

EPIDEMIOLOGY OF TUBERCULOSIS, FRANCE

2023 DATA

**SANTÉ PUBLIQUE FRANCE – INFECTIOUS
DISEASES DIVISION**

Update: January 2025

NATIONAL TUBERCULOSIS SURVEILLANCE IN FRANCE: DATA SOURCES



Mandatory notification (Santé publique France)

- | | |
|---|------------|
| • Tuberculosis disease | since 1964 |
| • Latent tuberculosis infection (children < 15 years old *) | since 2003 |
| • Treatment outcome surveillance on tuberculosis disease | since 2007 |

Laboratory data (National reference laboratory for mycobacteria and anti-tuberculosis drug resistance)

- MDR case reports
- Anti-TB drug resistance (hospital laboratory network)

Mortality data (INSERM, CépiDc) : death certificates

* < 18 years old since 2021

CASE DEFINITIONS FOR TUBERCULOSIS SURVEILLANCE IN FRANCE



Tuberculosis disease

Confirmed. Disease confirmed by culture (*Mycobacterium tuberculosis* complex) or by a DNA + for *M.tuberculosis* in an AFB positive sample

Or

Probable. Clinical and/or radiological signs compatible with tuberculosis and clinician's decision to treat with a full anti-TB treatment

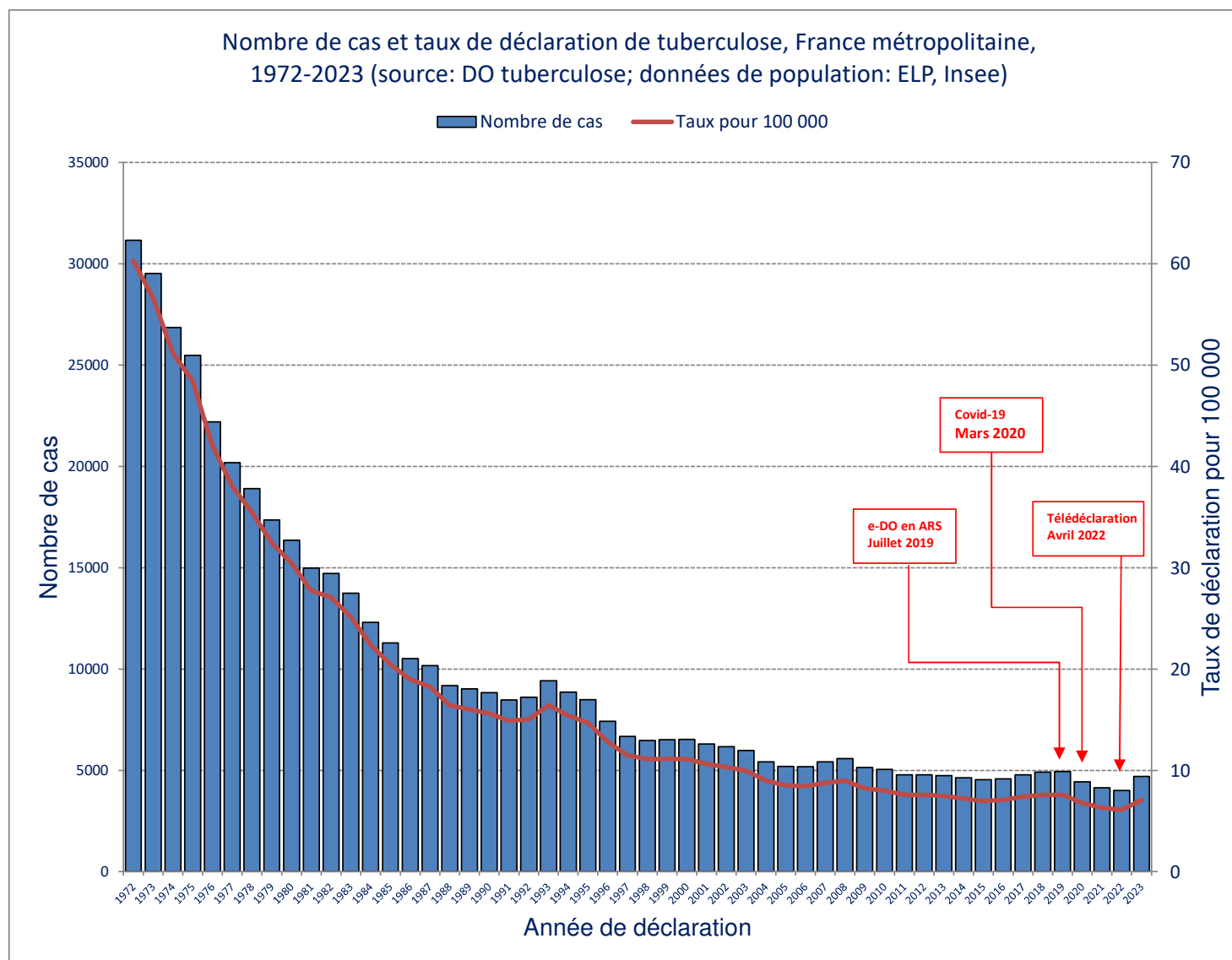
Tuberculosis infection (in persons aged < 18 years old)

