Calibration: population

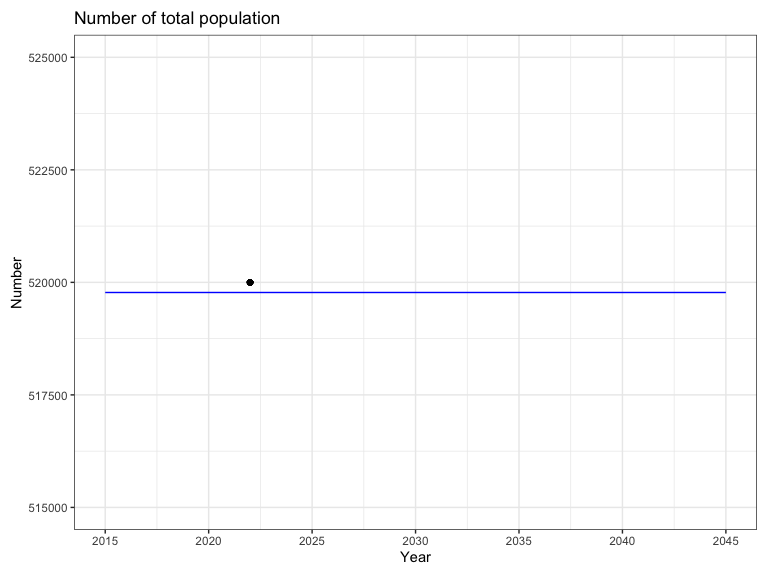
Joyce Wu

09/06/2023

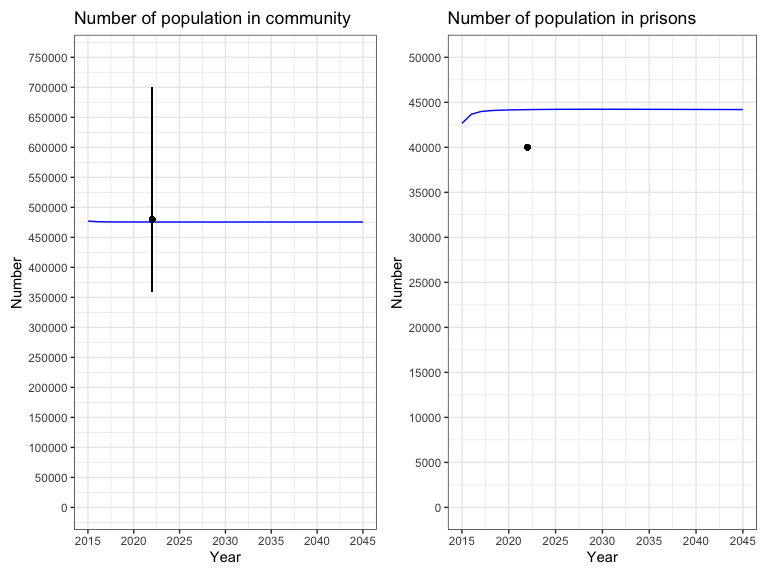
## Calibration of population size, population transition

1. Number of total population (Figure 1.)
2. Number of population size in community/prisons (Figure 2.)
3. Number of population size in each sub-population (Figure 3.)
4. Fraction of PWID/former PWID in community/prisons (Figure 4.)
5. Annual number of stop/relapse injection in community/prisons (Figure 5.)
6. Annual number of incarceration/release in PWID/former PWID (Figure 6.)
7. Incidence of stop injection in community/prisons (Figure 7. )
8. Incidence of relapse injection in community/prisons (Figure 8. )
9. Incidence of stopping injection in community/prisons (Figure 9. ) The blue lines are model outputs and black dots and lines represent the data points from in all figures.

