



HNTC UPDATES

Epidemiology of TB

Why Are We Here?

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Objectives

- Trends of TB Globally
- TB in the USA
- HNTC Consultation service



**Why are we
here?**



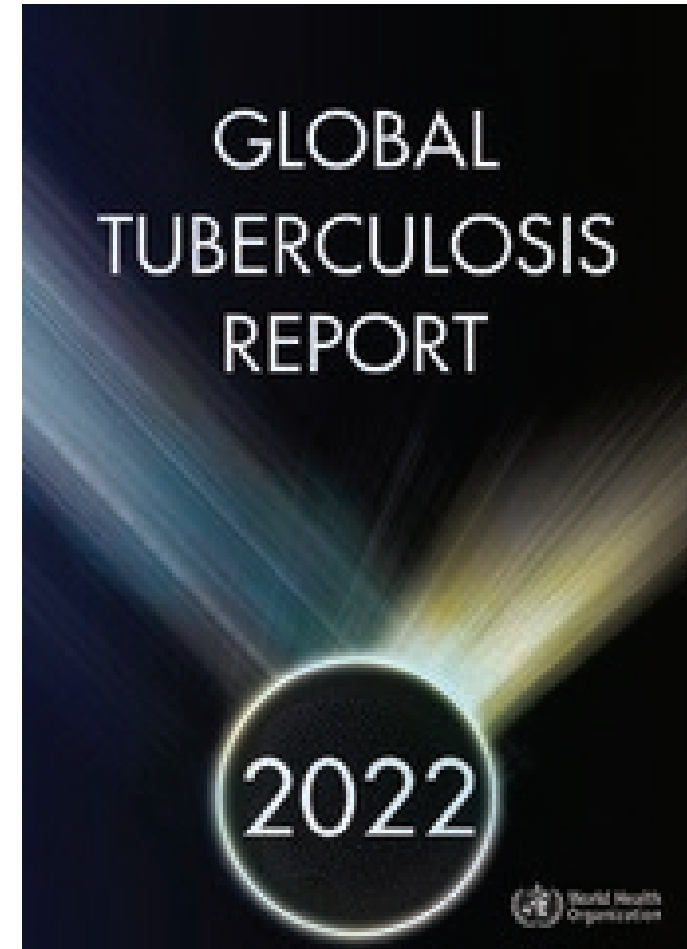
You are here

**Because YOU ARE
SPECIAL!!!!**



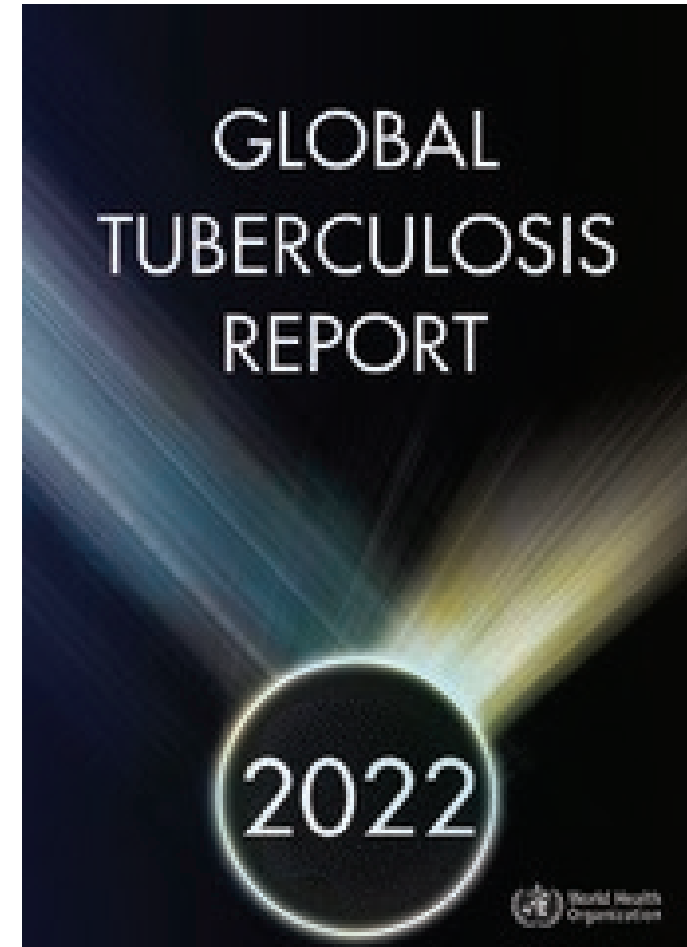
The Challenge of TB in 2021

- TB is the **second** leading infectious killer
- TB is the **leading killer** of people with HIV
- In 2021 an estimate of **10.6 million** people fell ill with TB disease worldwide
- **1.6 million** people died from TB in 2021



The Challenge of TB in 2021

- **1.2 million children** fell ill with TB globally
- Multidrug-resistant TB (MDR-TB) remains a public health crisis
- Only about **one in three people** with drug resistant TB accessed treatment in **2020**
- **India, China and the Russian Federation** account for one half of DR global burden





TB in USA

Do you know how many cases
there were of TB in USA in
2021?



- A. 1,380
- B. 15,100
- C. 7,860
- D. I don't know...



Tuberculosis in USA 2021

- A total of **7,860** TB cases provisionally reported to national surveillance
- **71 %** TB occurred among non-US born persons



Do you know how many
laboratory confirmed
RR/MDR cases were
reported in USA in 2021?

- A. 89
- B. 56
- C. 102
- D. no idea..