Positive 5TU tuberculin skin test without clinical or paraclinical signs (induration > 15mm if BCG, or > 10 mm without BCG, or increase of at least 10 mm compared to previous TST < 2 years) or positive IGRA test

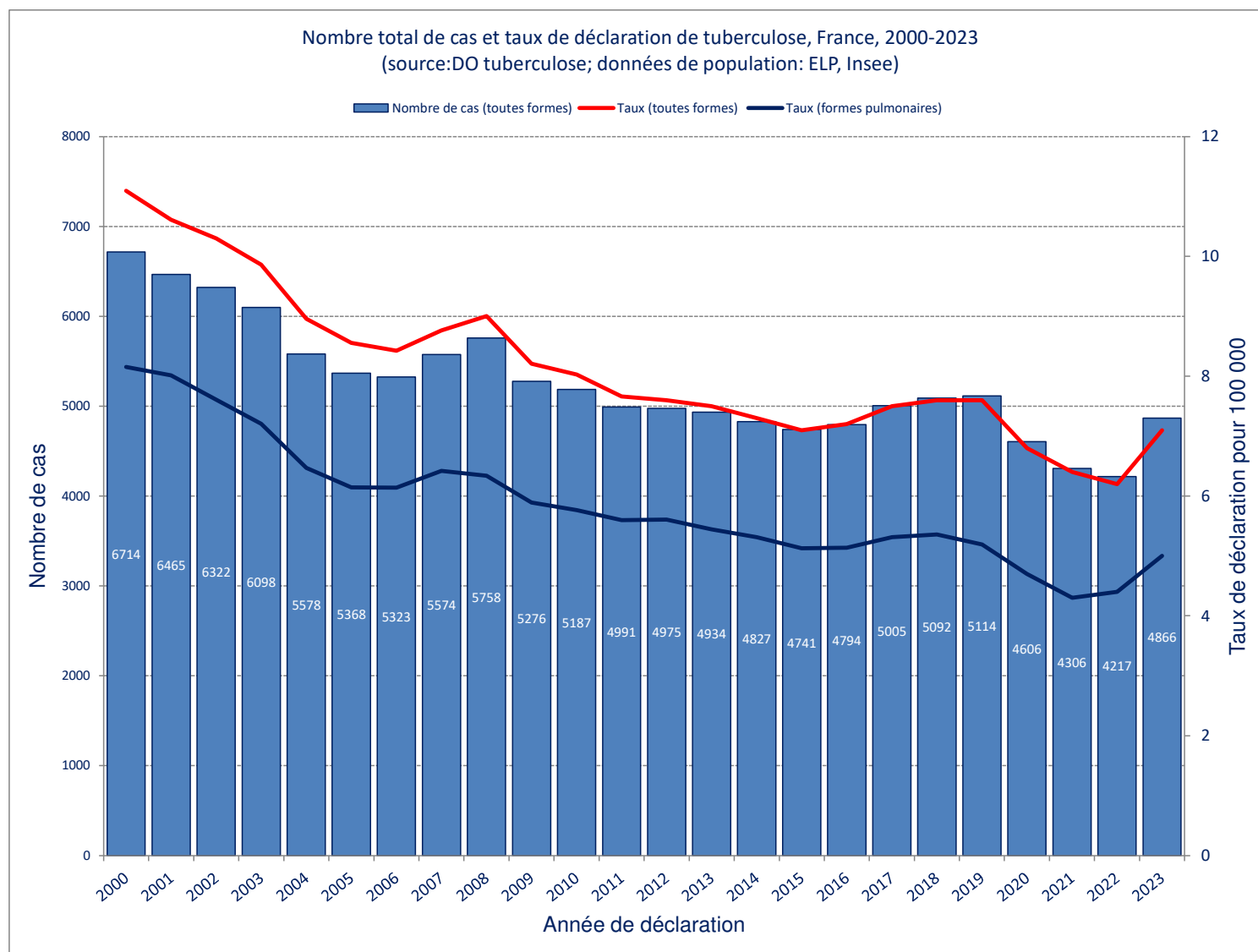