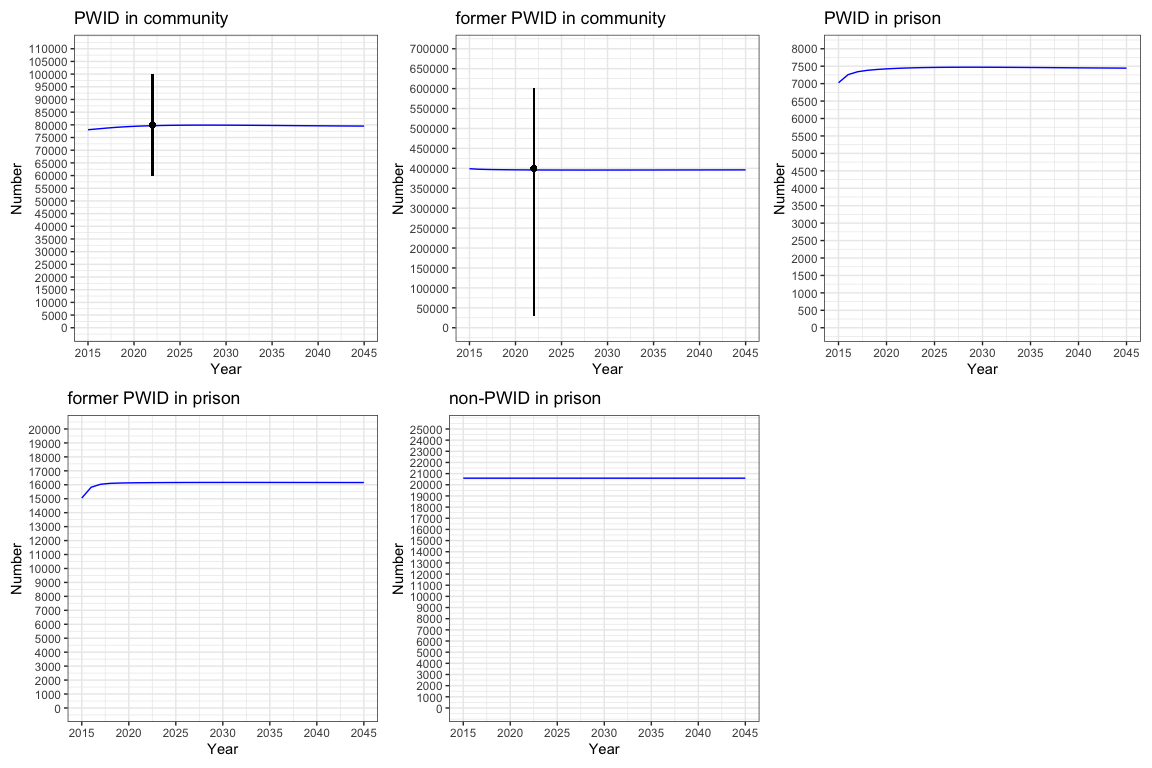
## Figure1. number of population



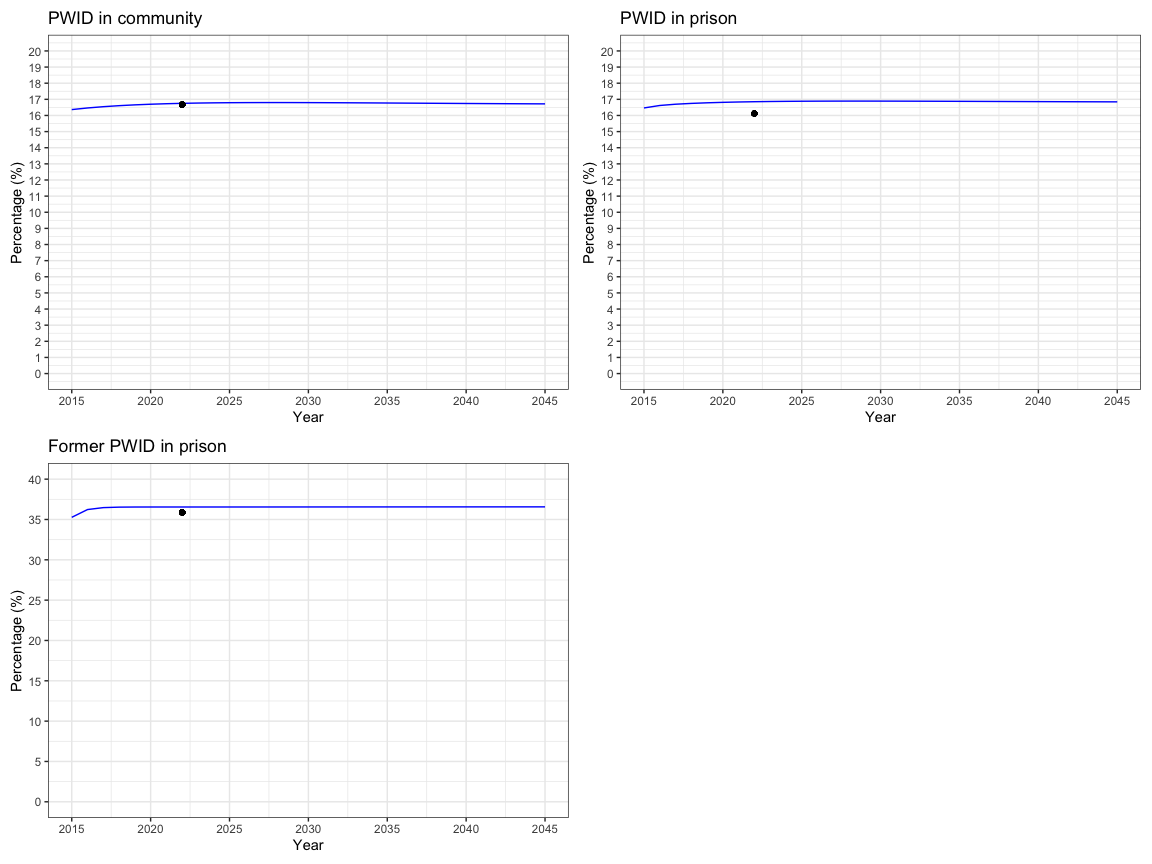
## Figure2. number of