

SUPPLEMENTARY MATERIAL

Table S1 - Characteristics of dependent and independent variables for assessing the spatial distribution of gestational syphilis between 2008 and 2018 in Brazilian Regions of Urban Articulation.

	VARIABLES	CONCEPTUALIZATION	DATA SOURCE
DISEASE	Gestational syphilis detection rate	Number of reported cases of gestational syphilis, divided by the total number of live births in a given period and place of residence, and multiplied by 1,000.	<p>DATASUS (SINAN, SINASC)</p> <p>Number of reported cases of gestational syphilis DATASUS □ Health information (Tabnet) □ Epidemiological and Morbidity □ Notifiable Diseases and Conditions – from 2007 onwards (SINAN) □ Gestational syphilis □ Brazil by city □ □ City of residence □ Year of diagnosis □ Period from 2008 to 2018 http://tabnet.datasus.gov.br/cgi/tabcgi.exe?sinannet/cnv/sifilisgestantebr.def Accessed on June 25, 2021</p> <p>Total number of live births DATASUS □ Tabnet □ Vital Statistics □ Live births – from 1994 to 2019 □ Live births □ Birth by residence of the mother http://tabnet.datasus.gov.br/cgi/tabcgi.exe?sinasc/cnv/nvbr.def Accessed on June 25, 2021</p>
ECONOMIC AND SOCIAL	MHDI	Geometric mean of income, educational level, and longevity dimensions (equal weights).	<p>PNUD</p> <p>AtlasBrasil □ Collection □ Library □ Data Source □ Demographic census 2010 https://onedrive.live.com/?authkey=%21ABiV0mb1HeyuOxU&cid=124653557C0404EC&id=124653557C0404EC%2123017&parId=124653557C0404EC%2122899&action=locate Accessed on June 29, 2021</p>
HUMAN RESOURCES	Proportion of doctors per inhabitant in the primary health care	<p>Number of specific professionals in a given location and period, divided by the population of that location and period, and multiplied by 3,500</p> <p>3,500 is the maximum number of people covered by the professional according to the Ordinance 2,436/2017 of primary health care</p>	<p>CNES</p> <p>DATASUS □ Tabnet □ Assistance network □ CNES - Human resources from august 2007 - Occupations classified by the CBO 2002 Professionals □ Medical Doctors of Family Health Strategy, Family and Community Doctor □ Answer on SUS □ Dez/2008, Dez/2009, Dez/2010, Dez/2011, Dez/2012, Dez/2013, Dez/2014, Dez/2015, Dez/2016, Dez/2017, Dez/2018 http://tabnet.datasus.gov.br/cgi/tabcgi.exe?cnes/cnv/prid02br.def Accessed on June 28, 2021</p>

ACCESS	Percentage of primary health care coverage teams	Estimated population covered in the primary health care (i.e., percentage of the population covered by Family Health Strategy teams and equivalent traditional primary health care teams, normalized to the population estimative).	<p>Primary Care e-Manager</p> <p>Primary Health Care Coverage Search options Geographic Unit by Period <input type="checkbox"/> Cities All regions, All states, and All cities Competence December/2018.</p> <p>https://egestorab.saude.gov.br/paginas/acessoPublico/relatorios/relHistoricoCoberturaAB.xhtml</p> <p>Accessed on June 26, 2021.</p>
--------	--	---	--

MHDI: Municipal Human Development Index; DATASUS: Department of Informatics of the Unified Health System; SINAN: Notifiable Diseases Information System; PNUD: United Nations Development Program; SINASC: Live Birth Information System; CNES: National Registry of Health Establishments; CBO: Brazilian Classification Occupation Classification.