Mycobacteria from tuberculosis complex

M. tuberculosis, *M. bovis* , *M. africanum*, *M. microtti*, *M. canetti*, *M. pinnipedii*, *M. caprae*

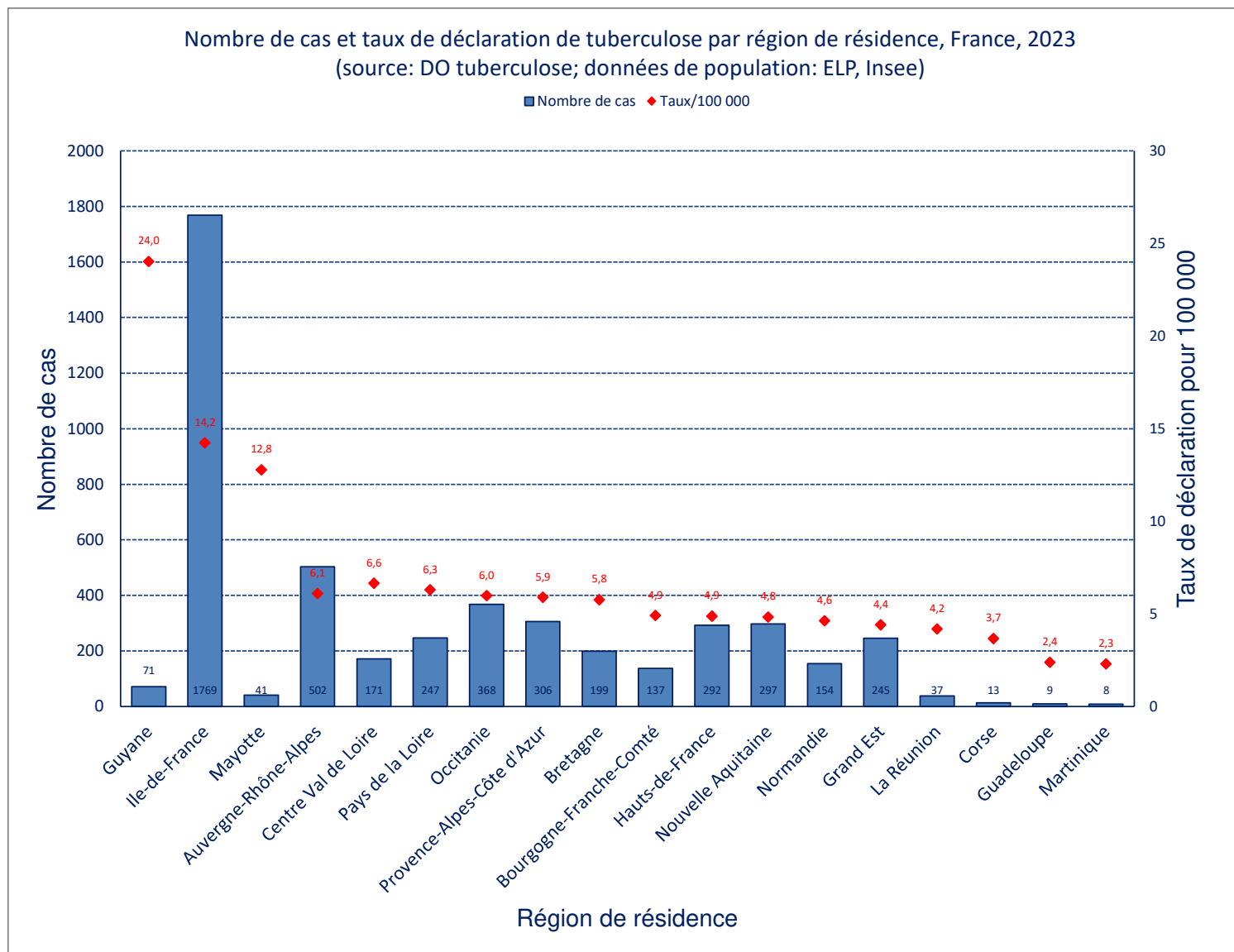
TUBERCULOSIS MORBIDITY, FRANCE, 1972-2023



