

Overview

Region 1 is the state’s highest TB burden region. From 2000 to 2018*¹ Region 1 has accounted for an average of one third of TB cases in Louisiana. The case rate, number of cases per 100,000 population, in Region 1 has been higher than the state-wide case rate from 2010-2018. Region 1 follows the state trends of higher case rates among males than females, among Asians and Black/African Americans than Whites, and among Hispanic/Latinos than Non-Hispanic/Latinos. Region 1 had a higher percentage of foreign born case and similar percentage of pulmonary cases from 2010-2018. Excessive alcohol consumption, non-injection drug use, HIV and diabetes co-infection were the most common risk factors at the state and regional level.

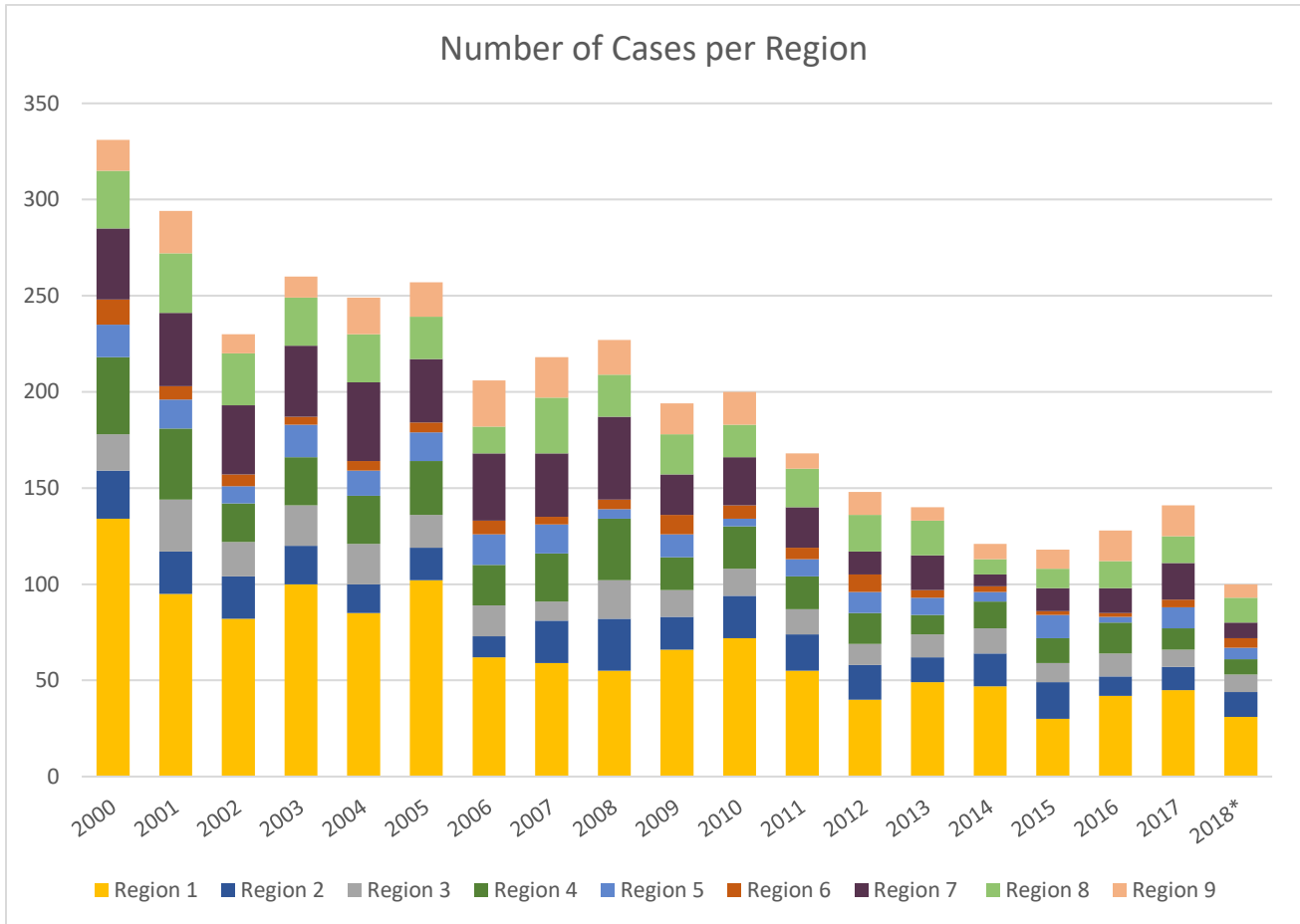


Figure 1. Number of TB cases per region in Louisiana from 2000 to 2018.

¹ *throughout the report 2018 accounts for all cases counted prior to 12/17/2018. 2018 case rates were calculated using 2017 mid-year population estimates.

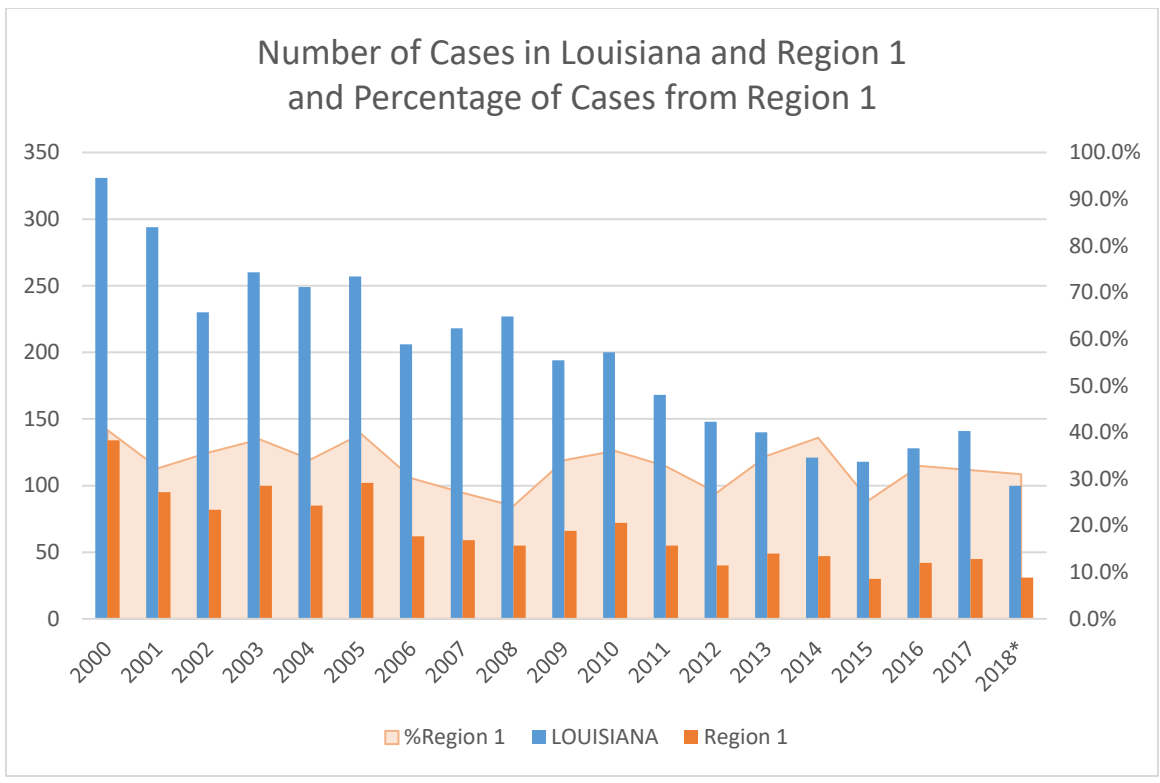


Figure 2. Number of TB cases in Louisiana and Region 1 and percent of state total cases from Region 1 from 2000 to 2018.