population size in community/prisons



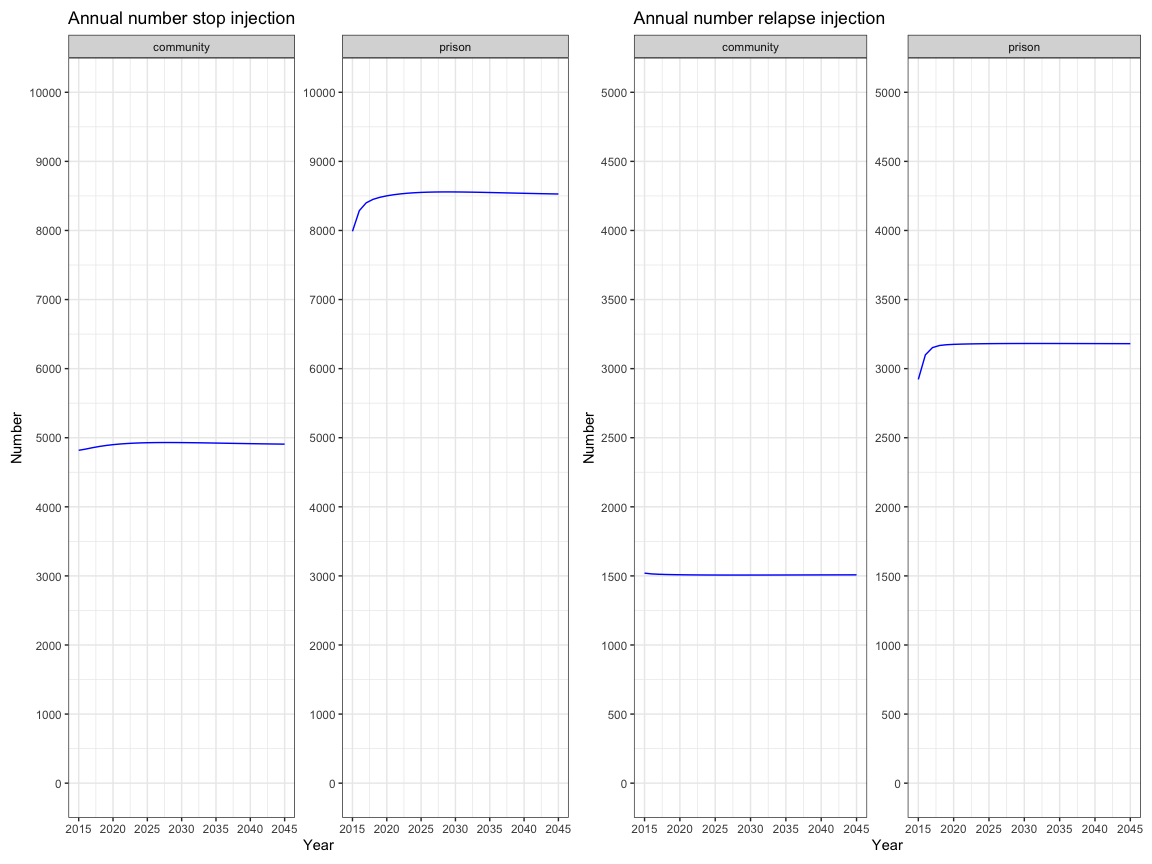
## Figure3. number of population size in each sup-population



