

Appendix 1 : Algorithms of definition of covariables in the SNDS

Variables	Algorithms: ICD-10 codes, Drug reimbursements (coded according to the Anatomical Therapeutic Chemical (ATC))	
Individual maternal deprivation		
Problems related to education and literacy	Z55.0: Illiteracy and low-level literacy	
	Z55.1: Schooling unavailable and unattainable	
	Z55.8: Other problems related to education and literacy, Inadequate teaching	
	Z55.9: Problem related to education and literacy, unspecified	
Problems related to economic circumstances	Z59.5: Extreme poverty	
	Z59.6: Low income	
Inadequate housing	Z59.0: Homelessness;	
	Z59.1: Inadequate housing	
	Z59.8: Other problems related to housing and economic circumstances	
	Z59.9: Problem related to housing and economic circumstances, unspecified,	
Parity was coded in the delivery hospital stay for women who delivered vaginally (2015)		
Parity	JQGD001: Single breech vaginal birth by a woman who has previously given birth	
	JQGD002: Multiple vaginal birth by a woman giving birth for the first time	
	JQGD003: Single breech vaginal birth with arms extracted before head by a woman giving birth for the first time	
	JQGD004: Single breech vaginal birth by a woman giving birth for the first time	
	JQGD005: Single breech vaginal birth with breech extraction by a woman who has previously given birth	
	JQGD007: Multiple vaginal birth by a woman who has previously given birth	
	JQGD008: Single breech vaginal birth with arms extracted before head by a woman who has previously given birth	
	JQGD010: Single cephalic vaginal birth by a woman giving birth for the first time	
	JQGD012: Single cephalic vaginal birth by a woman who has previously given birth	
	JQGD013 : Single breech vaginal birth with breech extraction by a woman giving birth for the first time	
	For women who had a cesarean section, their childbirth history since 2006 was searched to identify parity	
	Previous PTB	At least one birth occurring prior to a gestational age of 37 completed weeks during previous pregnancy between 2010 and 2014.
	Previous SGA	At least one SGA between 2013 and 2014
Smoking was identified by specific coding at hospital or by the reimbursement of nicotine replacement treatments before or during pregnancy		
Previous tobacco consumption	F17: Mental and behavioral disorders due to use of tobacco	
	Z716: Tobacco abuse counselling	
	Z720: Tobacco use	
	I731: Thromboangiitis obliterans (Buerger)	
	J41: Simple and mucopurulent chronic bronchitis	
	J42: Unspecified chronic bronchitis	
	J43: Emphysema	
J44: Other chronic obstructive pulmonary disease		

T652: Toxic effect of tobacco and nicotine

N07BA01: Nicotine replacement therapy

AND:

C67: Malignant neoplasm of bladder

C16: Malignant neoplasm of stomach

C64-66,C68: Malignant neoplasms of urinary tract

C22: Malignant neoplasm of liver and intrahepatic bile ducts

C25: Malignant neoplasm of pancreas

AND:

N07BA03: nicotine replacement treatments

R03BB04, R03BB06, R03BB07: treatment of Chronic Obstructive Pulmonary Disease

Obesity

E66

**Previous
hypertension**

If women have had at least three dispensations of antihypertensive medication at three different dates in the year preceding the pregnancy (or on two dates, if at least one large package (for 3 months) of antihypertensive drugs was dispensed), or if they were hospitalized with a primary diagnosis mentioning a preexisting hypertension (ICD-10 codes: O10, O11) during pregnancy or postpartum (6 weeks postpartum).
