

# WA State HIV Testing Histories - Description of Analysis Sample

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## 1 Sample Reminder

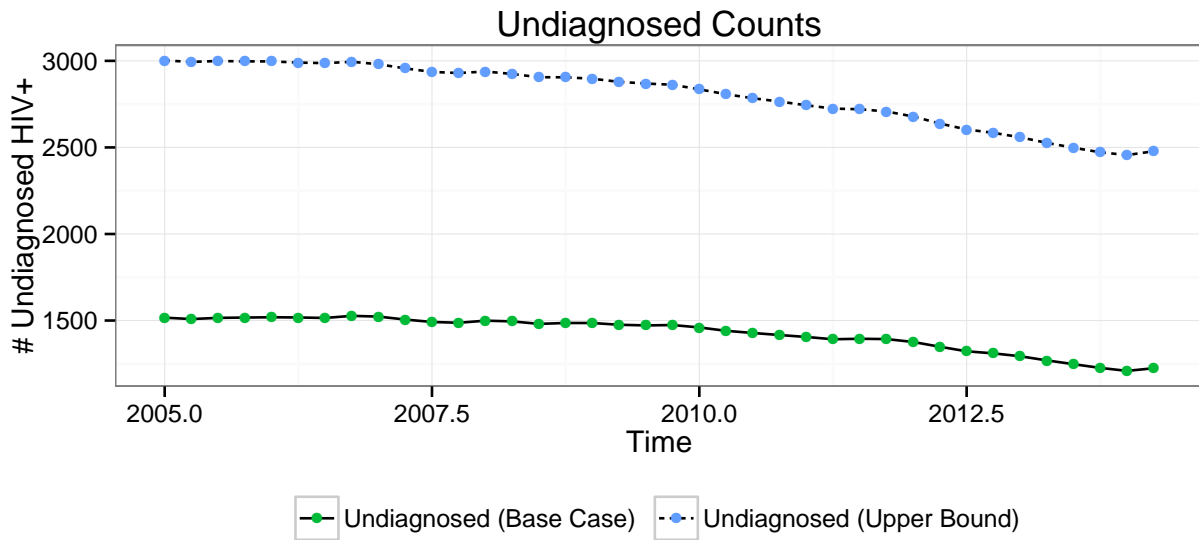
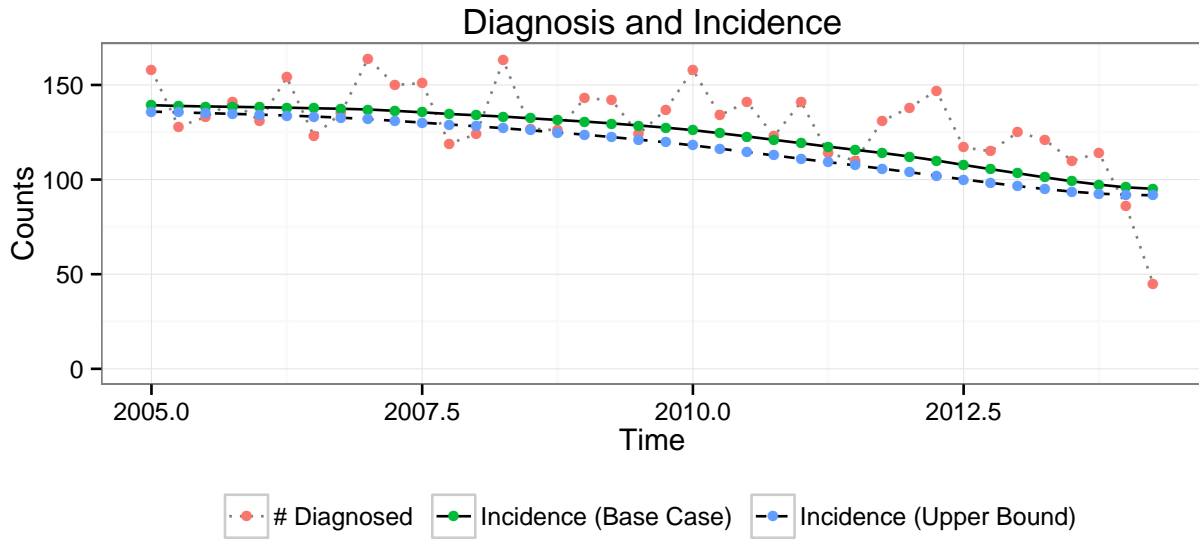
- N = 4943
- Years = 2005 to 2014
- everHadNegTest = TRUE for 2150 (43.5%), FALSE for 606 (12.26%), and NA for 2187 (44.24%)

```
##
## Backcalculating with no/minimal imputation...
## Call:
##   base case backcalculation using data from 38 intervals of length 0.25 years
## Call:
##   upper bound backcalculation using data from 38 intervals of length 0.25 years
```

```
##
## Backcalculating with full imputation...
## Call:
##   base case backcalculation using data from 38 intervals of length 0.25 years
## Call:
##   upper bound backcalculation using data from 38 intervals of length 0.25 years
```