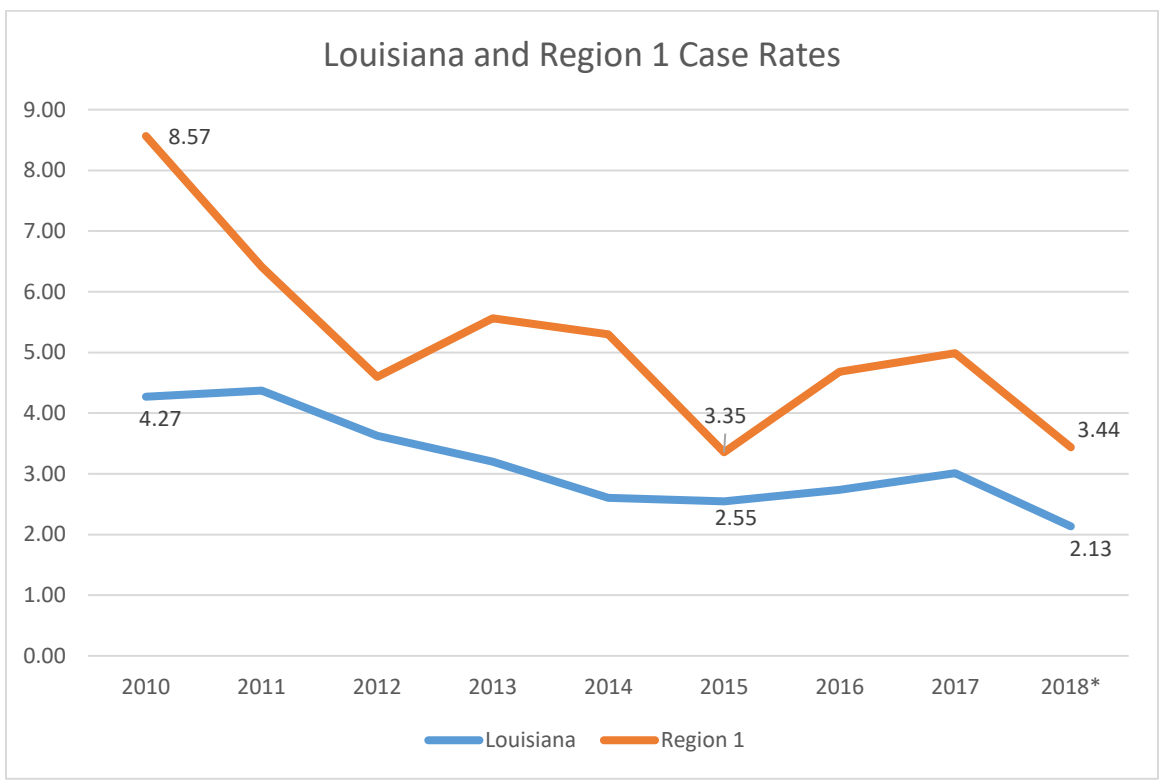


Figure 3. TB case rates for Region 1 and Louisiana from 2010-2018.

TB by Sex

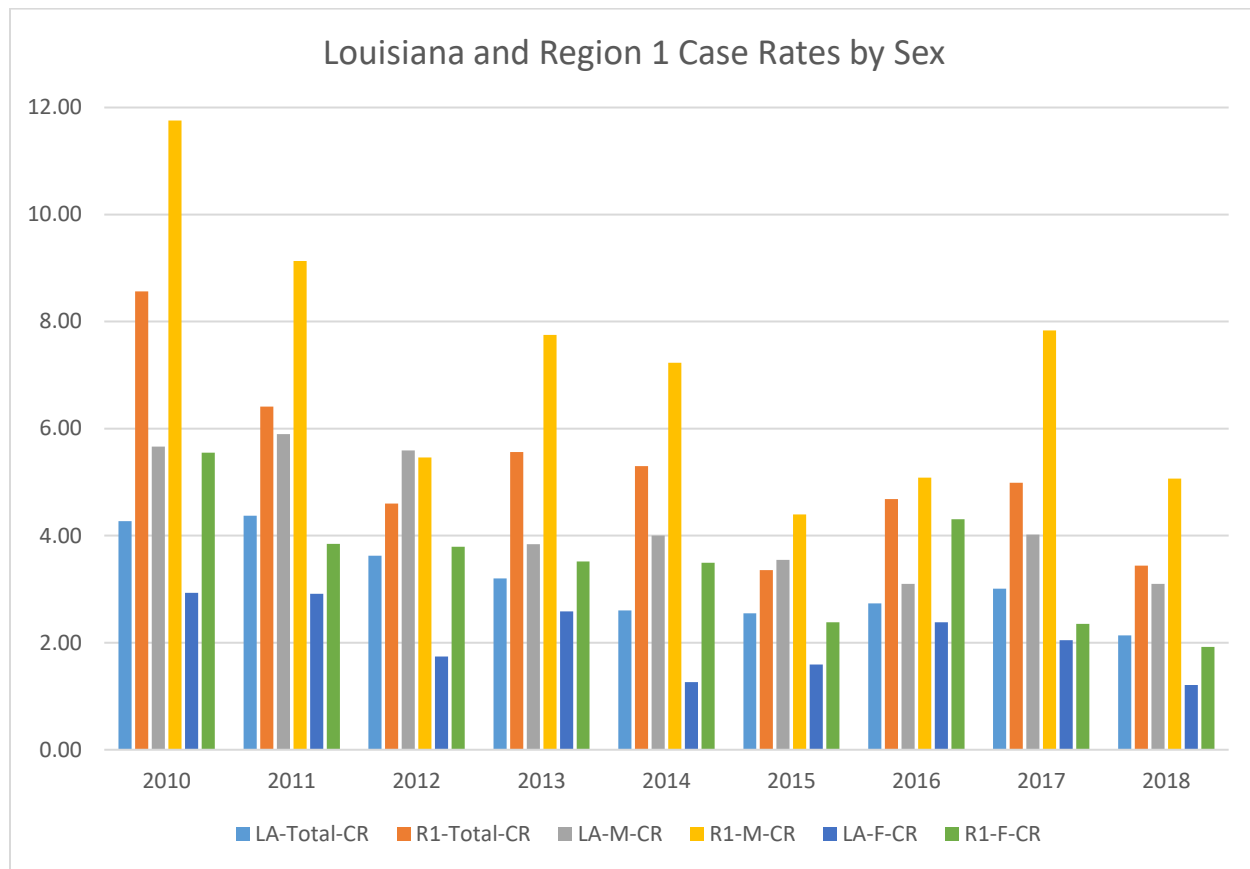


Figure 4. Total, male (M), and female (F) TB case rates (CR) for Louisiana and Region 1 from 2010-2018.

