

# 2008-2013 Undiagnosed and Incidence for Philadelphia

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Table 1: Column Percent shows the composition of the total sample. The Percent Yes, Percent No and Percent Missing columns indicate the row percents of the three possible testing history statuses within each subgroup

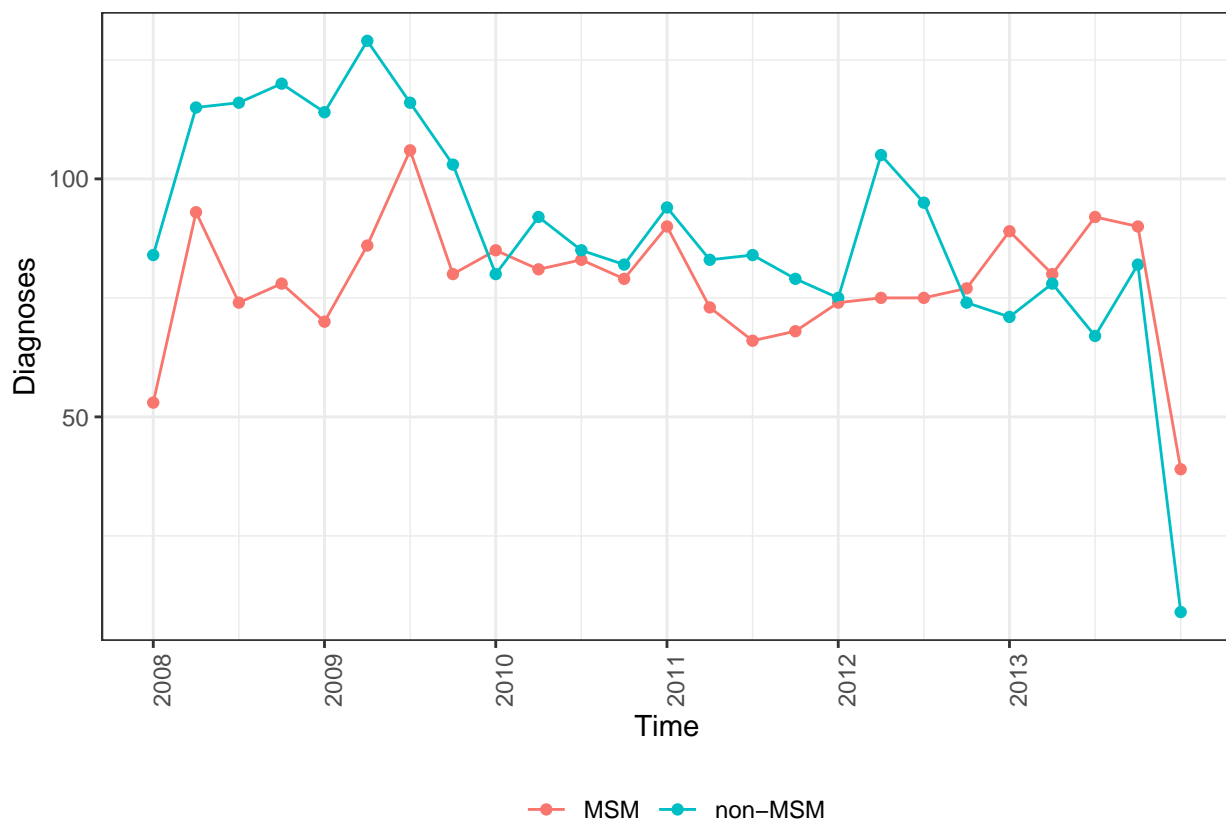
Value	N	Column Percent	Percent Yes	Percent No	Percent Missing
All	4188	100	35	27	38
MSM	1956	47	47	24	29
non-MSM	2232	53	25	29	46

## 1 Diagnoses

### 1.1 Analytic sample

Analytic data set has 4188 cases for 2008-2013.

