**Supplementary material:** Indicators assessed to forecast PTB at the municipality level in Brazil.

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| --- | --- |
| Domain  | Indicators assessed  |
| Social determinants of health indicators  | Average life expectancy (years)Rate of under 1 year old mortality by 1,000 live birthsRate of under 5-year-old mortality by 1,000 live birthsPercentage of population without formal educationPercentage of population with 8 or less years of educationGINI index of the municipalityPercentage of population categorized as living in povertyAverage per capita income within municipalityPercentage of households in municipality covered with water and sanitation supplyHDI index of the municipalityPercentage of people living in low-income conditions in the municipality |
| Structure of health services  | Percentage of primary care teams within the municipality that schedule referrals to specialized health consultationPercentage of primary care teams using health information systemsPercentage of primary care teams within the municipality that register the data of pregnant women receiving health care consultationsPercentage of primary care teams within the municipality that register the data of patients receiving dental consultationsPercentage of primary care team within the municipality that deliver exams to pregnant women in a timely manner to conduct necessary interventionsPercentage of primary care teams within the municipality that utilize penicillinPercentage of primary care teams within the municipality that offers a referral for ultrasound examAverage number of family health teams per primary care center within a municipalityAverage number of physicians per primary care center within a municipalityAverage number of nurses per primary care center within a municipalityAverage number of dentists per primary care center within a municipalityPercentage of primary care teams in the municipality offering health care services during two shifts a dayAverage number of medical consultation clinics per primary care team within the municipalityAverage of dental consultation clinics per primary care team within a municipalityPercentage of municipality’s primary care centers with medical records for pregnant womenPercentage of municipality’s primary care centers with tetanus/diphtheria vaccine always availablePercentage of municipality’s primary care centers with influenza vaccine always availablePercentage of municipality’s primary care centers with Hepatitis B vaccine always availablePercentage of municipality’s primary care centers with at least one of each of certain equipment materials (at least one scale, gliso meter, sonar, clinical table, spotlight for gynecological examination)Percentage of municipality’s primary care centers with at least one of each of the materials listed (at least measuring tape, speculum, endocervical brush, ayres spatula)Percentage of the municipality's primary care centers with sufficient availability of mineral salts, vitamin B9 and ferrous sulfate. |
| Primary care work process  | Percentage of primary care teams within the municipality offering prenatal care consultationsPercentage of primary care teams within the municipality with ability to provide referral for any medical examsPercentage of primary care teams within the municipality that register pregnant medical dataPercentage of primary care teams within the municipality that register vaccination of pregnant women’s medical dataPercentage of primary care teams within the municipality that register cytopathological exams of pregnant women’s medical dataPercentage of primary care teams within the municipality that offer guidance regarding the tetanus vaccine to pregnant women Percentage of primary care teams within the municipality that offer medical consultationsPercentage of primary care teams within the municipality that offer nursing consultationsPercentage of primary care teams within the municipality that offer dental consultations Percentage of primary care teams within the municipality that offer drugs to pregnant womenPercentage of primary care teams within the municipality that offer vaccinations to pregnant womenPercentage of primary care teams within the municipality that offer syphilis testsPercentage of primary care teams within the municipality that offer pregnancy testsPercentage of primary care teams within the municipality that offer HIV testsPercentage of primary care centers in the municipality with sufficient availability of antihypertensive medicationPercentage of primary care teams within the municipality with sufficient availability of antidiabetic medicationPercentage of primary care centers within the municipality with sufficient availability of antibacterial medicine |

**Label:** HDI = Human development index