Table 1. Total, male (M), and female (F) TB case rates (CR) for Louisiana and Region 1 from 2010-2018.

| YEAR | LA-TOTAL-CR | R1-TOTAL-CR | LA-M-CR | R1-M-CR | LA-F-CR | R1-F-CR |
|------|-------------|-------------|---------|---------|---------|---------|
| 2010 | 4.27 | 8.57 | 5.66 | 11.76 | 2.93 | 5.55 |
| 2011 | 4.37 | 6.41 | 5.89 | 9.13 | 2.91 | 3.85 |
| 2012 | 3.63 | 4.60 | 5.59 | 5.46 | 1.74 | 3.79 |
| 2013 | 3.20 | 5.56 | 3.84 | 7.75 | 2.58 | 3.52 |
| 2014 | 2.60 | 5.30 | 4.00 | 7.23 | 1.26 | 3.49 |
| 2015 | 2.55 | 3.35 | 3.55 | 4.40 | 1.59 | 2.38 |
| 2016 | 2.73 | 4.68 | 3.10 | 5.08 | 2.38 | 4.31 |
| 2017 | 3.01 | 4.99 | 4.02 | 7.83 | 2.05 | 2.35 |
| 2018 | 2.13 | 3.44 | 3.10 | 5.07 | 1.21 | 1.92 |

TB by Race and Ethnicity

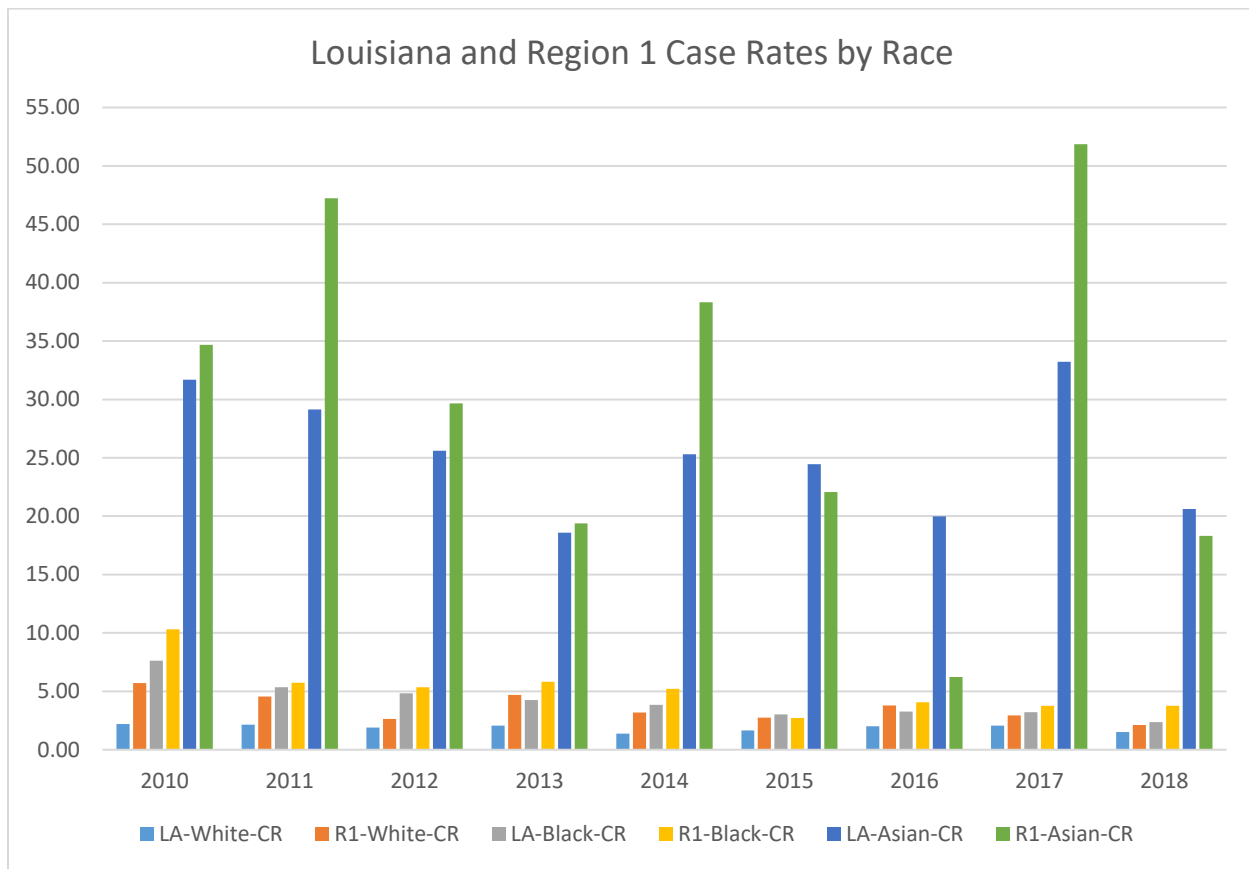


Figure 5. White, Black/African-American (Black), and Asian TB case rates (CR) and relative risk (RR) for Louisiana and Region 1 from 2010-2018.

Table 2. White, Black/African-American (Black), and Asian TB case rates (CR) for Louisiana and Region 1 from 2010-2018.

| YEAR | LA-WHITE-CR | R1-WHITE-CR | LA-BLACK-CR | R1-BLACK-CR | LA-ASIAN-CR | R1-ASIAN-CR |
|------|-------------|-------------|-------------|-------------|-------------|-------------|
| 2010 | 2.20 | 5.71 | 7.63 | 10.32 | 31.69 | 34.68 |
| 2011 | 2.16 | 4.55 | 5.34 | 5.74 | 29.15 | 47.22 |
| 2012 | 1.91 | 2.63 | 4.83 | 5.35 | 25.61 | 29.66 |
| 2013 | 2.08 | 4.69 | 4.26 | 5.82 | 18.60 | 19.38 |
| 2014 | 1.39 | 3.18 | 3.84 | 5.21 | 25.30 | 38.31 |
| 2015 | 1.66 | 2.74 | 3.03 | 2.71 | 34.46 | 22.07 |
| 2016 | 2.00 | 3.80 | 3.28 | 4.05 | 20.00 | 6.23 |
| 2017 | 2.07 | 2.95 | 3.21 | 3.75 | 33.22 | 51.87 |
| 2018 | 1.52 | 2.11 | 2.36 | 3.75 | 20.62 | 18.31 |