Tuberculosis in USA 2021

- **102** Laboratory-confirmed -MDR/RR-TB in 2021
- **7** Laboratory-confirmed cases – pre-XDR-TB



4 States account for almost 50% of all TB cases in USA... *can you name them?*



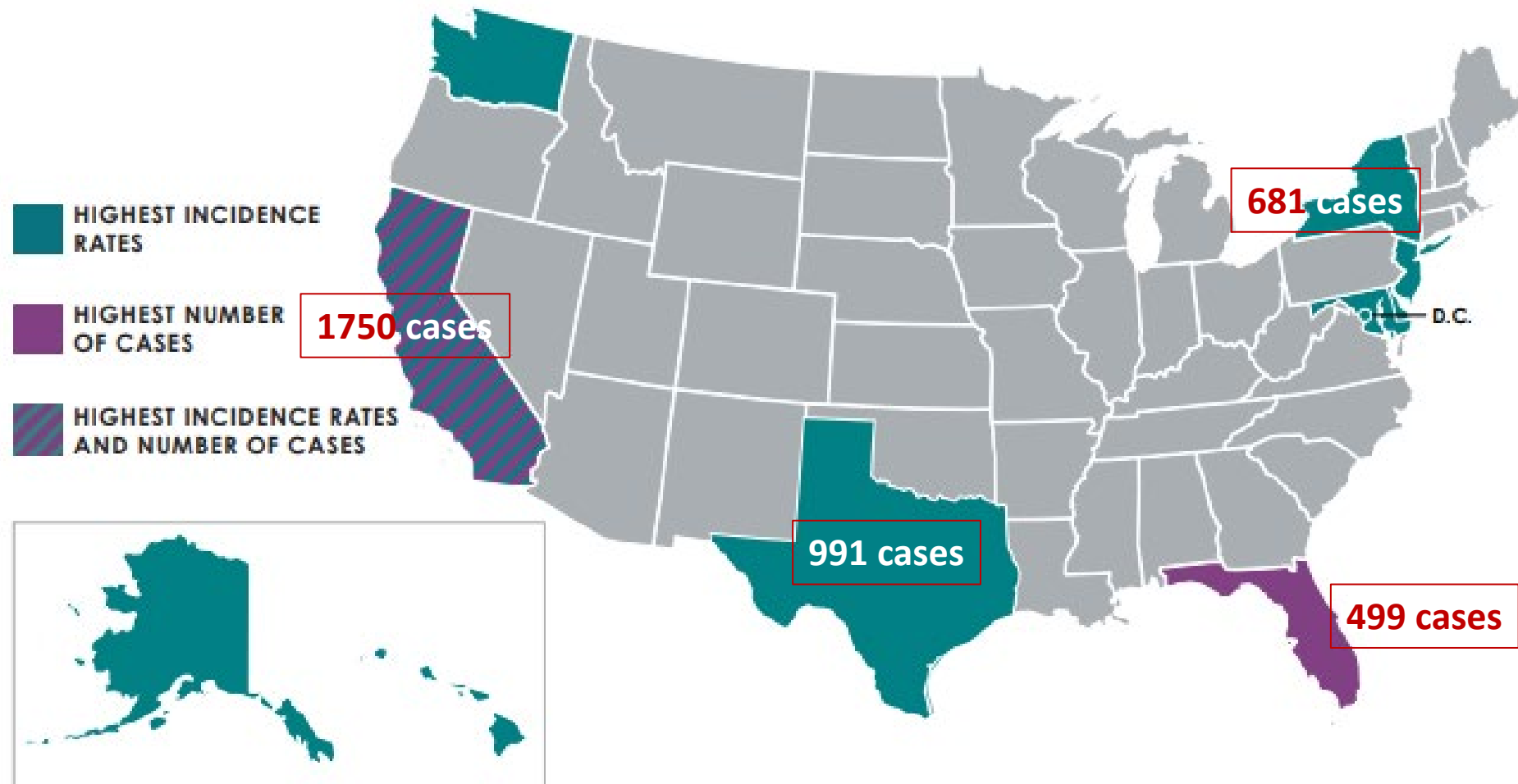
- A. TX, NY, OK, NE
- B. CA, NY, TX and FL
- C. IA, KS, NY and CA
- D. AK, WI, MO and FL
- E. Non of the above