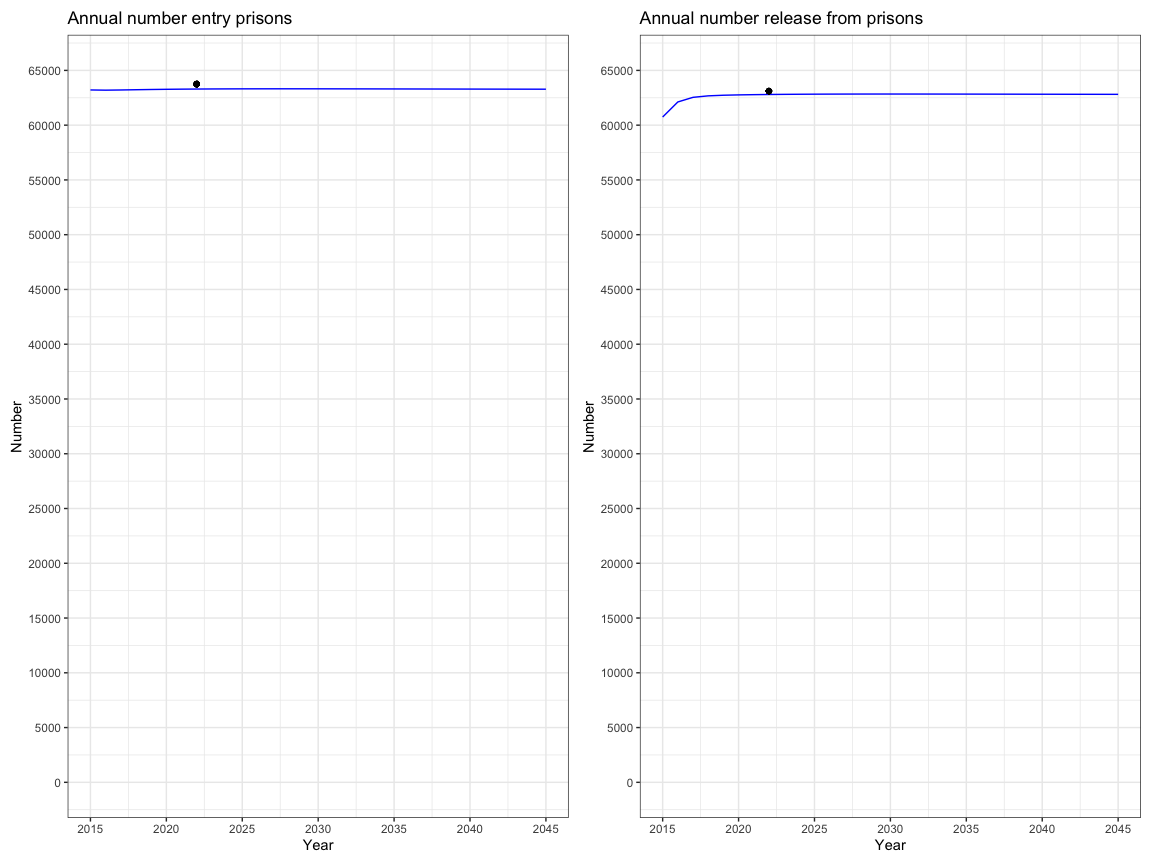
## Figure4. Fraction of PWID/former PWID in community/prisons