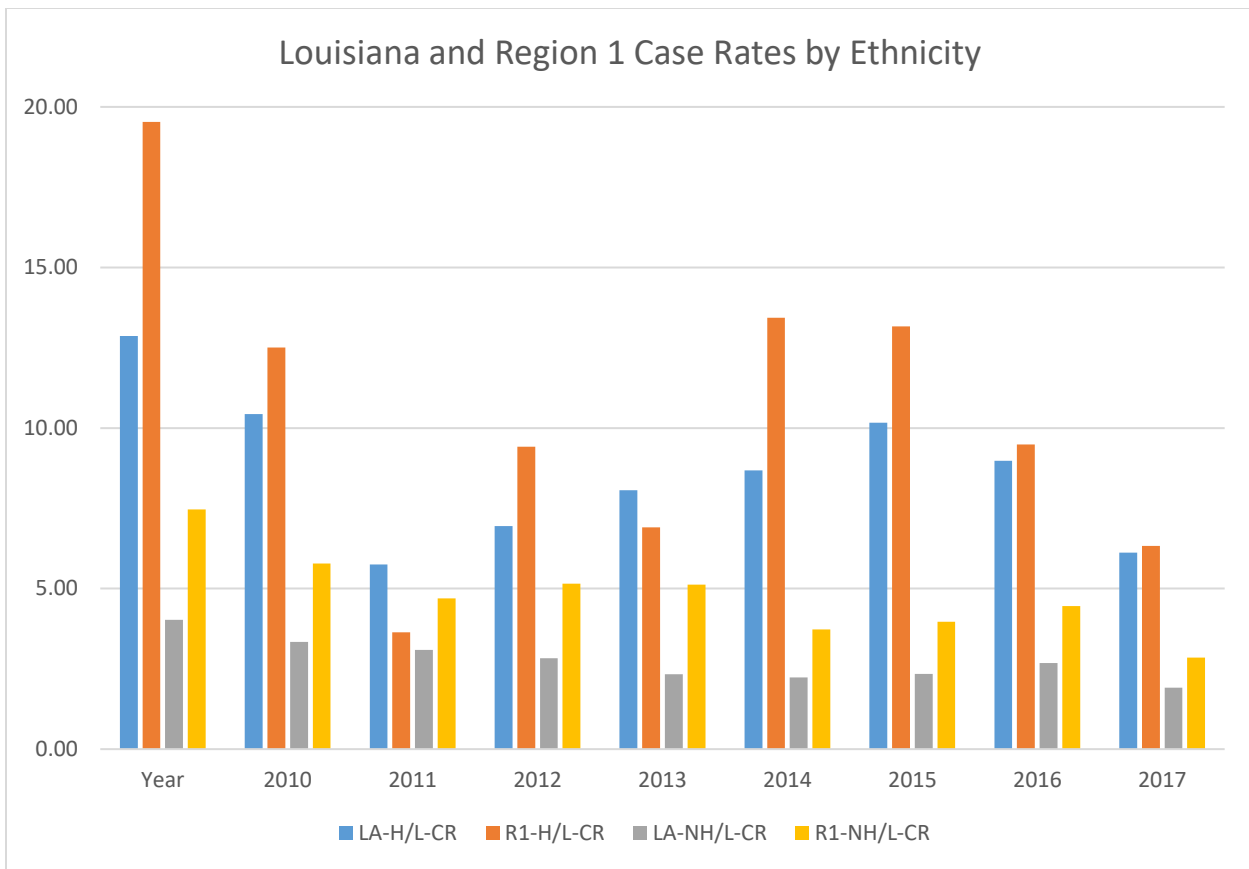


Figure 6. Hispanic/Latino (H/L) and Non-Hispanic/Latino (NH/L) TB case rates (CR) for Louisiana and Region 1 from 2010-2018.

Table 3. Hispanic/Latino (H/L) and Non-Hispanic/Latino (NH/L) TB case rates for Louisiana and Region 1 from 2010-2018.

| YEAR | LA-H/L-CR | R1-H/L-CR | LA-NH/L-CR | R1-NH/L-CR |
|------|-----------|-----------|------------|------------|
| 2010 | 12.87 | 19.54 | 4.02 | 7.46 |
| 2011 | 10.44 | 12.51 | 3.34 | 5.78 |
| 2012 | 5.76 | 3.64 | 3.09 | 4.70 |
| 2013 | 6.95 | 9.41 | 2.83 | 5.15 |
| 2014 | 8.07 | 6.90 | 2.33 | 5.12 |
| 2015 | 8.68 | 13.43 | 2.23 | 3.73 |
| 2016 | 10.16 | 13.17 | 2.34 | 3.97 |
| 2017 | 8.97 | 9.49 | 2.68 | 4.46 |
| 2018 | 6.12 | 6.33 | 1.91 | 2.85 |

TB by Age

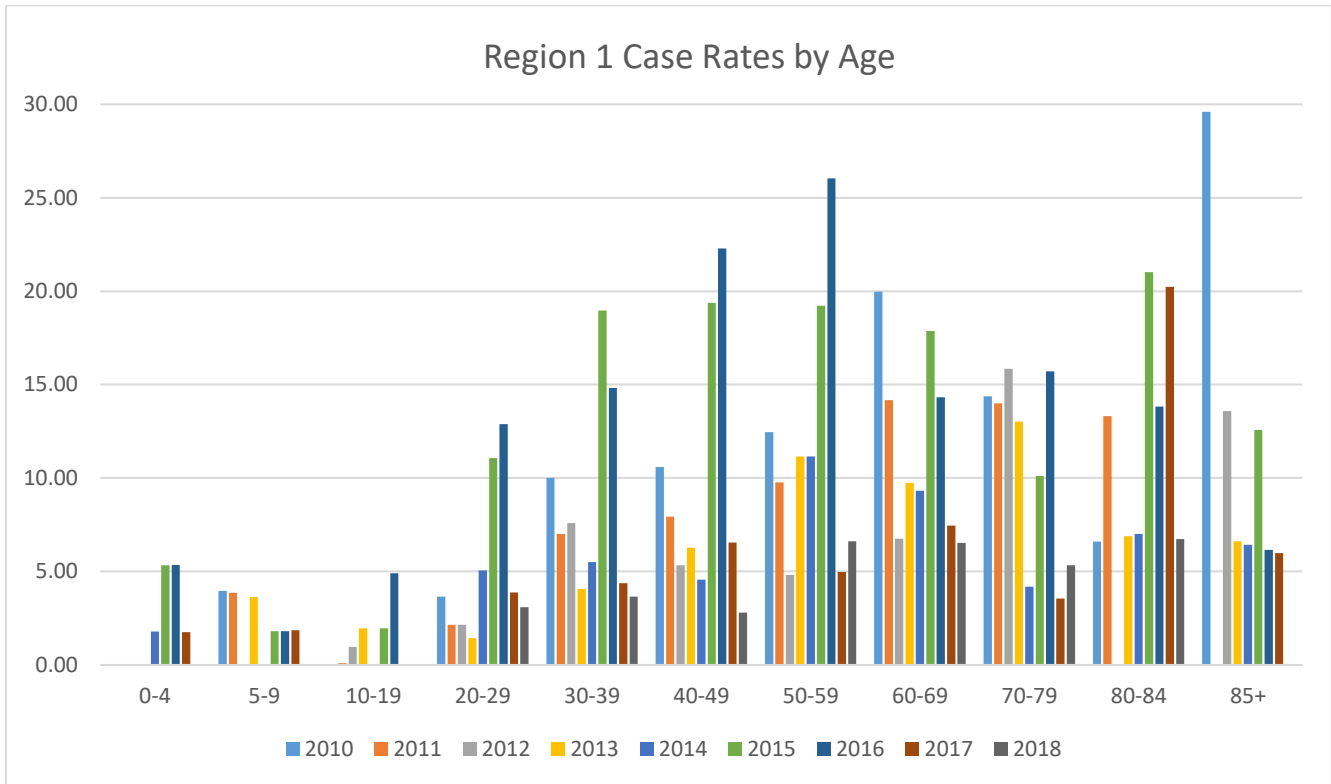


Figure 7. TB case rates (CR) by age for Region 1 from 2010-2018.