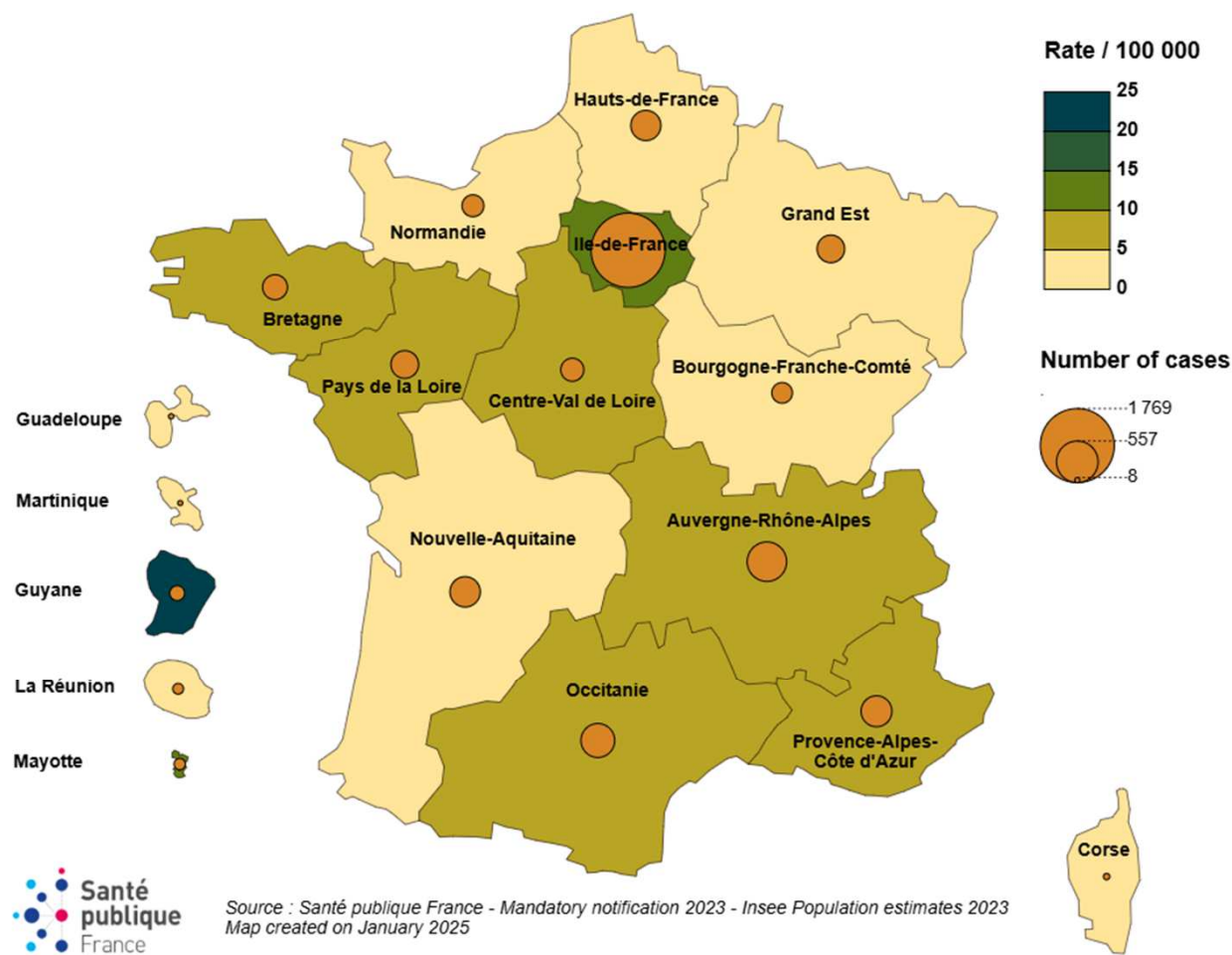
NUMBER OF TUBERCULOSIS CASES AND NOTIFICATION RATE BY CLINICAL FORM, FRANCE, 2000-2023



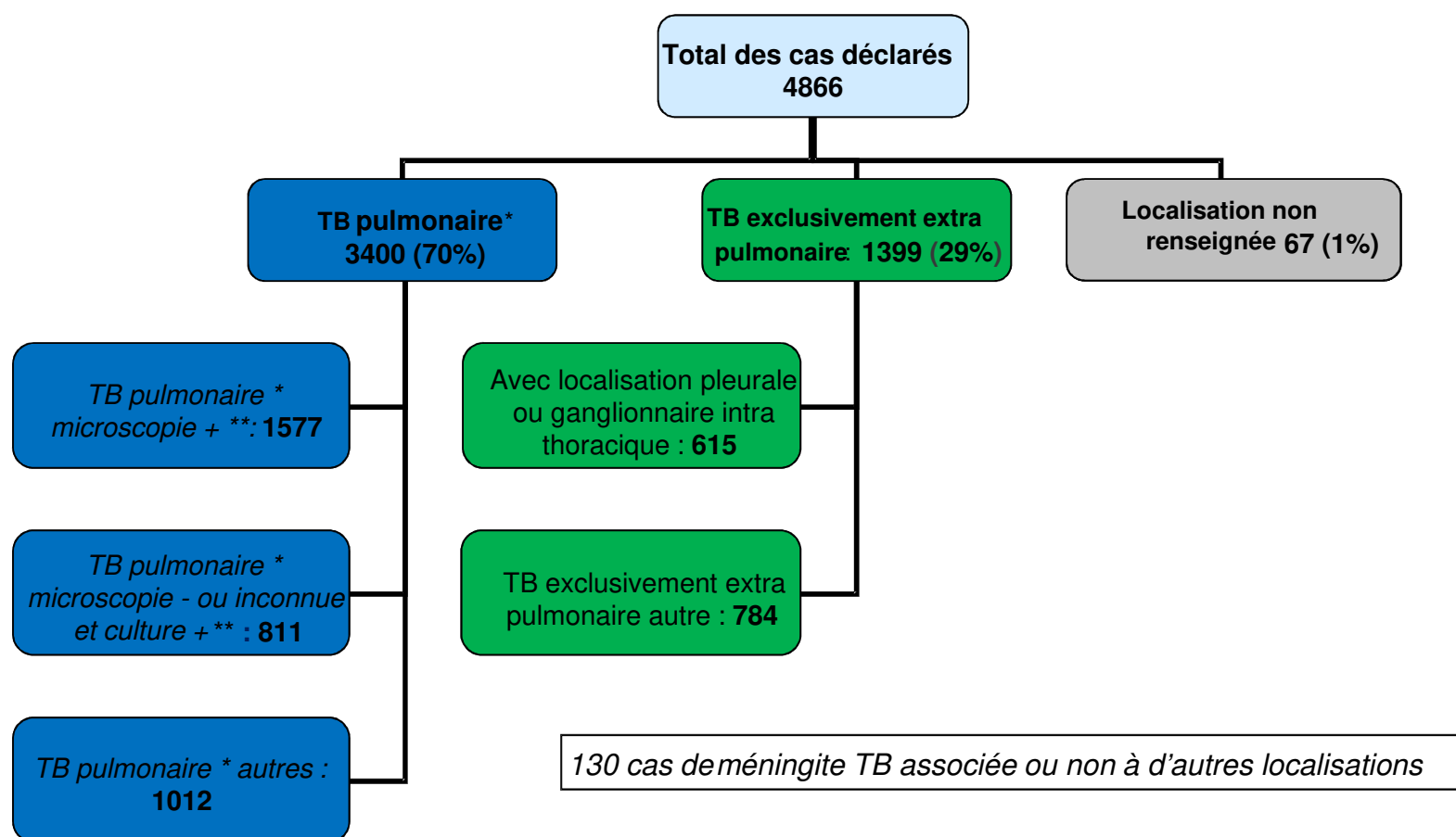
NUMBER OF TUBERCULOSIS CASES AND NOTIFICATION RATE BY REGION OF RESIDENCE, FRANCE, 2023



