

# Update on epidemiology of HIV in Aotearoa New Zealand

**HIV Women's Seminar**  
**Auckland**  
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# Girls and women living with HIV globally

- ❖ **37.6** million people globally were living with HIV in 2020
- ❖ Half are **women and girls - 18.8 million**
- ❖ Nearly **870,000** new HIV infections among women and girls every year
- ❖ Every week **5000** young women (aged 15-24) acquire HIV

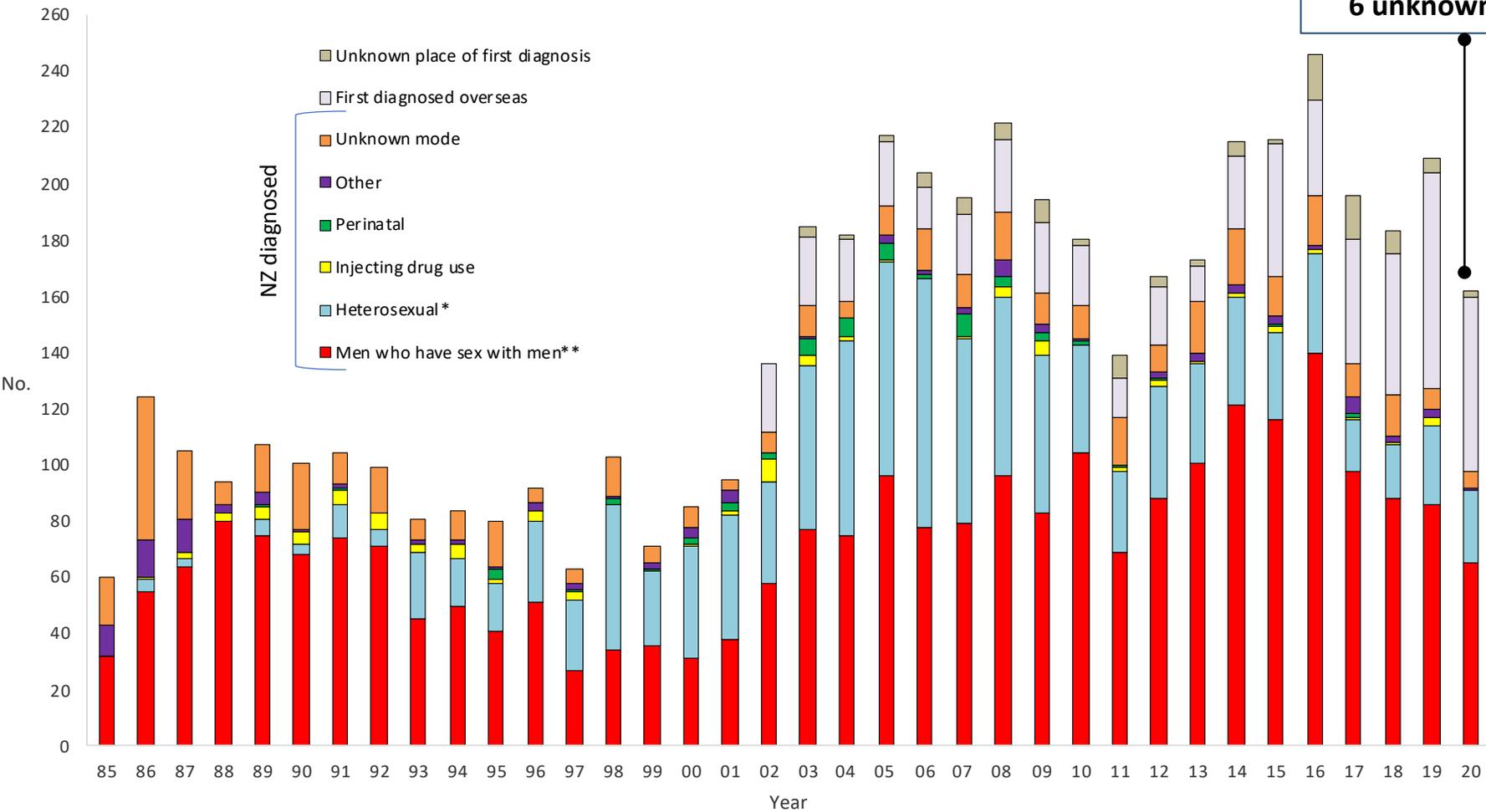


## In New Zealand .....

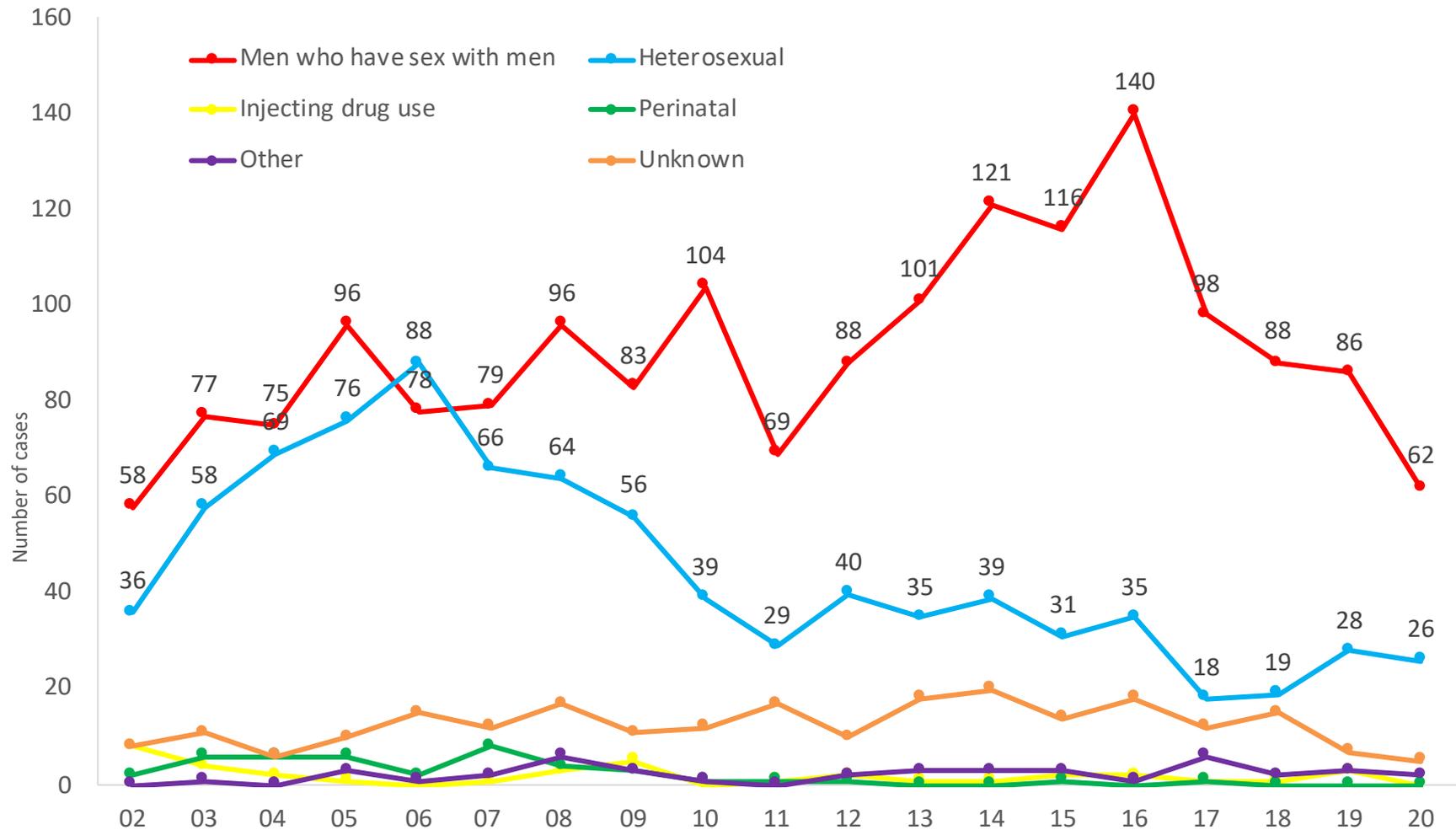
- ❖ 450 women on ART in NZ in 2020
- ❖ Average of 18 women per year diagnosed in NZ over the past 10 years