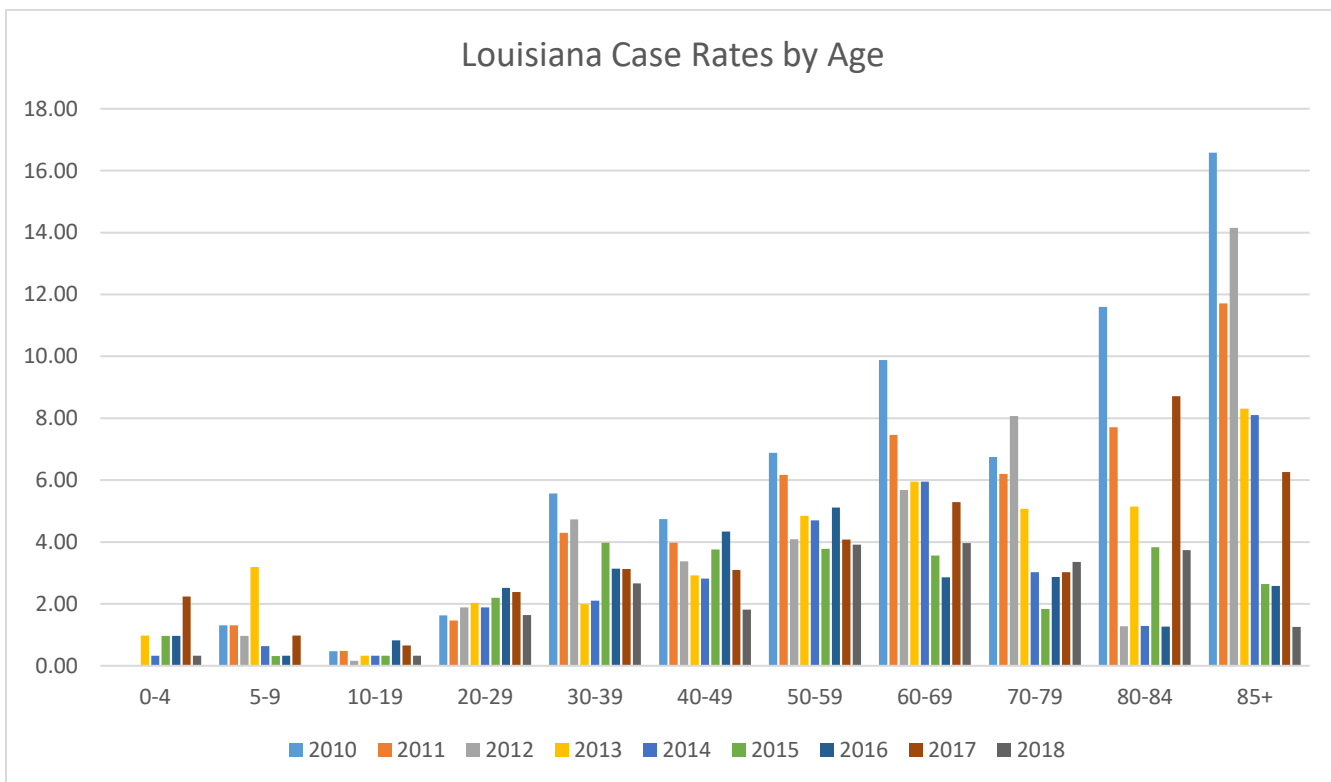


Figure 8. TB case rates by age for Louisiana from 2010-2018.

Table 4. TB case rates by age for Region 1 from 2010-2017.

| AGE | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 5.34 | 5.35 | 1.75 | 0.00 |
| 5-9 | 3.96 | 3.87 | 0.00 | 3.65 | 0.00 | 1.80 | 1.81 | 1.85 | 0.00 |
| 10-19 | 0.00 | 0.10 | 0.97 | 1.96 | 0.00 | 1.97 | 4.91 | 0.00 | 0.00 |
| 20-29 | 3.66 | 2.15 | 2.15 | 1.43 | 5.07 | 11.08 | 12.88 | 3.87 | 3.10 |
| 30-39 | 10.00 | 7.01 | 7.60 | 4.06 | 5.51 | 18.96 | 14.81 | 4.38 | 3.65 |
| 40-49 | 10.59 | 7.94 | 5.34 | 6.27 | 4.56 | 19.38 | 22.29 | 6.55 | 2.81 |
| 50-59 | 12.46 | 9.76 | 4.82 | 11.15 | 11.15 | 19.22 | 26.03 | 4.97 | 6.62 |
| 60-69 | 19.98 | 14.17 | 6.75 | 9.74 | 9.33 | 17.87 | 14.32 | 7.46 | 6.53 |
| 70-79 | 14.38 | 14.00 | 15.85 | 13.01 | 4.18 | 10.11 | 15.71 | 3.56 | 5.33 |
| 80-84 | 6.60 | 13.31 | 0.00 | 6.89 | 7.00 | 21.03 | 13.83 | 20.23 | 6.74 |
| 85+ | 29.60 | 0.00 | 13.58 | 6.62 | 6.43 | 12.57 | 6.16 | 5.98 | 0.00 |

Table 5. TB case rates by age for Louisiana from 2010-2018.

| AGE | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|-------|-------|-------|-------|------|------|------|------|------|------|
| 0-4 | 0.00 | 0.00 | 0.00 | 0.97 | 0.32 | 0.96 | 0.97 | 2.24 | 0.32 |
| 5-9 | 1.31 | 1.30 | 0.97 | 3.19 | 0.64 | 0.32 | 0.32 | 0.98 | 0.00 |
| 10-19 | 0.47 | 0.48 | 0.16 | 0.33 | 0.33 | 0.33 | 0.82 | 0.66 | 0.33 |
| 20-29 | 1.63 | 1.46 | 1.89 | 2.03 | 1.89 | 2.19 | 2.52 | 2.39 | 1.64 |
| 30-39 | 5.57 | 4.30 | 4.73 | 1.99 | 2.11 | 3.98 | 3.14 | 3.13 | 2.66 |
| 40-49 | 4.74 | 3.98 | 3.37 | 2.92 | 2.81 | 3.75 | 4.33 | 3.09 | 1.82 |
| 50-59 | 6.89 | 6.17 | 4.08 | 4.85 | 4.70 | 3.78 | 5.11 | 4.07 | 3.91 |
| 60-69 | 9.88 | 7.46 | 5.68 | 5.95 | 5.95 | 3.56 | 2.86 | 5.29 | 3.96 |
| 70-79 | 6.74 | 6.20 | 8.07 | 5.07 | 3.02 | 1.84 | 2.87 | 3.02 | 3.36 |
| 80-84 | 11.60 | 7.71 | 1.28 | 5.14 | 1.29 | 3.83 | 1.26 | 8.72 | 3.74 |
| 85+ | 16.58 | 11.71 | 14.15 | 8.31 | 8.10 | 2.64 | 2.58 | 6.26 | 1.25 |