TUBERCULOSIS CASES AND NOTIFICATION RATE BY REGION OF RESIDENCE, FRANCE, 2023



TUBERCULOSIS CASES NOTIFIED BY SITE OF DISEASE, FRANCE, 2023



* with or without extra pulmonary localisation

** respiratory specimen

Source: Santé publique France, mandatory notification

TYPE OF RESIDENCE OF NOTIFIED TB CASES, FRANCE, 2023

Type of residence	N	%
Congregate settings	776	18,5% *
<i>Sheltered housing</i>	508	12,1%
<i>Nursing home for elderly</i>	24	0,6%
<i>Prison</i>	45	1,1%
<i>Other</i>	164	3,1%
<i>No information available</i>	8	0,2%

Homeless persons	
Number of cases	227
Percentage	6,5% **
Rate (/100 000)	69

* Among cases with known information (776/ 4188); ** Among cases with known information (227/ 3497)

Source: Santé publique France, mandatory notification, Population data for the homeless: Fondation Abbé Pierre/Insee

TUBERCULOSIS CASES NOTIFIED BY SEX, AGE GROUP AND BIRTHPLACE, FRANCE, 2023



Sex ratio

68% male

[3293 male and 1573 female]

Age (years)	
Median	37 y.o.
<5	2.2%
5 - 14	3.1%
15 - 24	18.8%
25 - 44	37.4%
45 - 64	20.8%
65 +	17.7%