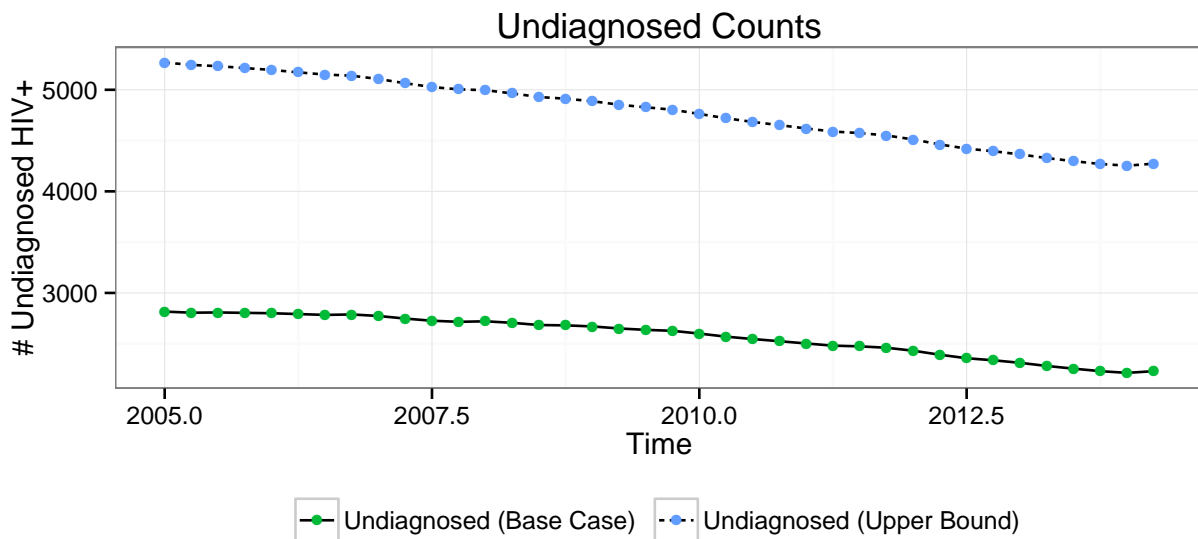
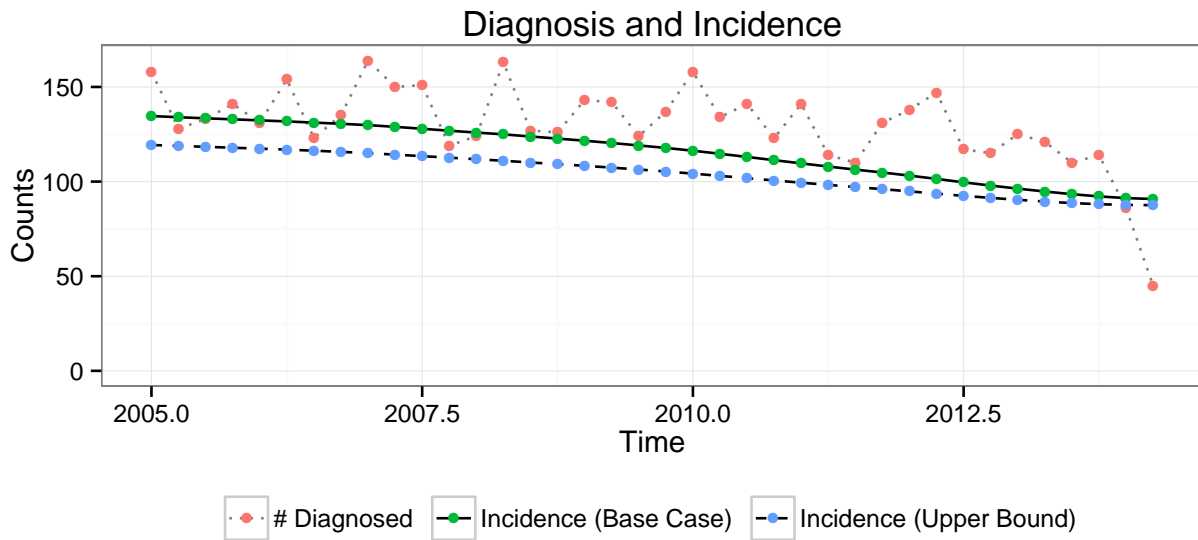
## 2 Base Case and Upper Bound, Minimal Imputation

```
##           var      Min. 1st Qu. Median  Mean
## 1      # Diagnosed    45.00  121.5  131.0  130.1
## 2      Incidence (Base Case)  95.13  112.7  128.0  123.3
## 3      Incidence (Upper Bound)  91.71  104.4  120.4  117.2
## 4      Undiagnosed (Base Case) 1209.00 1380.0 1473.0 1426.0
## 5      Undiagnosed (Upper Bound) 2456.00 2686.0 2866.0 2803.0
##      3rd Qu.  Max.
## 1      141.8  164.0
## 2      136.1  139.3
## 3      130.8  135.9
## 4     1504.0 1527.0
## 5     2952.0 3002.0
```