TB by Country of Origin

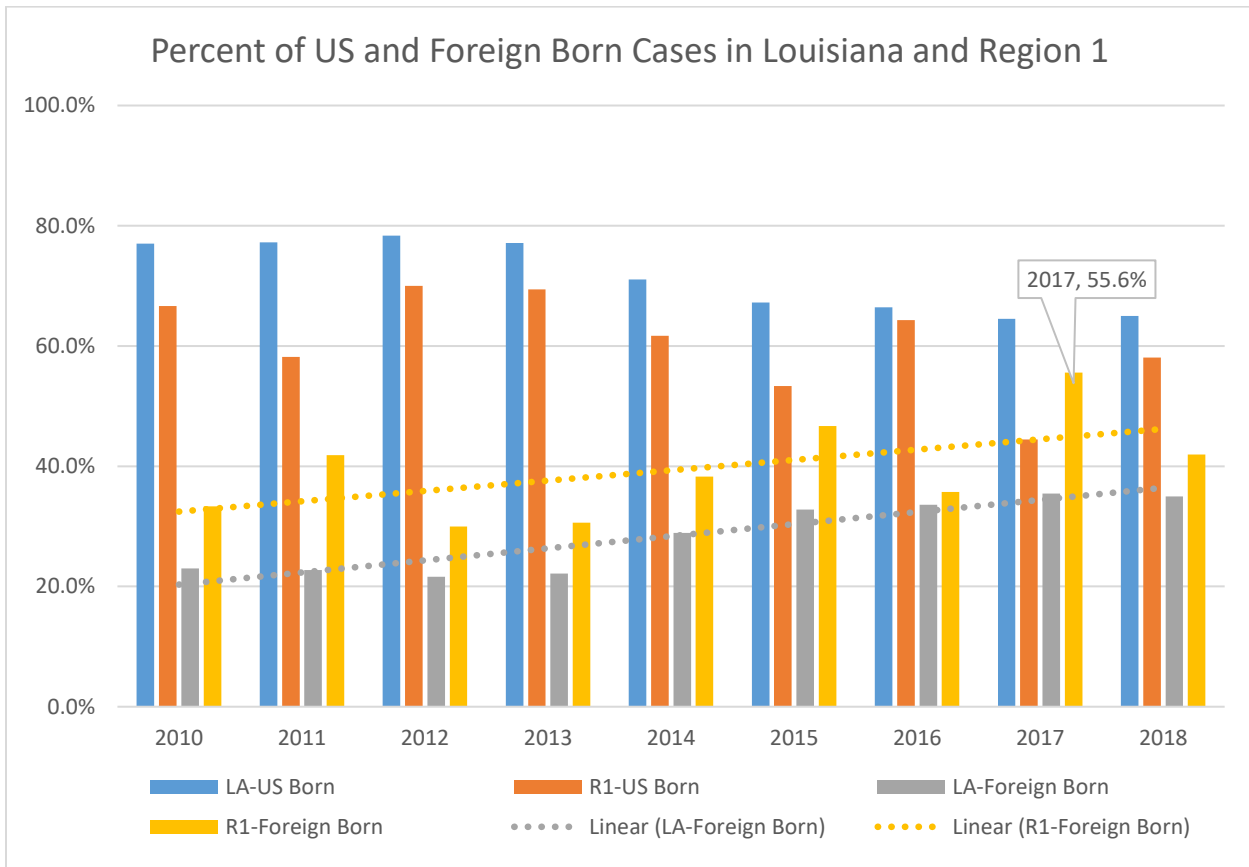


Figure 9. Percent of US and foreign born TB cases in Louisiana and Region 1 from 2010-2018. Data callout indicates the first time Region 1 had greater than 50% foreign born cases.

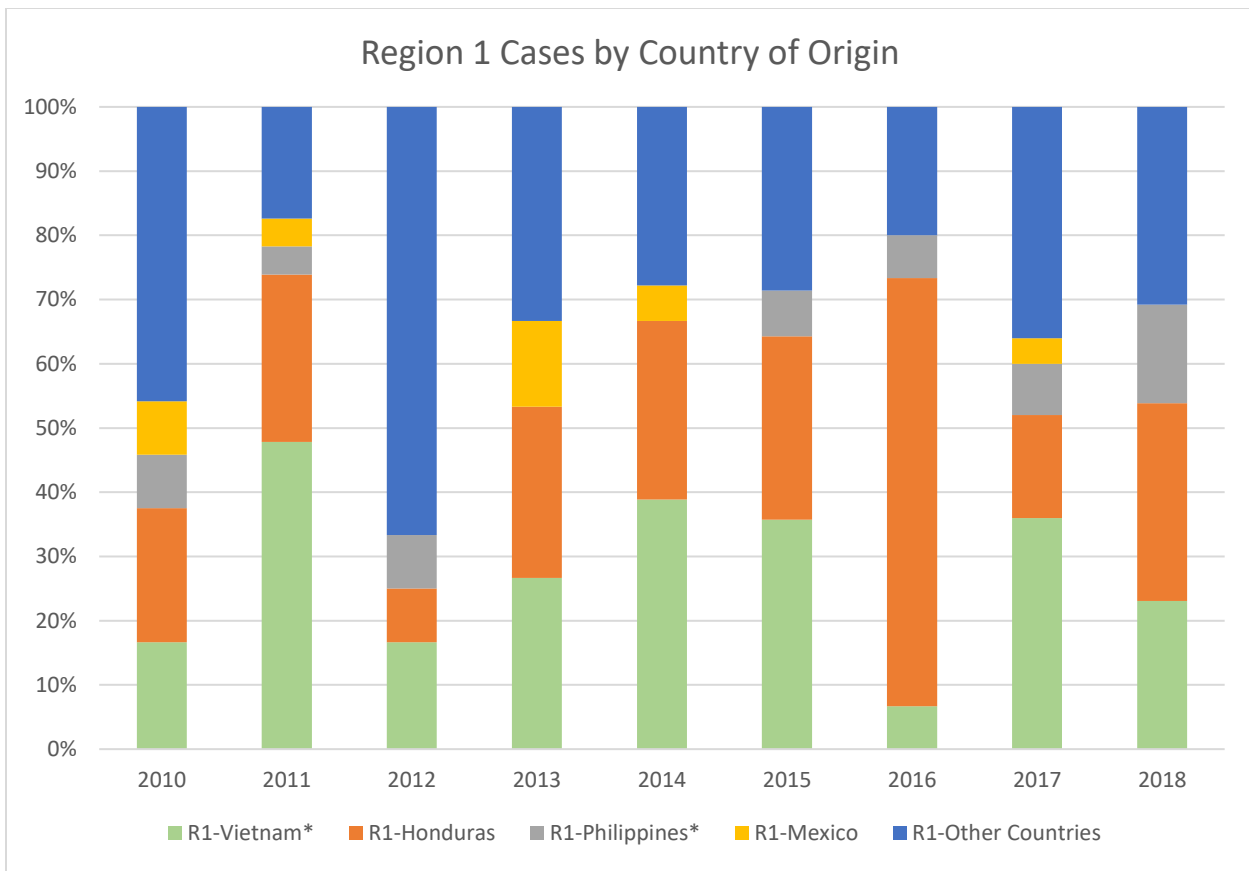


Figure 10. Percent of foreign born TB cases by country of origin as a percentage of foreign born cases for Region 1 from 2010-2018. *Denotes one of the 30 highest TB burden countries according to the STOP TB Partnership and the World Health Organization.