You got this!!!
***California, Texas,
Florida and New York***

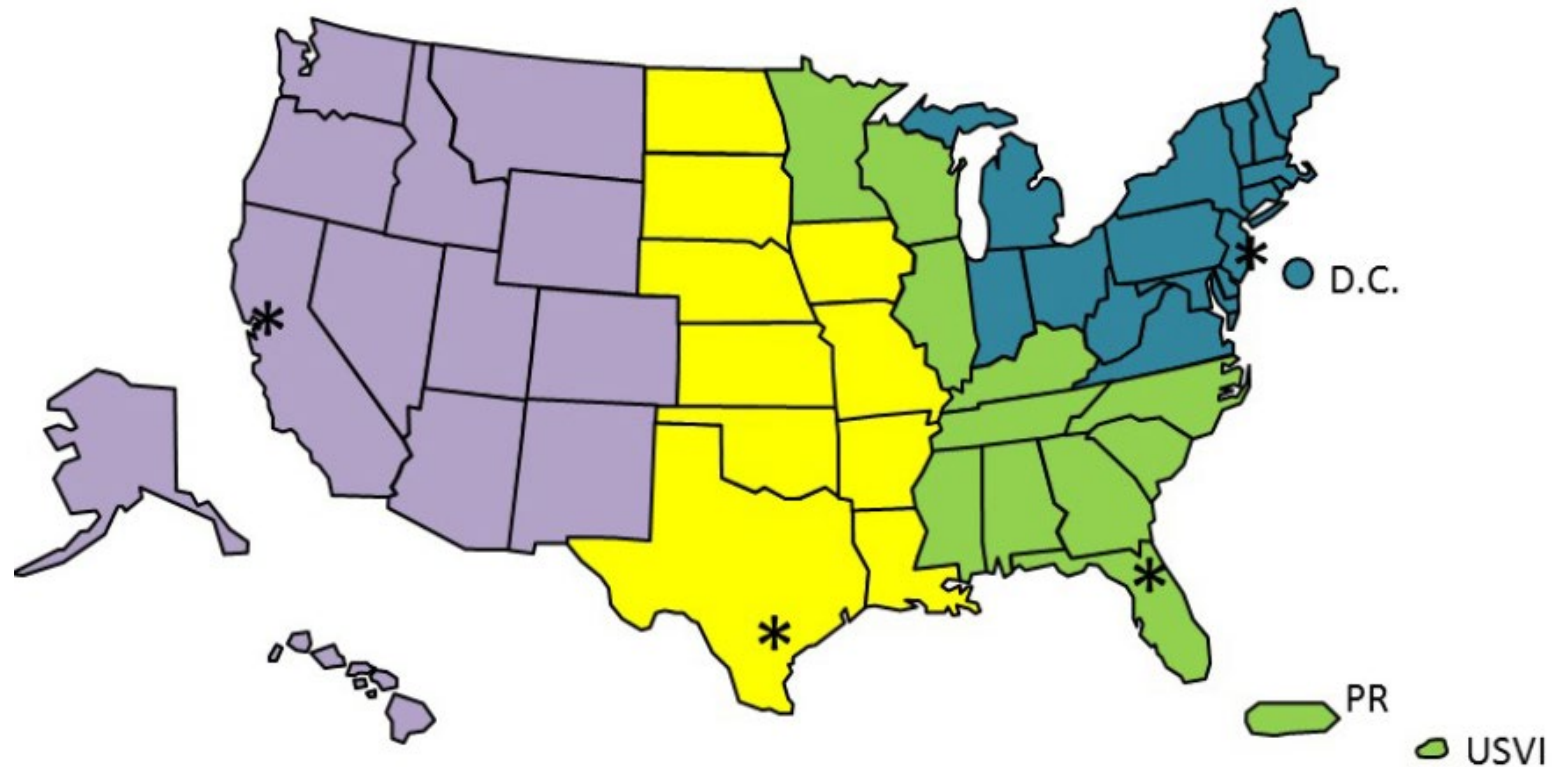


US States with the Highest Numbers of TB Cases and Incident Rates 2021



†Highest incidence rates are defined as those above the national average (2.4 per 100,000).

TB in the HNTC Region



- | | |
|------------------------------------|---------------------------------|
| Curry International TB Center | Southeastern National TB Center |
| Heartland National TB Center | Global TB Institute |
| Jointly Served by all 4 TB Centers | * Center Location |



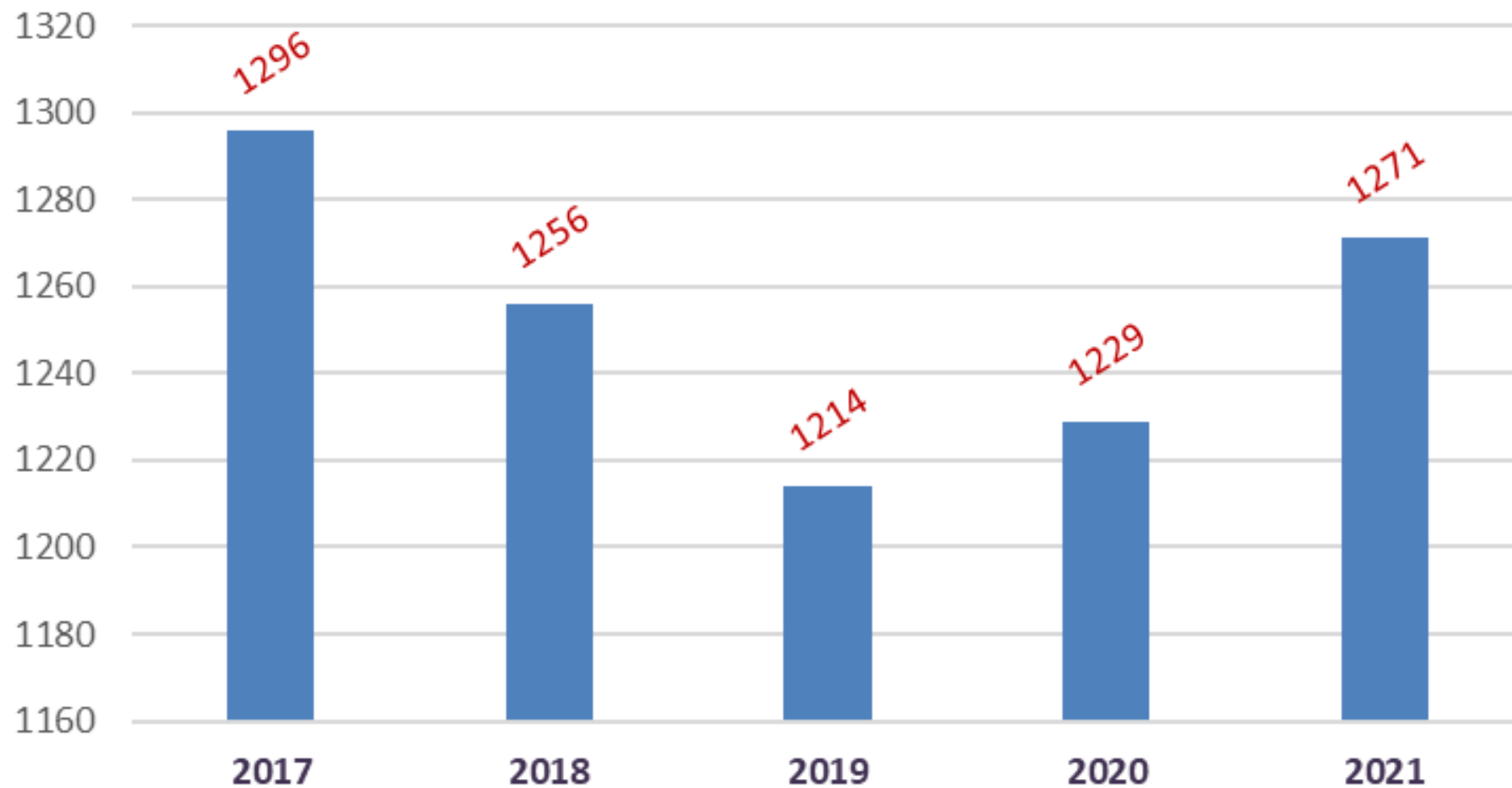
How many consults does Heartland provide in a year (in average)?