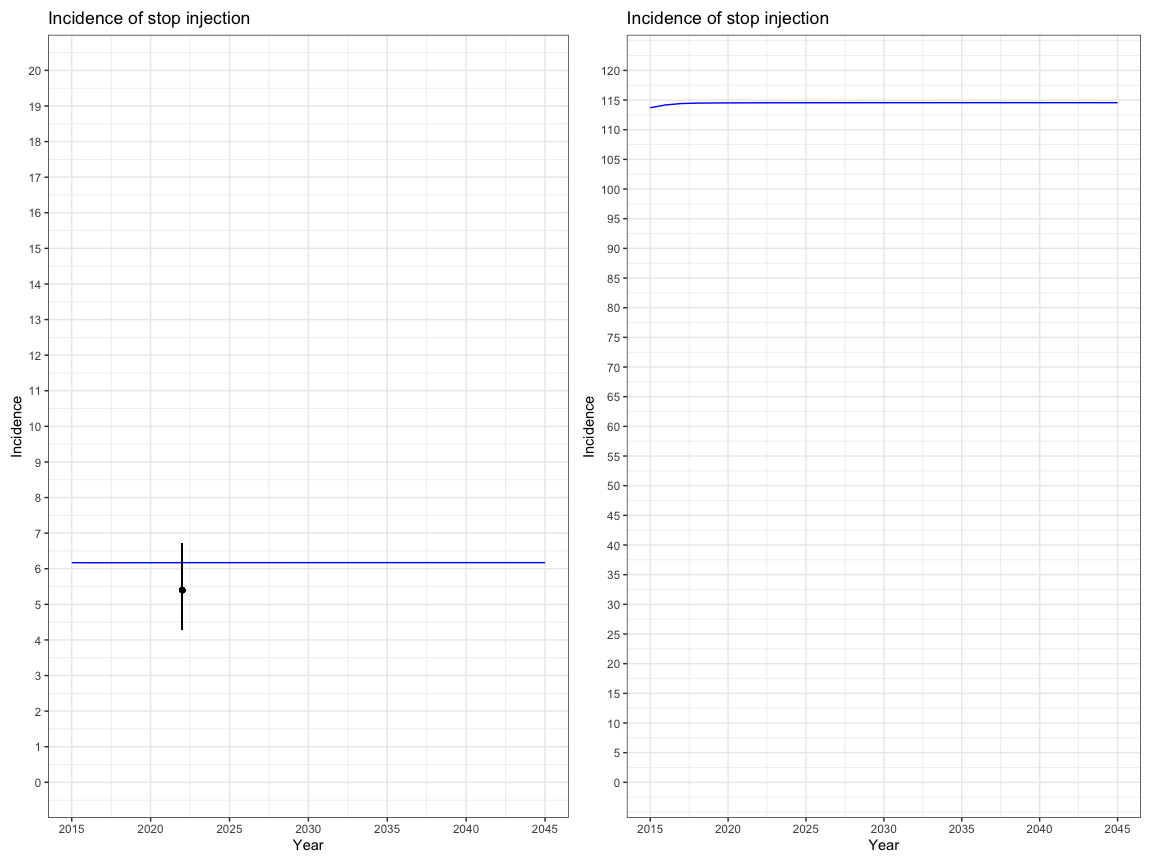
## Figure5. Annual number of stop/relapse injection in community/prisons



