c_bwt	in grams
baby's race, based on parent race (if parents of diff. race, uses non-white; if parents of diff. race both non-white, uses mother's race; if father's race is missing, uses mother's)	C	phone #1	c_mrace PI1102	c_brace	1=white 2=African American 3=American Indian 4=Asian or Pacific Islander <i>see attached list for other codes</i>
LBW status	C	tracking	delvcode, birthwt	c_lbw	1= <1500 g 2= 1500 to <2500 g 3= 2500+ g .y=lost to follow-up
Small for gestational age	C	tracking	c_brace, c_bwt c_delgs2, c_liveb, gender	c_sga2	0=not SGA 1=SGA .x=all sources not available;

	type*	source	source var name	constructed var name	constructed variable values
					cannot determine
	preterm type Also stored in this file is an identifier of which clinician made the determination (ptbwho: 1=Thorp) and the clinician's confidence in the assessment (ptbconf: 1=very certain, 2=less certain).	clinician determination		whyptb2	0=term 1=preterm labor 2=preterm PROM 3=medically indicated 4=stillbirth 97=we have delivery date & it is preterm, but birth occurred at another site so determination not done 99=delivery code=3, no delivery info and well past due date
Mom's weight gain during pregnancy (merged into the studyvar.x__ dataset; stored in \prom\data\sas\study\wtgain.x_) File also contains expected weight gain variable and gestational age at last weight variable					
	weight gain total		med abs studyvar	c_wtgain	weight in kilograms
	adequacy of total weight gain		med abs studyvar	c_IOMwt	ratio of observed weight over expected weight based on IOM guidelines (Institute of Medicine. Nutrition during pregnancy. Washington: National Academy Press, 1990.
Hypertension (merged into the studyvar.x__ dataset; stored in \pin3\data\sas\study\hyper.x_)					
	chronic hypertension		med abs	c_hyper	0 = not listed on chart 1 = listed on chart
	pregnancy-induced hypertension		med abs	c_pih	9 = not in chart, insufficient test data
	pre-eclampsia/eclampsia		med abs	c_eclamp	. = no chart data or test results
Diabetes					

	type*	source	source var name	constructed var name	constructed variable values
gestational diabetes	C	med abs lab tests		c_gdm	0 = no 1 = yes 9 = not in chart, insufficient test data . = no chart data or test results
pre-existing diabetes	C	med abs		c_pre_dm	
BV Assessment – DATA FROM ANOTHER SOURCE FILE					
BV slide assay score, continuous				c_sb scor	
BV slide assay score, categorical				c_bvcat	1=negative, normal (score 0-3) 2=intermediate (score 4-6) 3=positive BV (score 7-10)
Reproductive history (constructed from single and multiple obs per woman files from the Phone Interview #1)					
# previous pregnancies	H, C	phone #1 tracking	PI1H01, PI1H02 prevpreg	c_preprg	counts of reproductive events; 0 = never occurred or nulliparous
# live births	C	phone #1	PI1H04=1 or 2	c_liveb	
# miscarriages	C	phone #1	PI1H04=5	c_premis	
# induced abortions	H, C	phone #1 tracking	PI1H04=6 previndu	c_preabo	
# previous stillbirths	C	phone #1	PI1H04=3	c_prestb	
# previous known preterm births	H, C	phone #1 tracking	PI1H06 prevptrm	c_preptb	
# previous known LBW	C	phone #1	PI1H07A, PI1H07B, PI1H08=2	c_prelbw	
# previous ectopic	C	phone #1	PI1H04=4	c_precto	
parity (live births + stillbirths)	H, C	tracking	c_liveb + c_prestb prevterm + prevptrm	c_parity	
Behaviors during pregnancy					