- A. 1200
- B. 550
- C. 890
- D. A lot!!

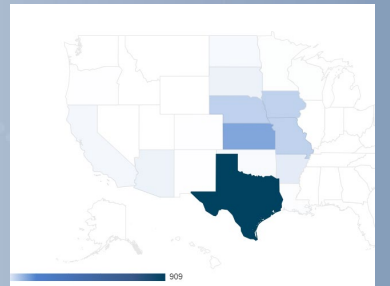




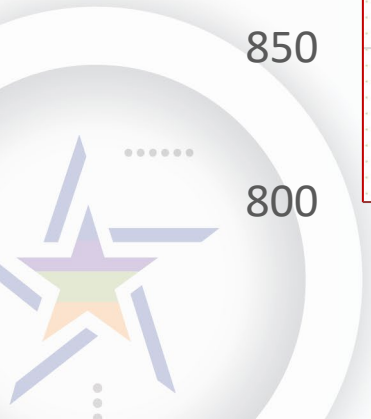
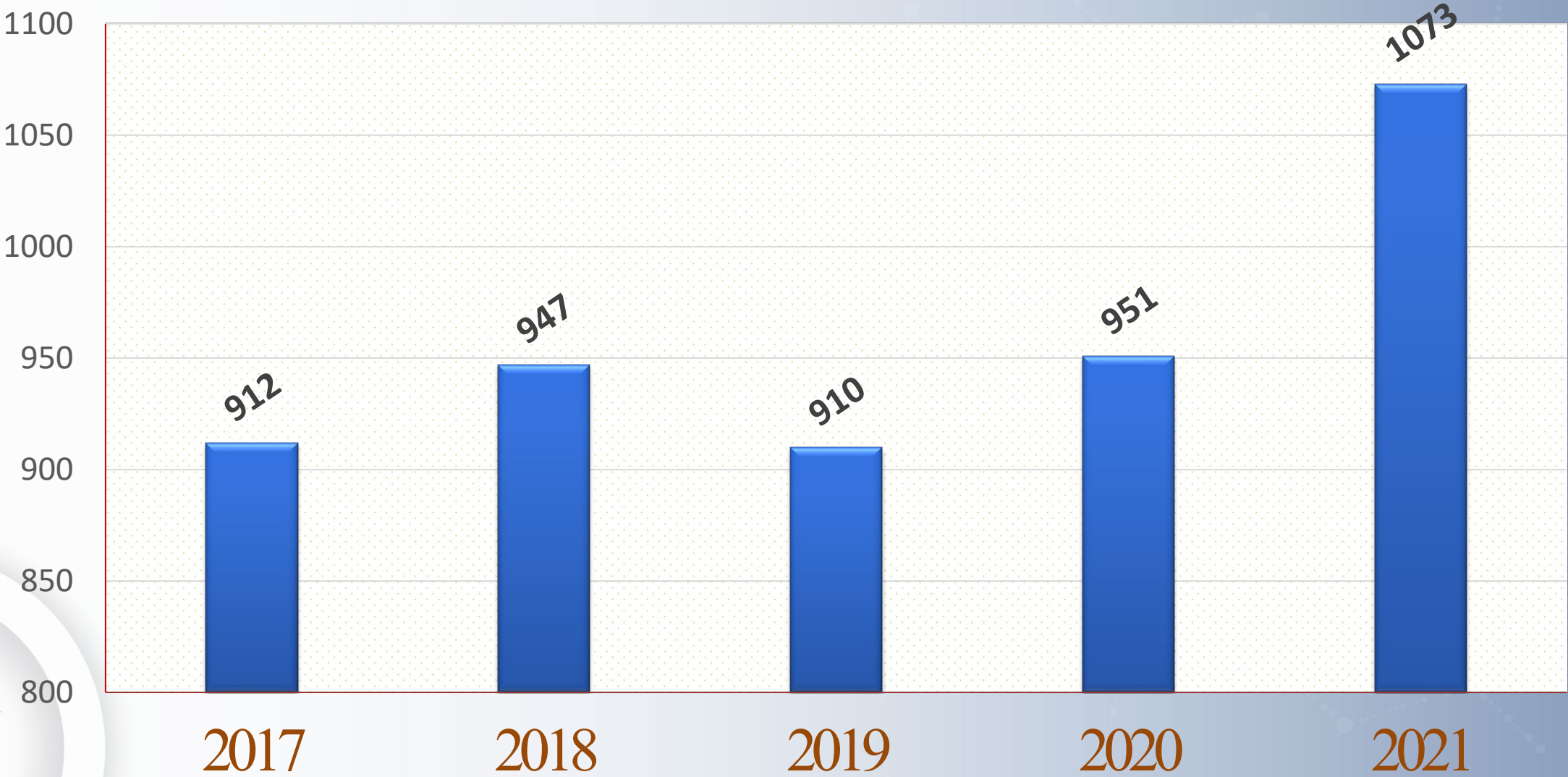
Number of consults by Year