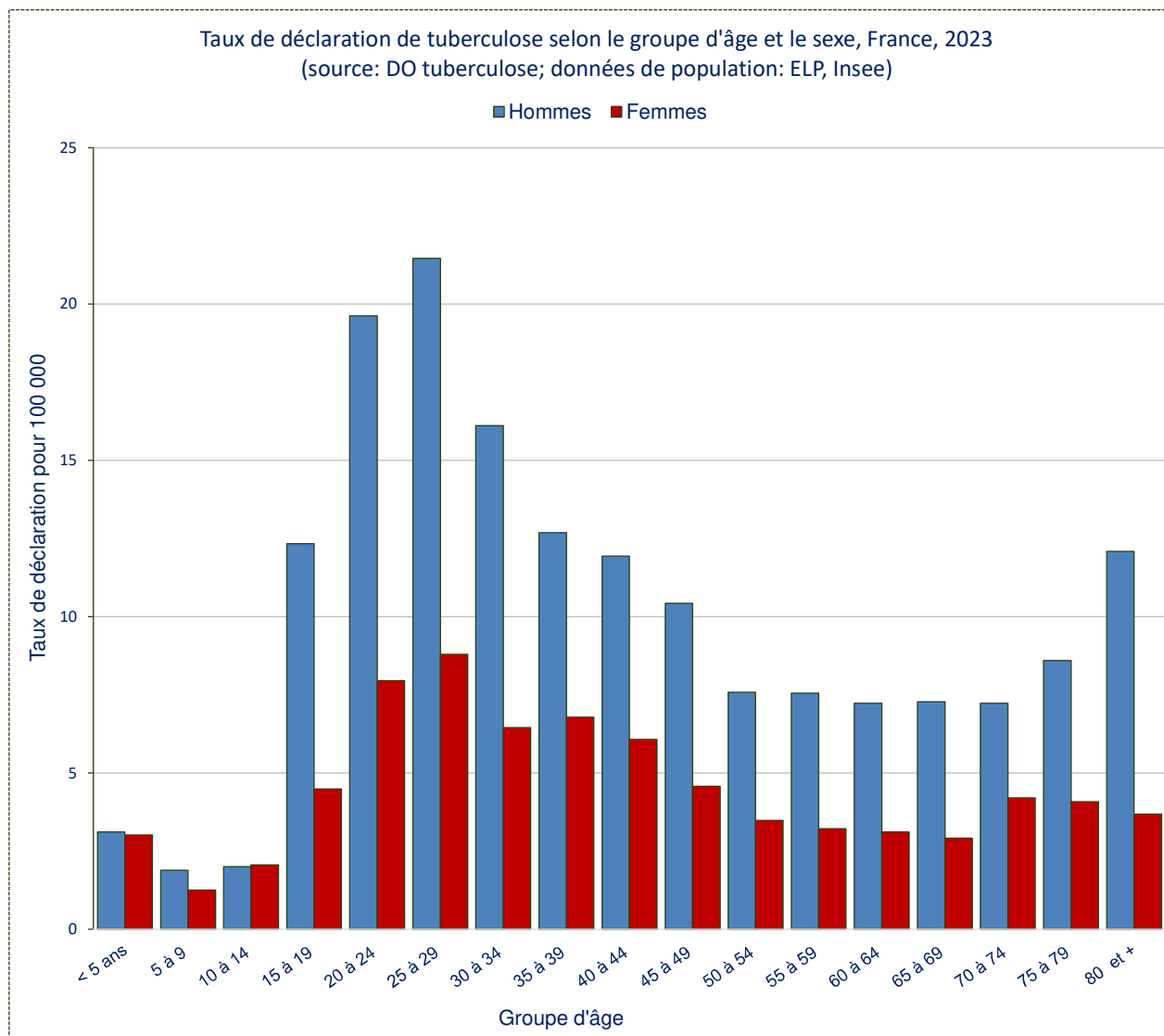
Place of birth*

France (<i>n=1232</i>)	29 %
Foreign-born (<i>n=3058</i>)	71 %

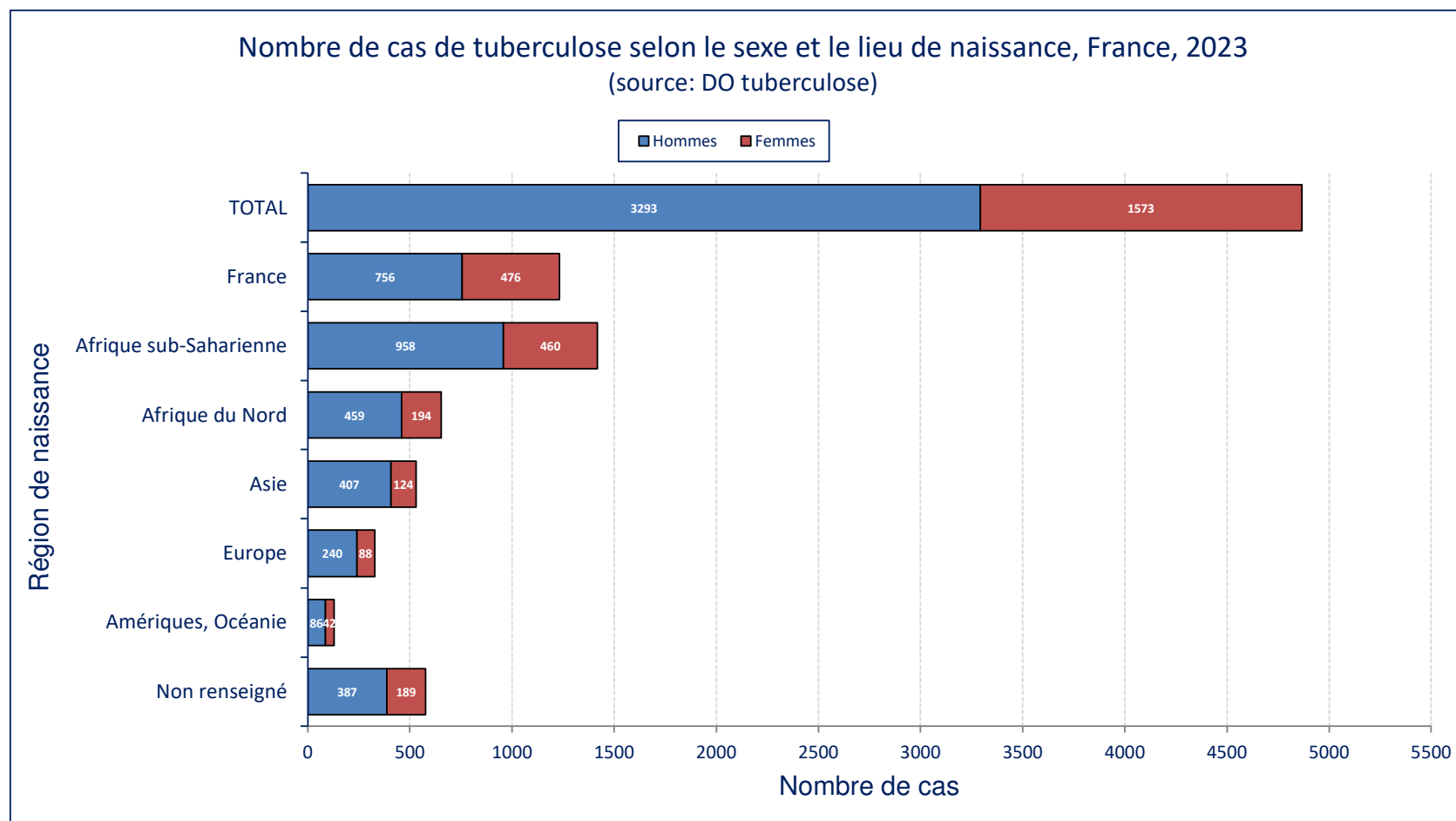
* 559 cases (11%) cases with no available information on country of birth