### 3 Base Case and Upper Bound, Full Imputation

##	var	Min.	1st Qu.	Median	Mean
## 1	# Diagnosed	45.00	121.50	131.0	130.1
## 2	Incidence (Base Case)	90.80	103.60	118.4	115.7
## 3	Incidence (Upper Bound)	87.54	95.12	105.9	104.5
## 4	Undiagnosed (Base Case)	2213.00	2438.00	2632.0	2577.0
## 5	Undiagnosed (Upper Bound)	4253.00	4521.00	4816.0	4782.0
##	3rd Qu.				
## 1		141.8	164.0		
## 2		128.7	134.6		
## 3		114.0	119.3		
## 4		2742.0	2816.0		
## 5		5055.0	5269.0		



## 4 Combined Results

```
##### SAVE RESULTS
```

```
# Stats
stats <- data.frame(imputed = c(rep("Yes", nrow(summaries_impute[[1]])),
  rep("No", nrow(summaries_noimpute[[1]])), rbind(summaries_impute[[1]],
  summaries_noimpute[[1]]))
```

```
stats
```

##	imputed	var	Min.	X1st.Qu.
## 1	Yes	# Diagnosed	45.00	121.50
## 2	Yes	Incidence (Base Case)	90.80	103.60

## 3	Yes	Incidence (Upper Bound)	87.54	95.12
## 4	Yes	Undiagnosed (Base Case)	2213.00	2438.00
## 5	Yes	Undiagnosed (Upper Bound)	4253.00	4521.00
## 6	No	# Diagnosed	45.00	121.50
## 7	No	Incidence (Base Case)	95.13	112.70
## 8	No	Incidence (Upper Bound)	91.71	104.40
## 9	No	Undiagnosed (Base Case)	1209.00	1380.00
## 10	No	Undiagnosed (Upper Bound)	2456.00	2686.00
##	Median	Mean	X3rd.Qu.	Max.
## 1	131.0	130.1	141.8	164.0
## 2	118.4	115.7	128.7	134.6
## 3	105.9	104.5	114.0	119.3
## 4	2632.0	2577.0	2742.0	2816.0
## 5	4816.0	4782.0	5055.0	5269.0
## 6	131.0	130.1	141.8	164.0
## 7	128.0	123.3	136.1	139.3
## 8	120.4	117.2	130.8	135.9
## 9	1473.0	1426.0	1504.0	1527.0
## 10	2866.0	2803.0	2952.0	3002.0