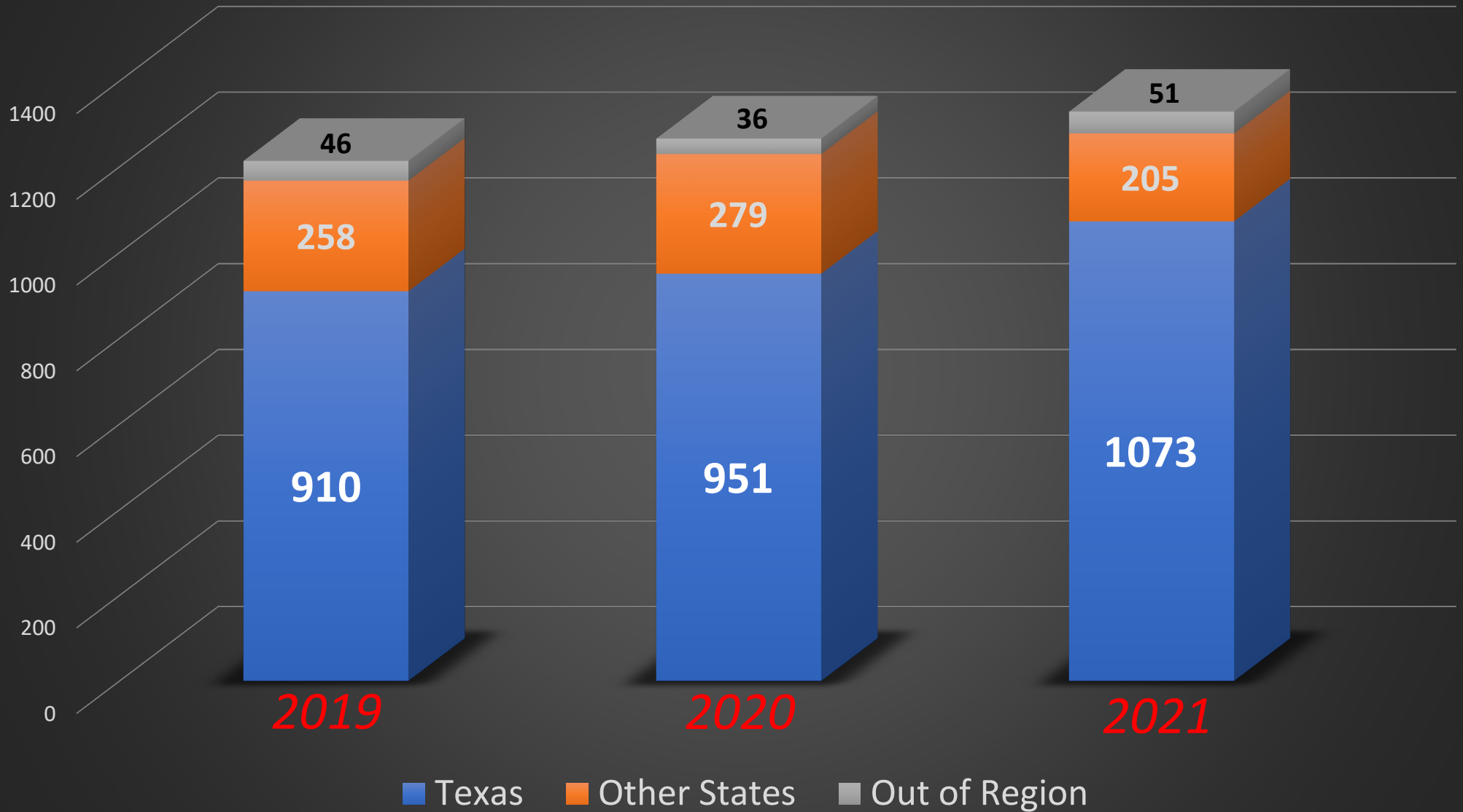
**Which state
keeps us busier?**



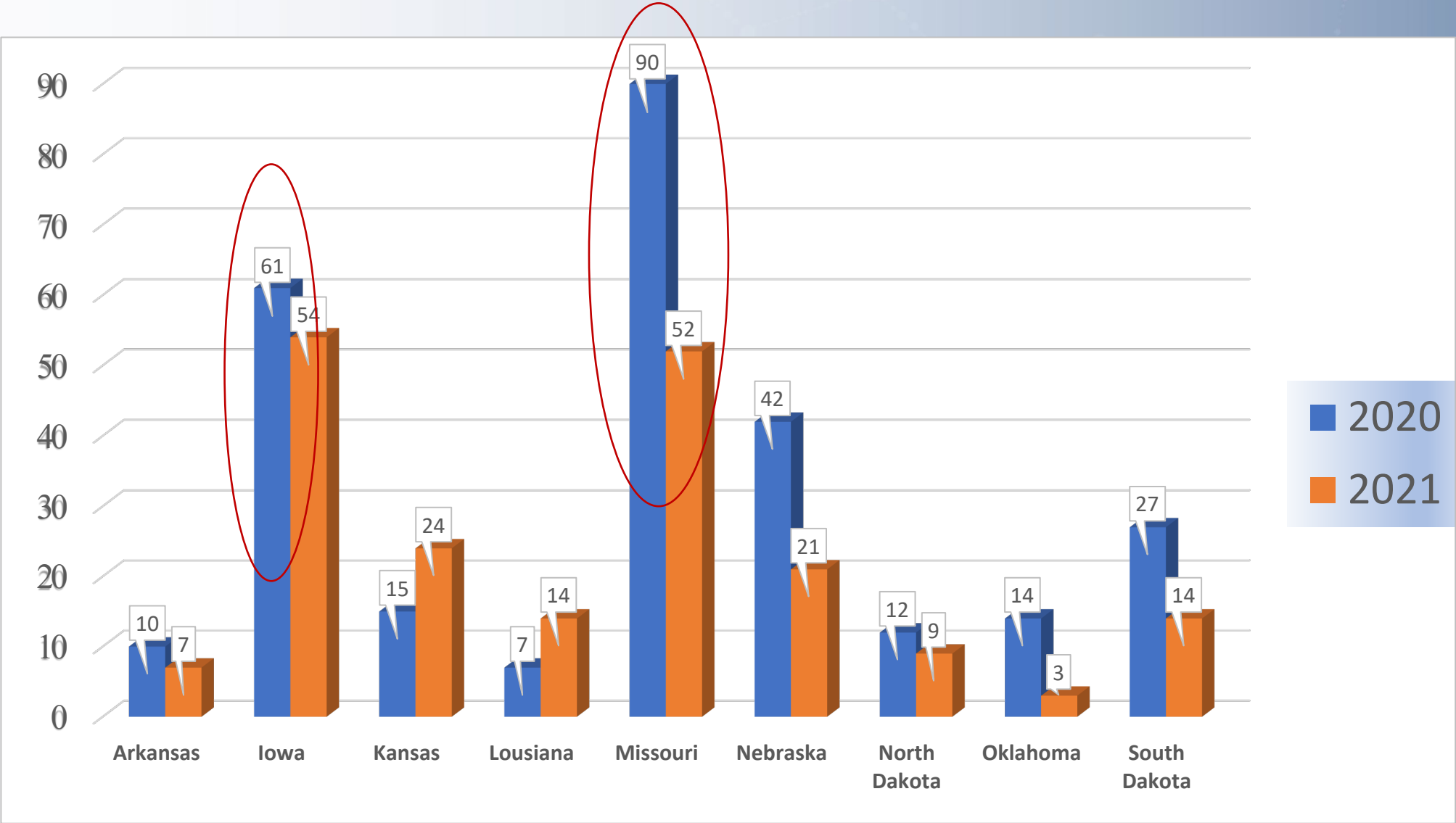