type*		source	source var name	constructed var name	constructed variable values
average number of cigarettes smoked in months 1-6, continuous		phone #2 smoke6.sas	PI2H11	c_cig16	continuous
smoked in months 1-6, dichotomous		phone #2 smoke6.sas	PI2H11	c_cig16a	1=none, nonsmoker 2=yes, smoker
average number of cigarettes smoked months 1-6, 4 levels		phone #2 smoke6.sas	PI2H11	c_cig16b	1= 1-9 cigarettes/day 2 = 10-19 cigarettes/day 3 = 20+ cigarettes/day 4 = 0, nonsmoker (high value reference for genmod)
Physical activity – SEE SUPPLEMENTARY DOCUMENTATION FOR ALL PHYSICAL ACTIVITY					
Psychosocial Scales – SEE SUPPLEMENTARY DOCUMENTATION WITH CONSTRUCTED SCALES – https://www.cpc.unc.edu/projects/pin/docs_3/index.html					
Adequacy of Prenatal Care					
Kotelchuck's adequacy of prenatal care (Kotelchuck M. <i>An evaluation of the Kessner Adequacy of Prenatal Care Index and a proposed Adequacy of Prenatal Care Utilization Index. Am J Public Health 1994;84:1414-20.</i>) File also contains other variables pertaining to number of visits, expected visits, expected visit ratio, gestational age and month prenatal visits began.					
adequacy of prenatal care initiation index		med abs tracking studyvar		moindex4	Codes for all index variables: 0 = missing information 1 = inadequate 2 = intermediate 3 = adequate 4 = adequate plus
adequacy of received prenatal care index				evindex	
summary index				indexsum	
expected PNC visit ratio (observed/expected)				evratio	
multiple pregnancies in the PIN study	C	tracking		c_pindup	first digit is the # of the preg in PIN, other digits are woman link: e.g., 1001 & 2001 are the same woman, pregs 1&2; 1012, 2012, 3012 are

	type*	source	source var name	constructed var name	constructed variable values
					same woman, pregs 1, 2, & 3
Study administrative variables					
gestational age in days @ recruitment		tracker2	recruitd strtrprg2	c_gsdsrec	NOTE: some interviews were done and specimens collected outside the window in which they were to be done; the analyst needs to decide how to handle
gestational age in days @ Phone #1		Phone #1	questionnaire date strtrprg2	c_gsdsph1	
gestational age in days @ Phone #2		Phone #2	questionnaire date strtrprg2	c_gsdsph2	
gestational age in days @ SAQ #1		SAQ #1	saq1date (constructed) strtrprg2	c_gsdsq1	
gestational age in days @ SAQ #2		SAQ #2	saq2date (constructed) strtrprg2	c_gsdsq2	
gestational age in days @ Blood draw #1		spec coll form	blood draw #1 date strtrprg2	c_gsdbl1	
gestational age in days @ Blood draw #2		spec coll form	blood draw #2 date strtrprg2	c_gsdbl2	
gestational age in days @ Saliva #1		spec coll form	saliva collect #1 date strtrprg2	c_gsdsa1	
gestational age in days @ Saliva #2		spec coll form	saliva collect #2 date strtrprg2	c_gsdsa2	
gestational age in days @ Ultrasound #1 – done only on PIN 3 women (not 3+)		U/S #1 recording form	u/s #1 date for PIN 3 strtrprg2	c_gsdu1	
gestational age in days @ Ultrasound for PIN 3+ weeks 15-20		U/S 15 recording form	u/s at 15-20 wks for PIN 3+ strtrprg2	c_gsdu15	
gestational age in days @ Ultrasound for PIN 3+ weeks 24-29		U/S 24 recording form	u/s at 24-29 wks for PIN3+ strtrprg2	c_gsdu24	
Source file info for study variables					
Tracking file	C			c_trk	0=no, 1=yes

RACE variables: c_mrace, c_brace

01	white
02	African American (black or African)
03	American Indian or Native American
04	Asian or Pacific Islander
05	other (not specified)
06	White Hispanic
07	Black Hispanic
08	Hispanic
09	White/Black (or Black/White)
10	Asian/Black (or Black/Asian)
11	Indian/Cuban
12	White/Native American
13	Black/Native American
14	Black/Hispanic/Jamaican
15	Asian/white or Asian American
16	Canadian
17	African American/Canadian
18	Portuguese or Brazilian
19	