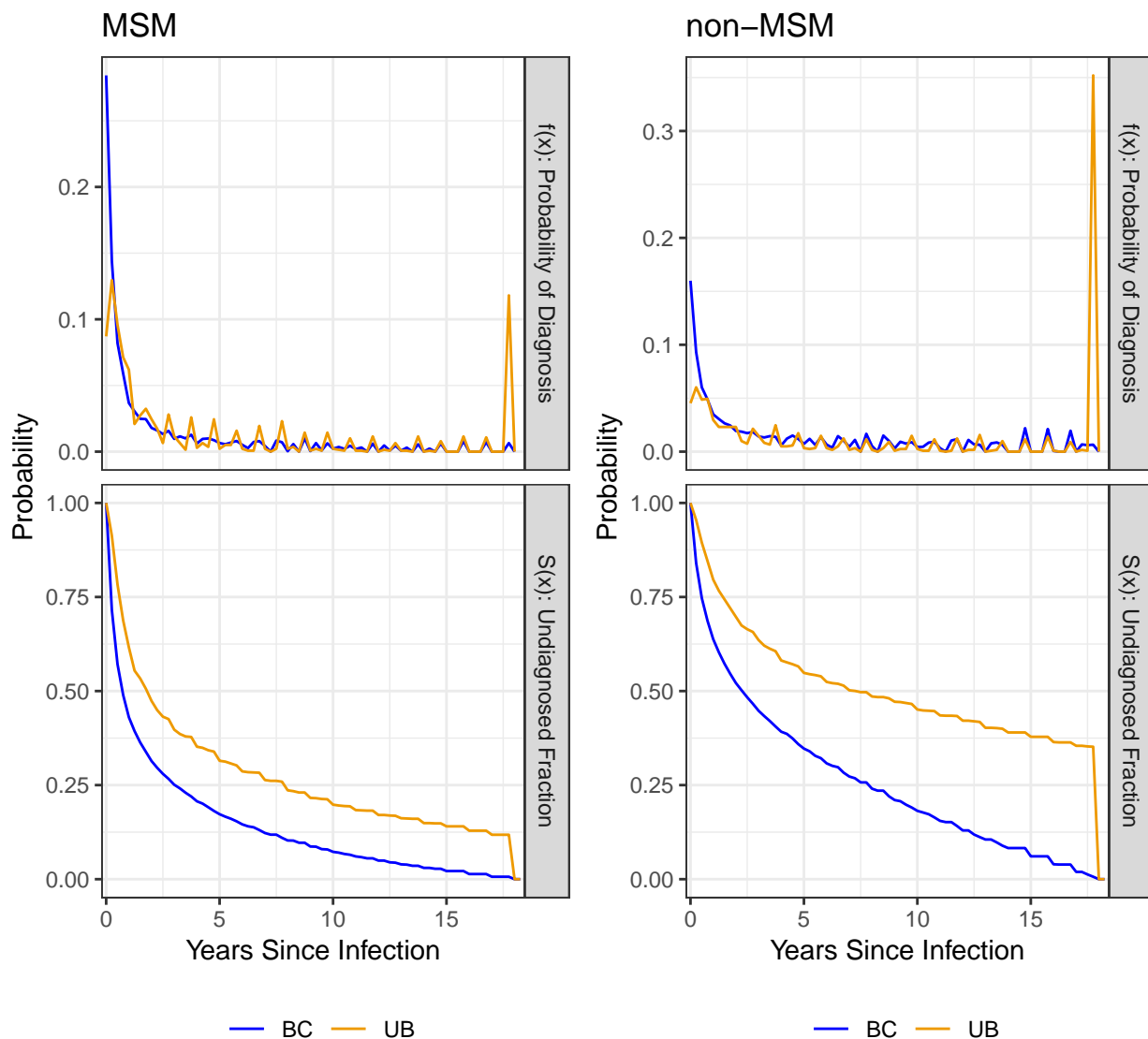
### 1.2 Diagnoses over time by MSM subgroups