HNTC Texas Consults by year



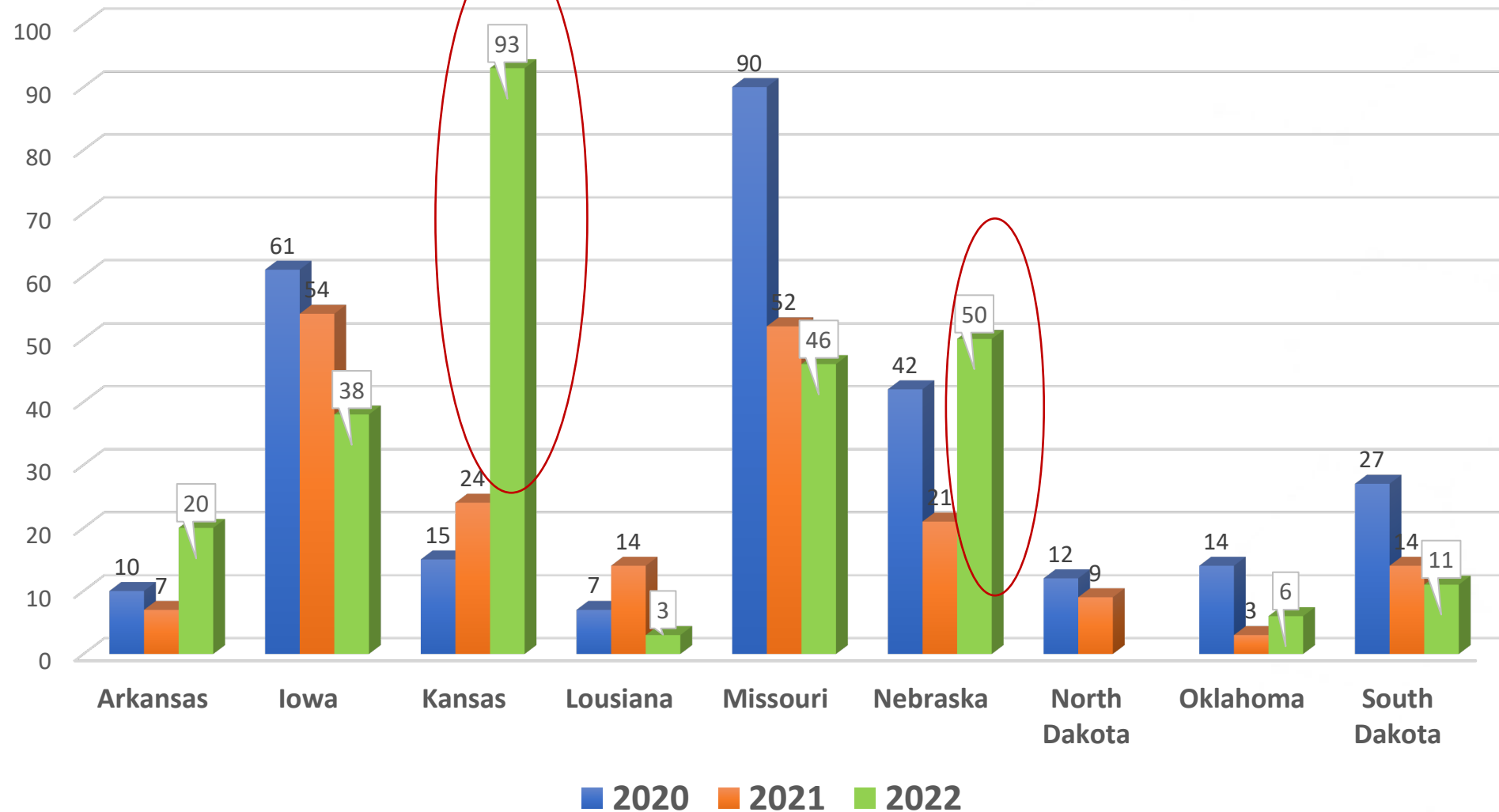
HNTC Consults by States by Year Comparison