# Annual number reported with HIV in New Zealand by means of acquisition - 1985-2020

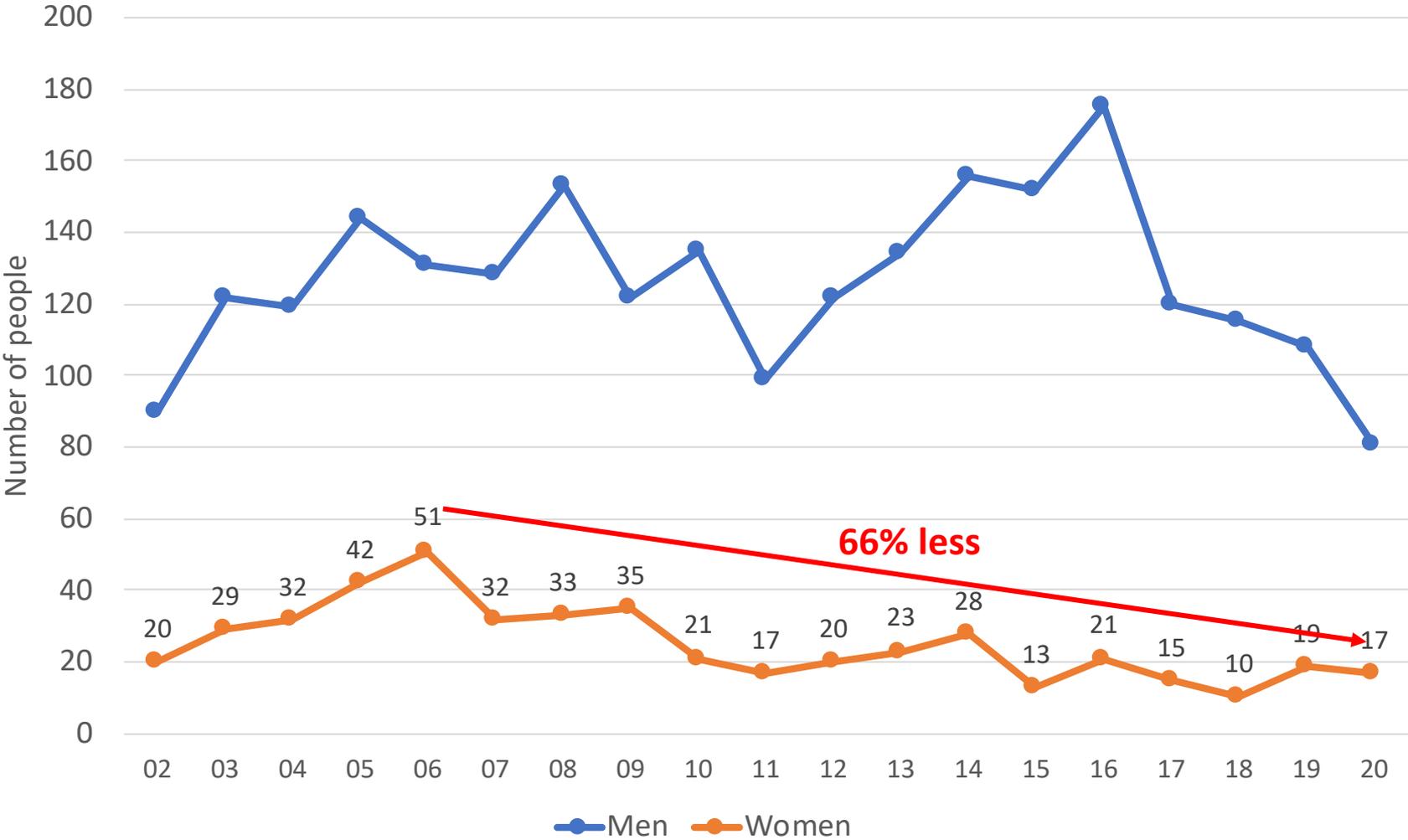
**Total: 162**  
**First diagnosis:**  
**95 NZ**  
**61 overseas**  
**6 unknown**