Source: Santé publique France, Mandatory notification

TUBERCULOSIS NOTIFICATION RATE BY AGE GROUP AND SEX, FRANCE, 2023



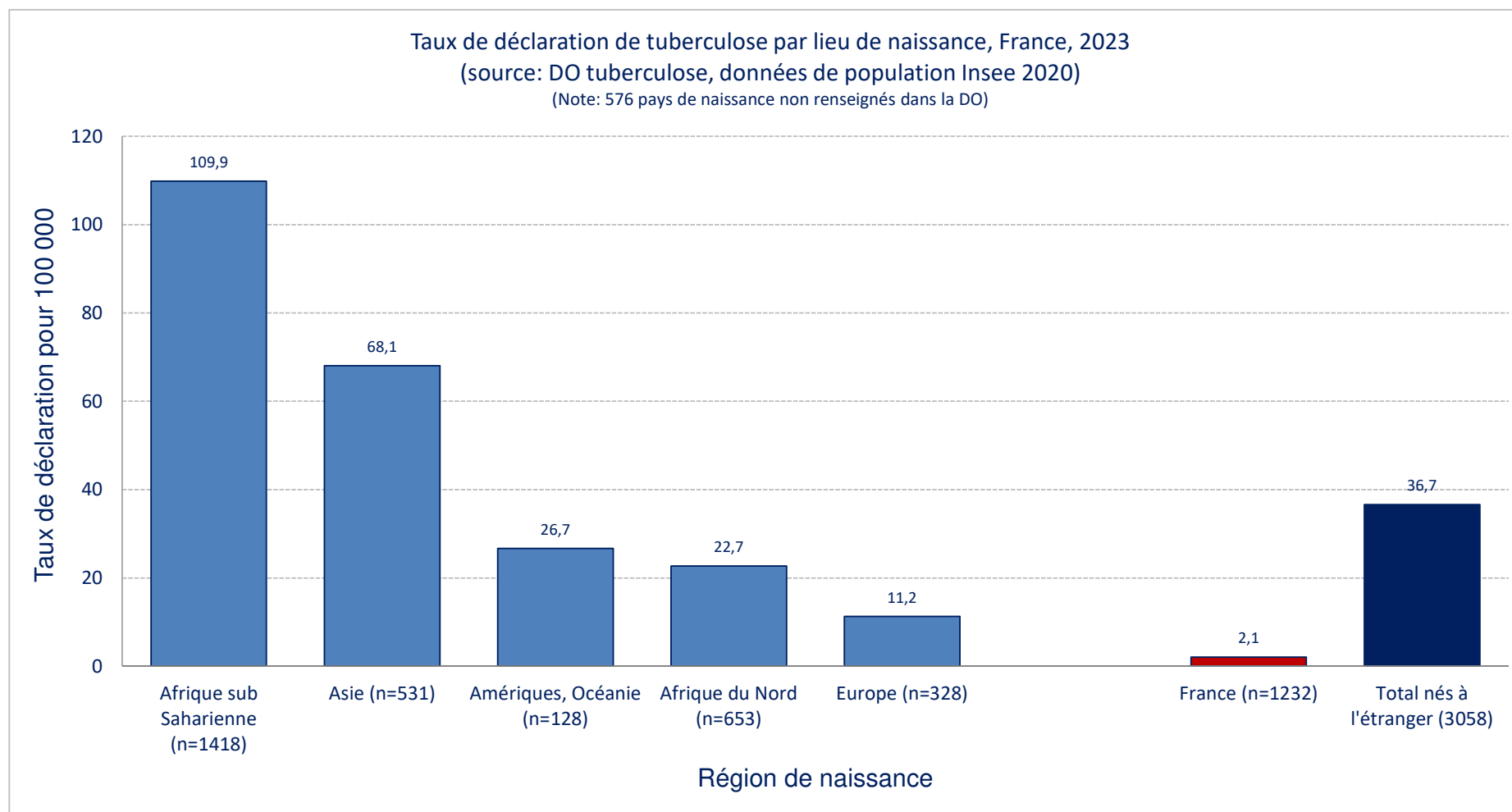
NUMBER OF TUBERCULOSIS CASES NOTIFIED BY PLACE OF BIRTH AND SEX, FRANCE, 2023



* Europe : excluding France, including Central and Eastern Europe

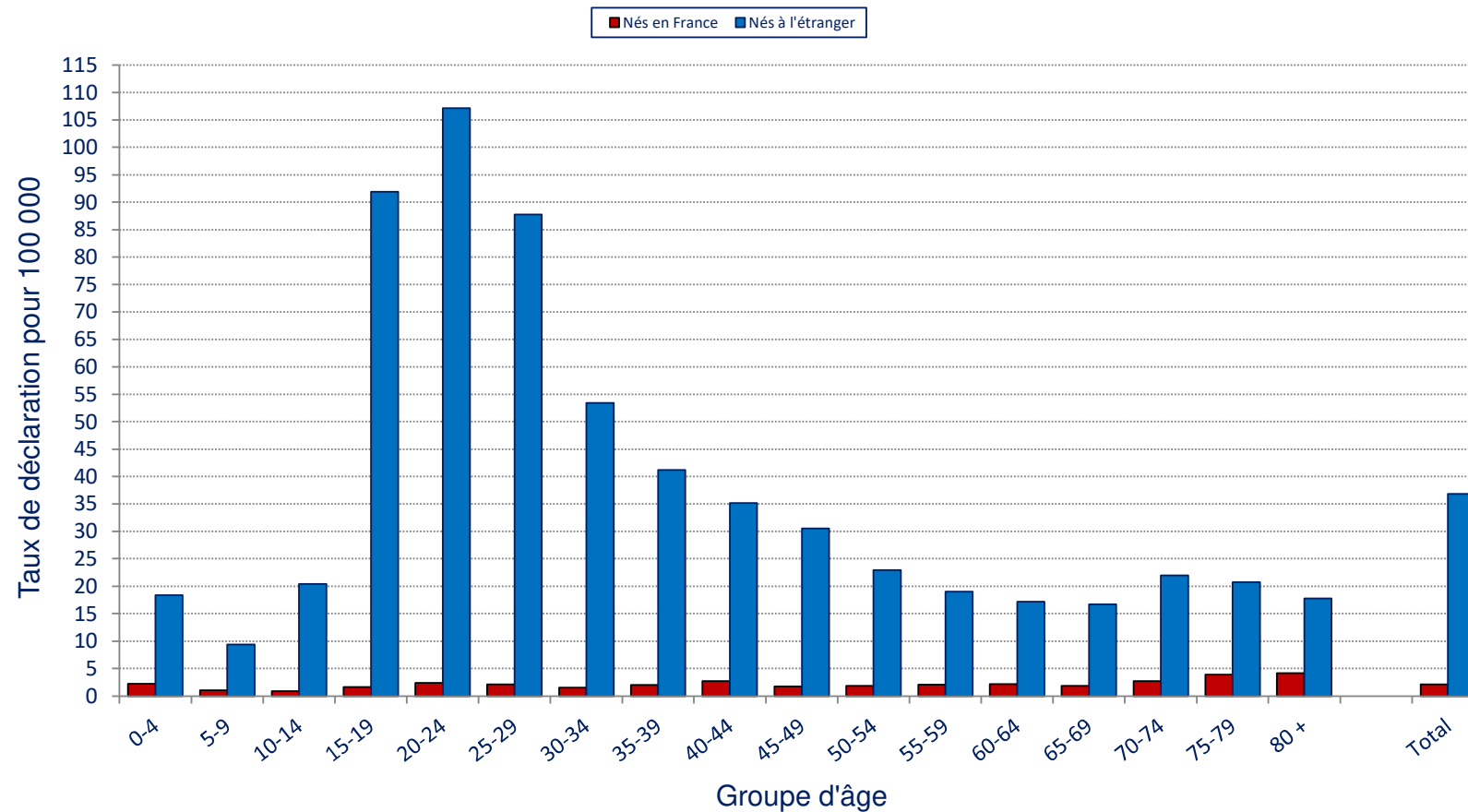
Source: Santé publique France, mandatory notification

TUBERCULOSIS NOTIFICATION RATE BY PLACE OF BIRTH, FRANCE, 2023



TUBERCULOSIS NOTIFICATION RATE BY AGE GROUP AND PLACE OF BIRTH, FRANCE, 2023

Taux de déclaration de tuberculose par groupe d'âge et lieu de naissance, France, 2023
(source: DO tuberculose, données de population Insee 2020)



CONTEXT OF DIAGNOSIS BY AGE GROUP, TUBERCULOSIS CASES NOTIFIED, FRANCE, 2023

Proportion of tuberculosis cases according to the context of diagnosis, France, 2023
(source: TB mandatory notification)