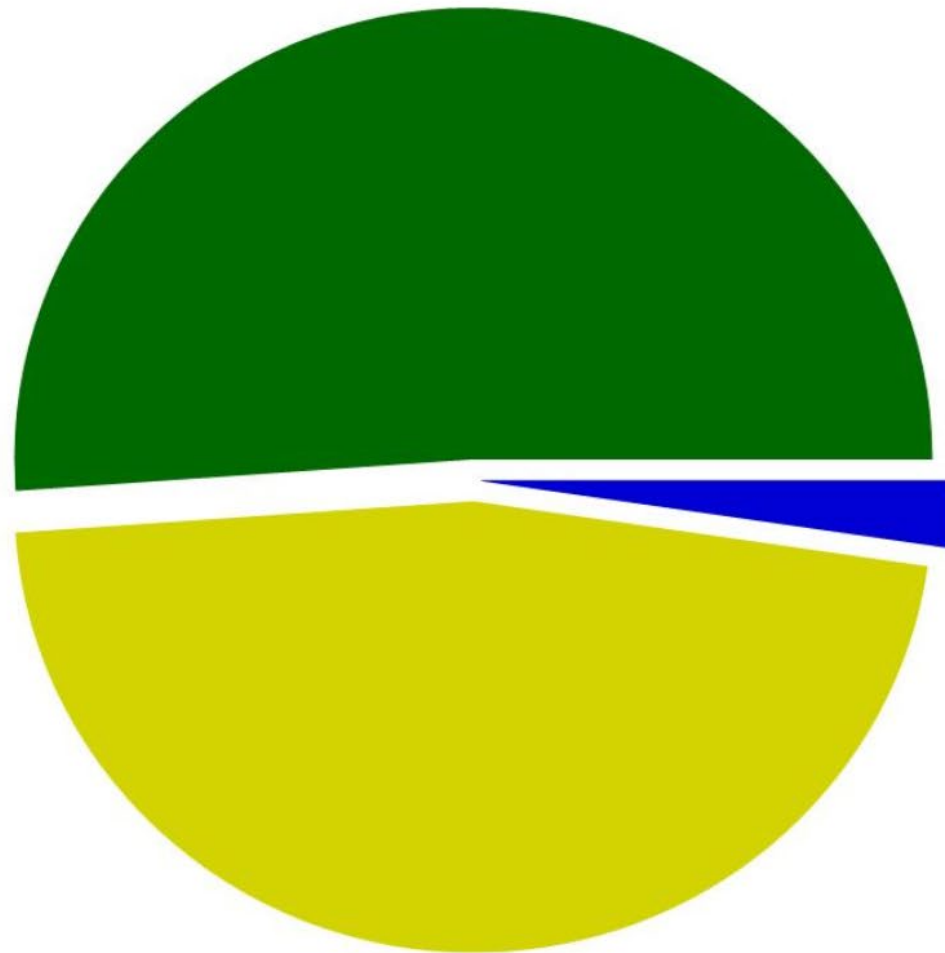
Consultations by States (Non-Texas) 2020-2021