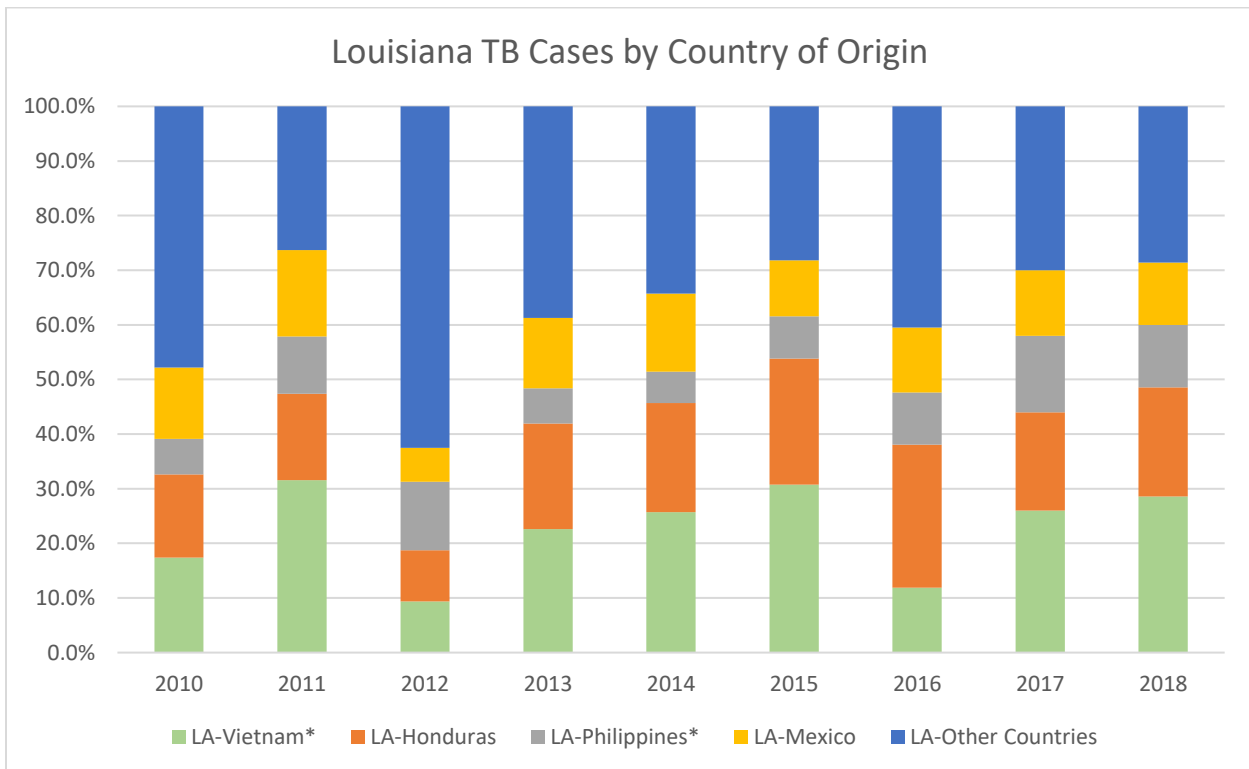


Figure 11. Percent of foreign born TB cases by country of origin as a percentage of foreign born cases for Louisiana from 2010-2018. *Denotes one of the 30 highest TB burden countries according to the STOP TB Partnership and the World Health Organization.

TB by Risk Factors

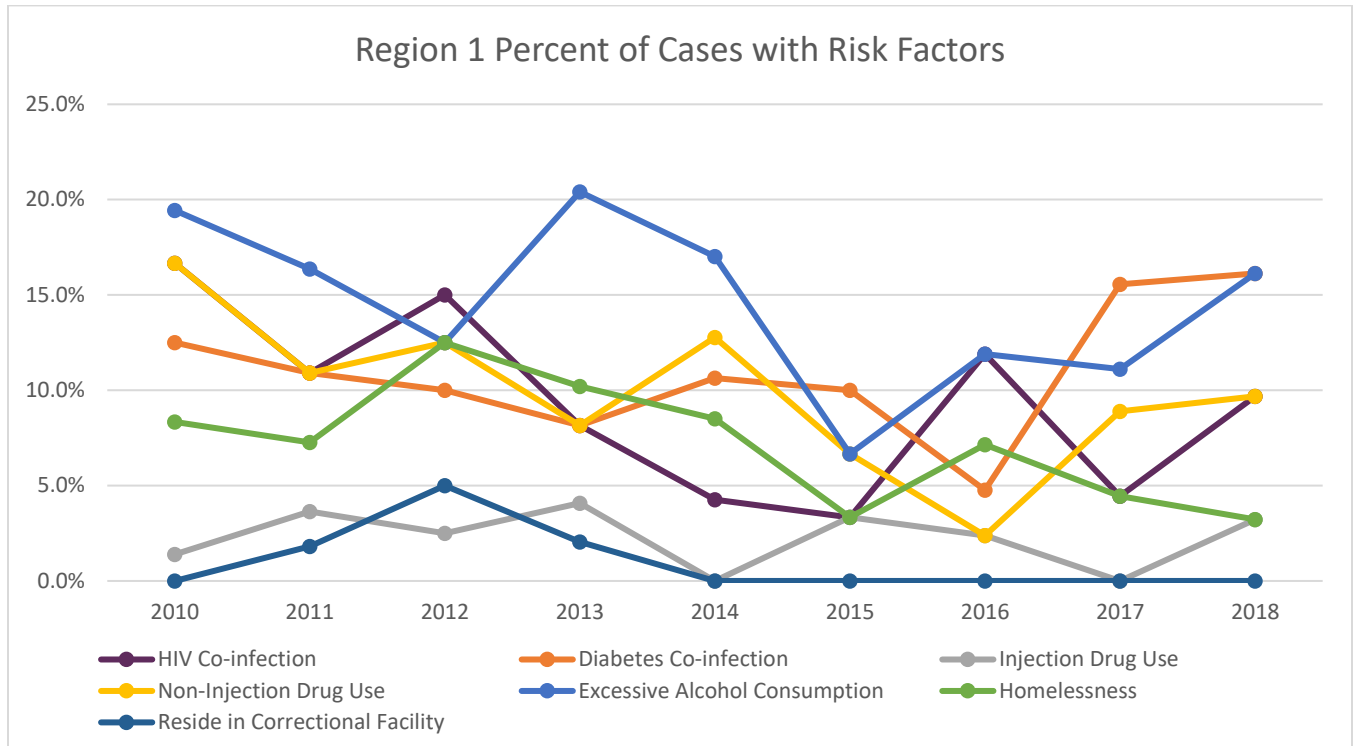


Figure 12. Percent of TB cases with risk factors for Region 1, 2010-2018. Excessive alcohol consumption is defined as three or more drinks per day. Homelessness, injection drug use, non-injection drug use, and excessive alcohol consumption occurred within one year prior to TB diagnosis. Residing in a correctional facility occurred at time of diagnosis.