## 2 Subgroup Sizes and Testing Histories

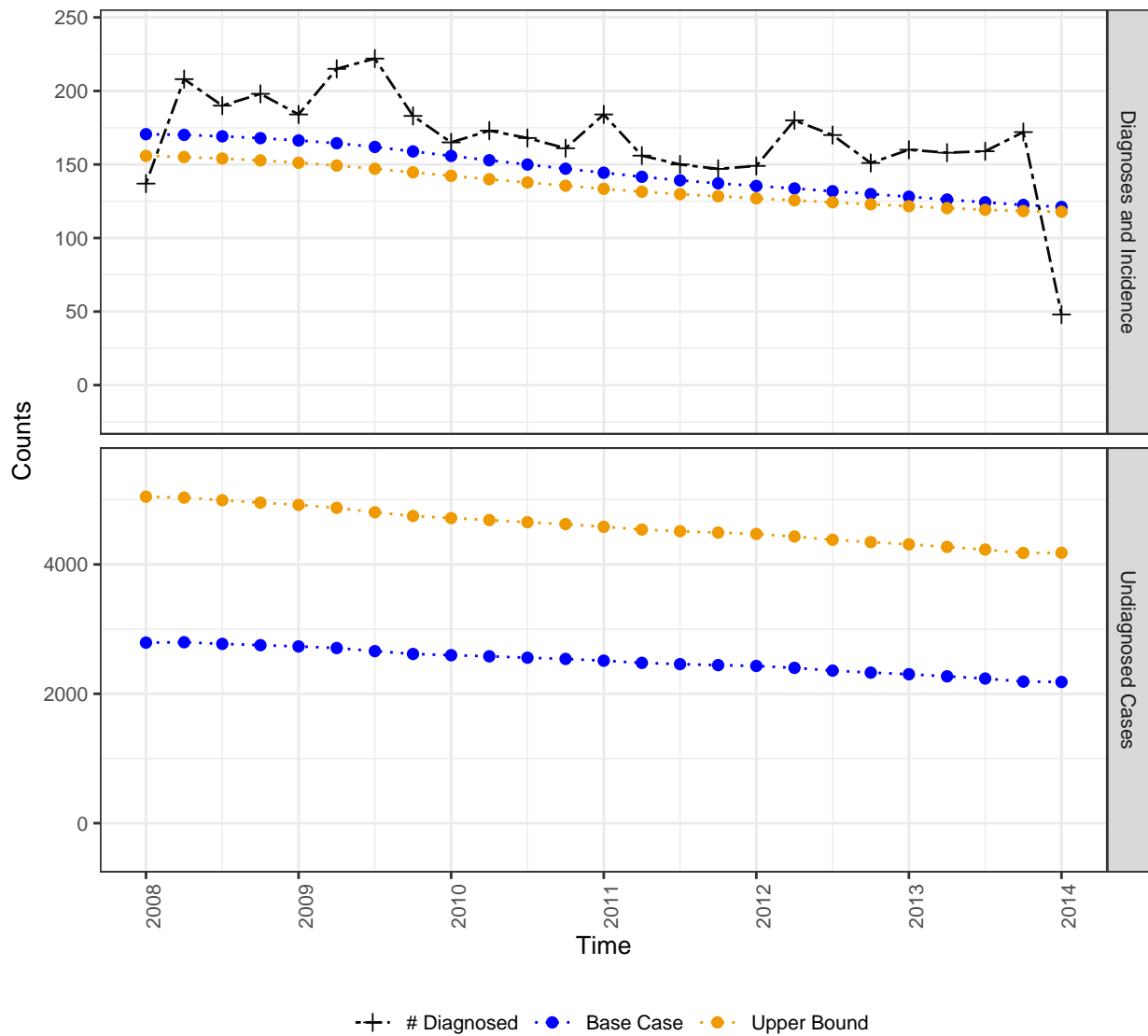
### 3 Time from Infection to Diagnosis (TID)

The plots below show the TID curves for the MSM subgroups. BC=Base Case and UB=Upper Bound. For each subgroup, the upper plot panel is the probability of diagnosis curve (the pdf) and the lower plot panel is the survivor curve (1-cdf). The lower plot panel's y-axis thus indicates the fraction remaining undiagnosed at a given number of years since infection (x-axis).



### 4 Incidence and undiagnosed counts

The upper plot panels show diagnoses and estimated incidence, while the lower plot panels show undiagnosed cases. The upper panels have different y-scales.



## 5 Undiagnosed fractions

10/26/18 WARNING: PLWH DATA ARE FAKE - I don't have real data for Philly

These plots show the total number of PLWH (x-axis) broken down by diagnosed and undiagnosed (colors) for the Base Case versus Upper Bound estimates (panels). Undiagnosed fractions are indicated by the percent labels.