Consults by State comparison with First half of 2022



Number of Consultation by Occupation 2021

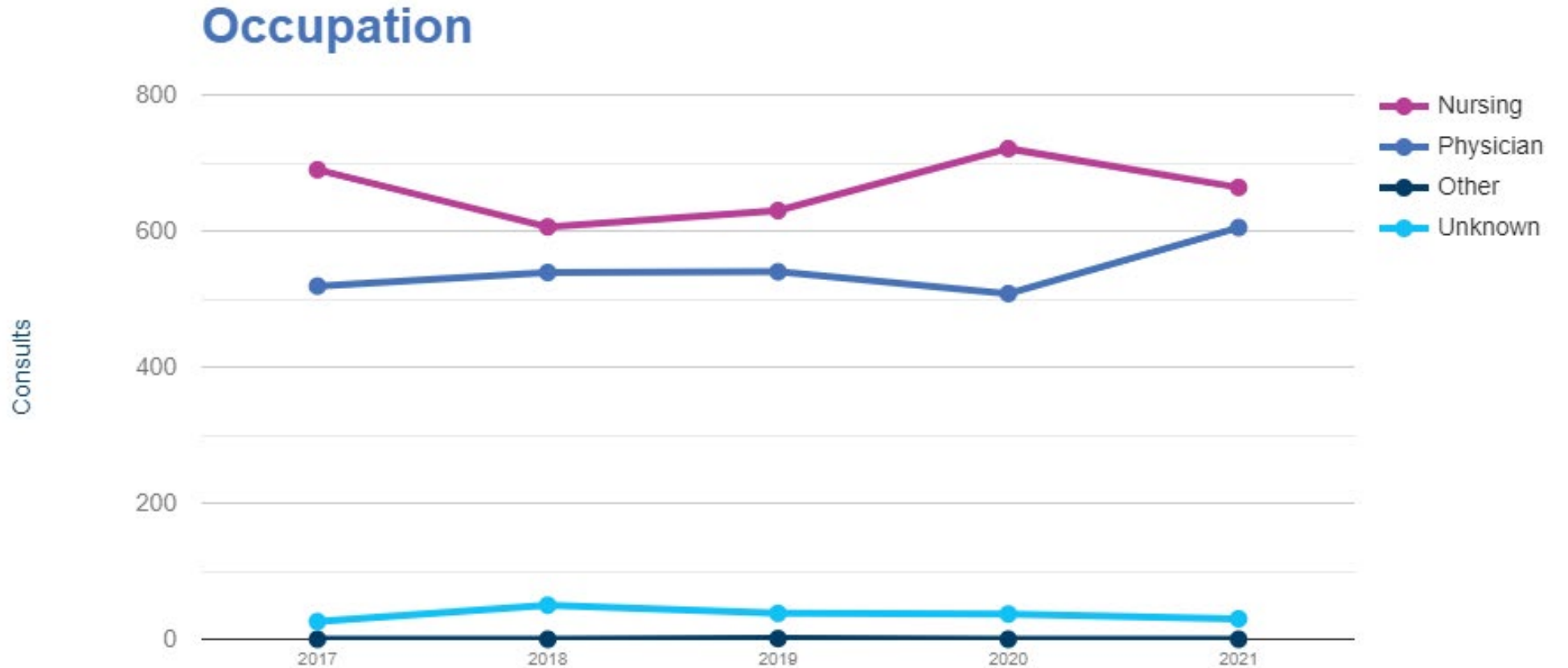


Legend

- Nursing - 664 (51.12%)
- Physician - 605 (46.57%)
- Other - 30 (2.31%)

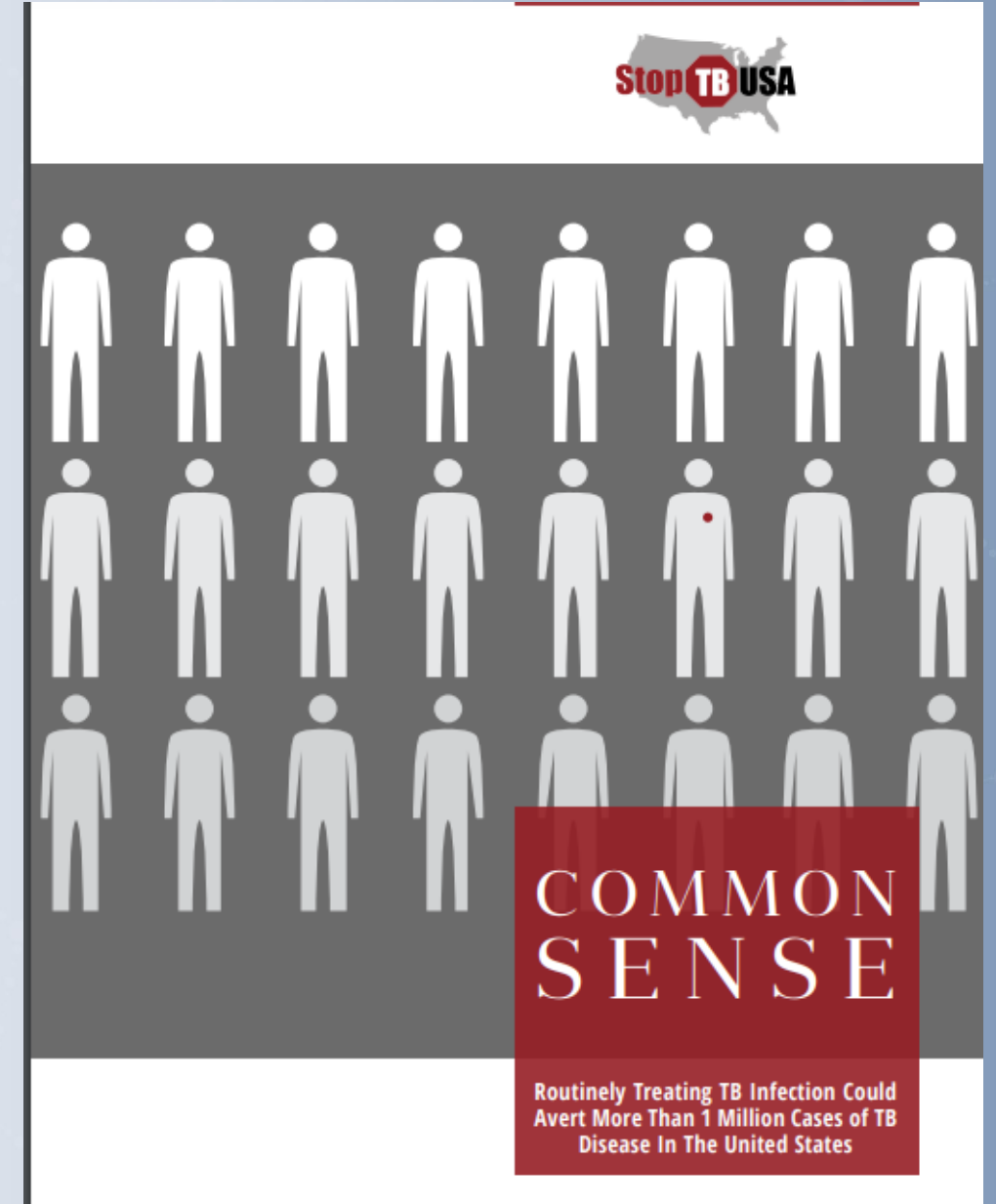


Consultation by Occupation



The Major Challenge in USA is Latent TB

**Routinely treating TB
Infection could avert
more than **1 million**
cases of TB disease in
the United States**





Nurse Meeting 2008





Nurse Meeting 2010







THANK YOU!!!