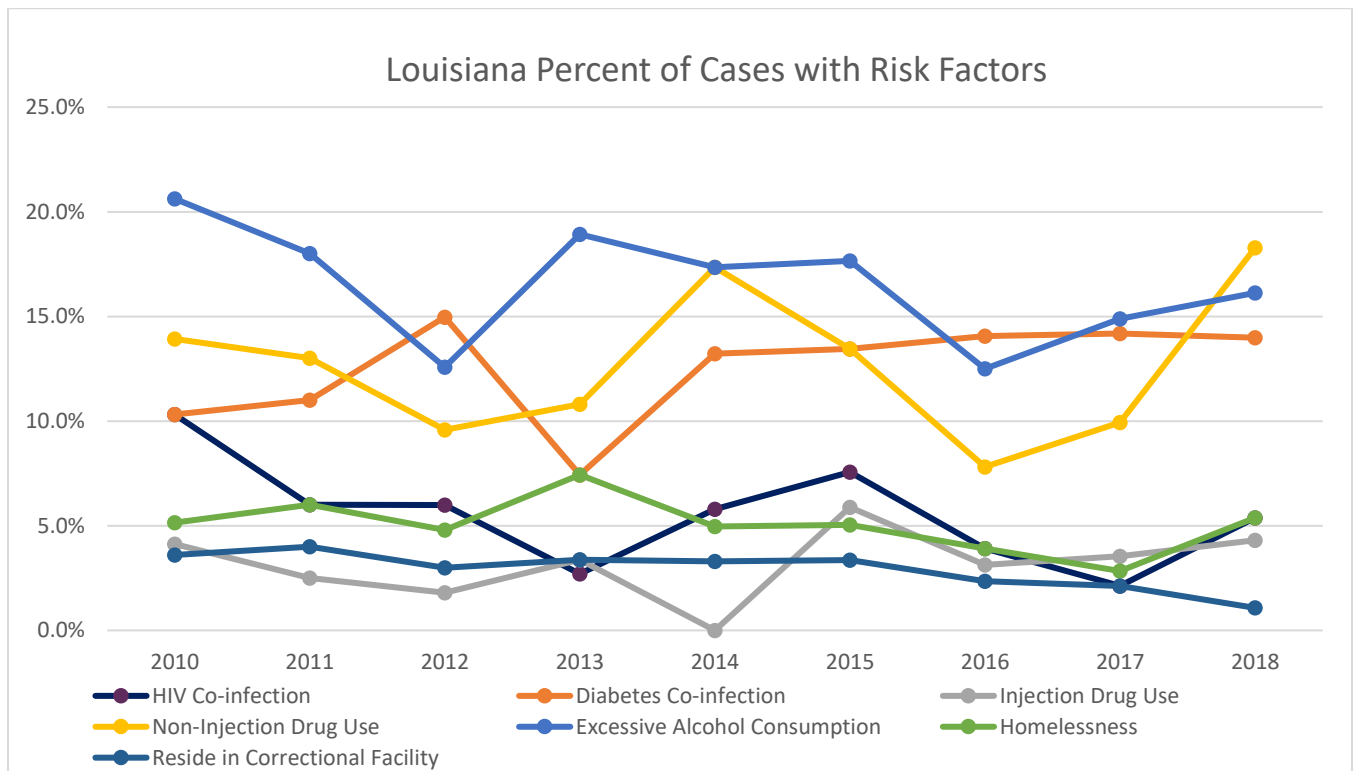


Figure 13. Percent of TB cases with risk factors for Louisiana, 2010-2018. Excessive alcohol consumption is defined as three or more drinks per day. Homelessness, injection drug use, non-injection drug use, and excessive alcohol consumption occurred within one year prior to TB diagnosis. Residing in a correctional facility occurred at time of diagnosis.

TB by Site of Disease

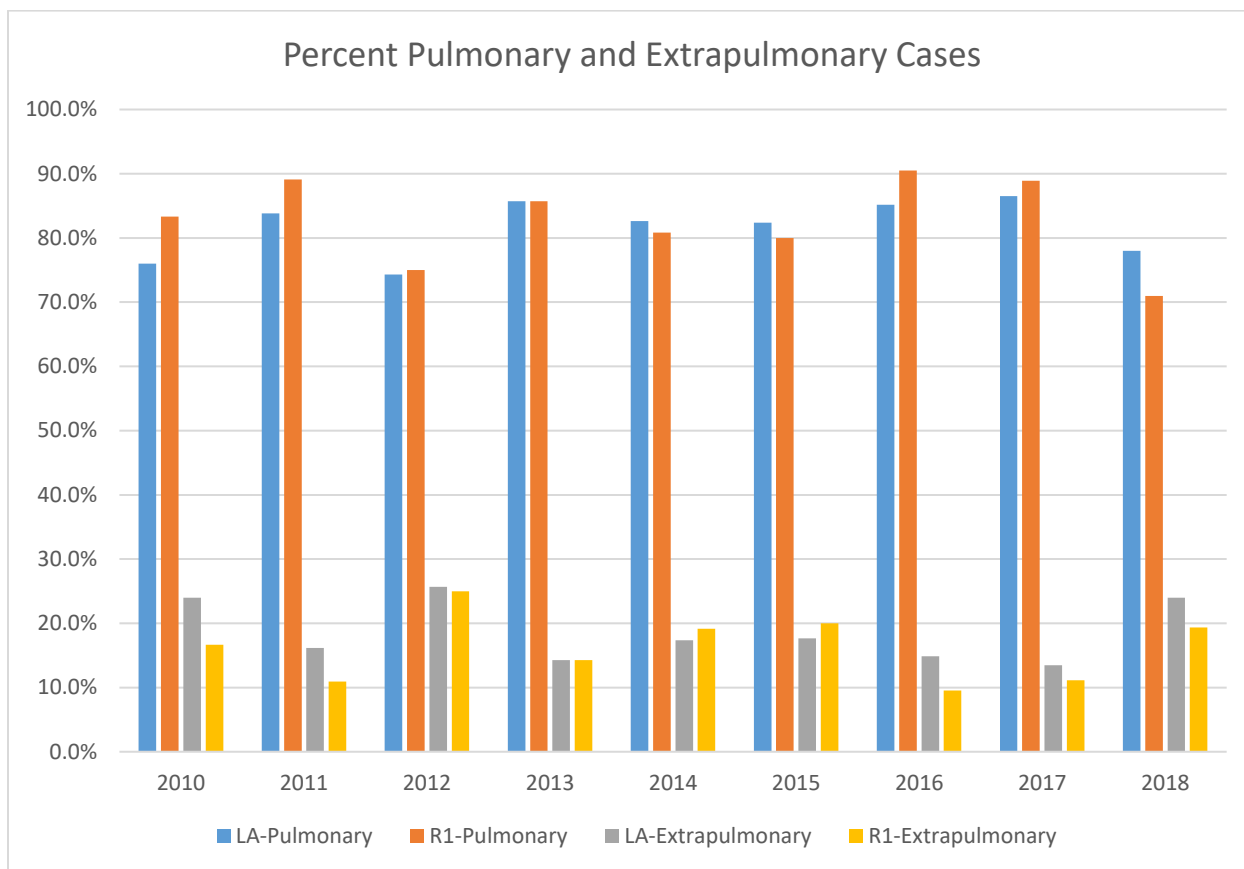


Figure 14. Louisiana and Region 1 pulmonary and extrapulmonary cases as a percent of total TB cases, 2010-2018.