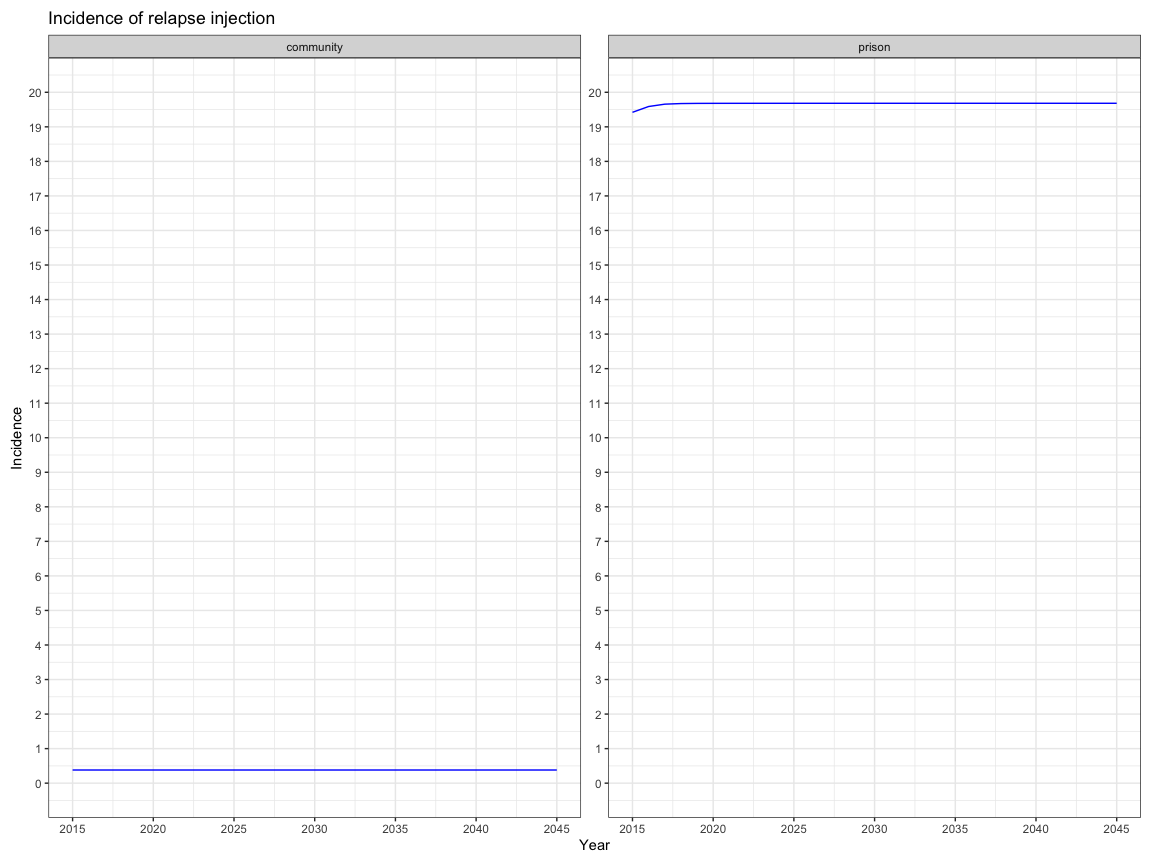
## Figure6. Annual number of incarceration/release in PWID and former PWID



## Figure7. Incidence of stop injection in community/prisons

Incidence of stop injection in {setting} = annual number of stopping injection in {setting}/Number of PWID in {setting}\*100 

## Figure8. Incidence of relapse injection in community/prisons

Incidence of relapse injection in {setting} = annual number of relapse injection in {setting}/Number of former PWID in {setting}\*100 

## Figure9. Incidence of incarceration/release in PWID and former PWID

Incidence of incarceration in {population} = annual number of incarceration in {population}/Number of {population} in community *100 Incidence of release in {population} = annual number of release in {population}/Number of {population} in prisons*100