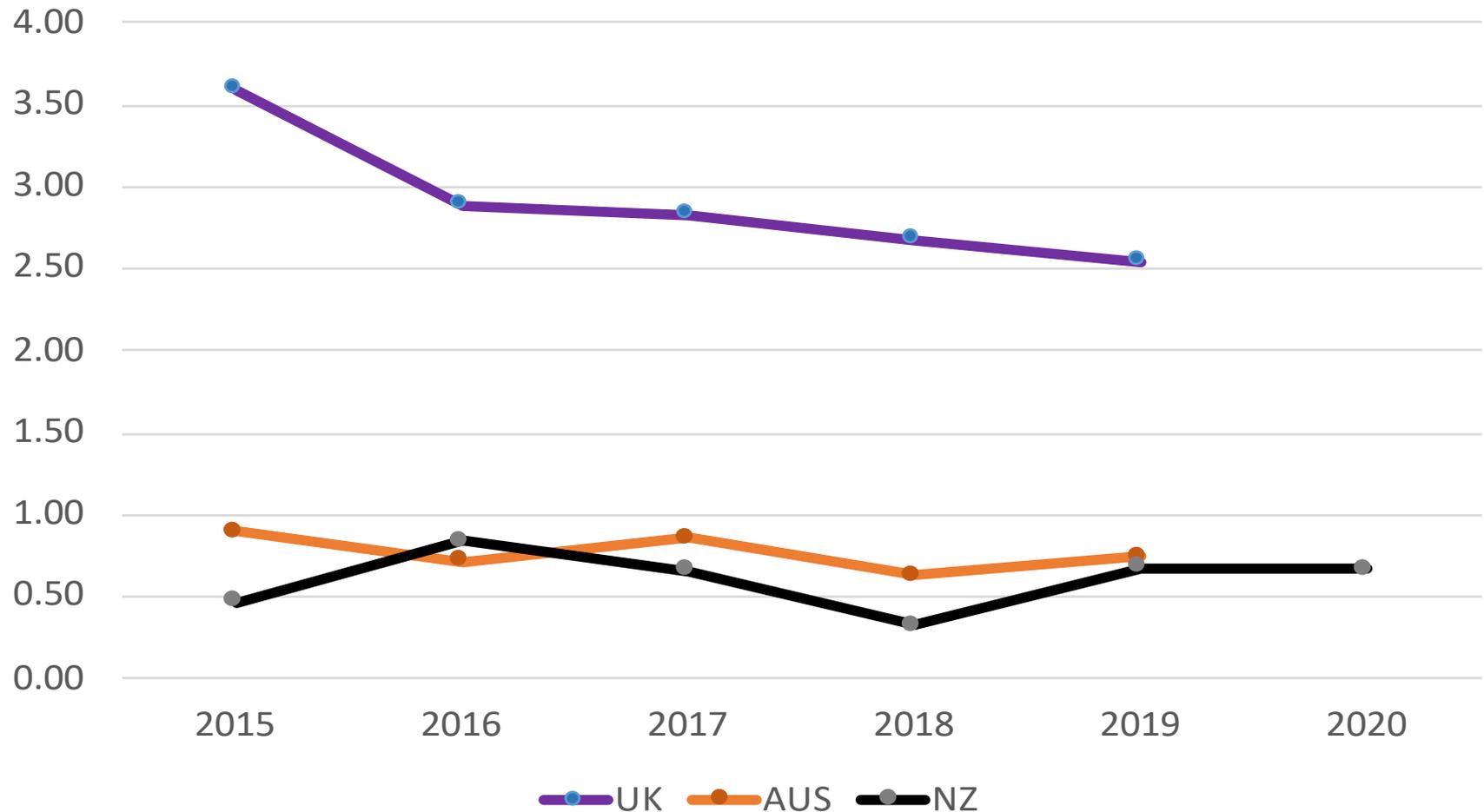
# Annual number of people diagnosed with HIV in New Zealand, by main mode of acquisition: 2002-2020



# Annual number of men and women diagnosed with HIV in New Zealand: 2002-2020



# Annual rate of HIV diagnoses in women per 100,000 women: New Zealand, Australia & United Kingdom



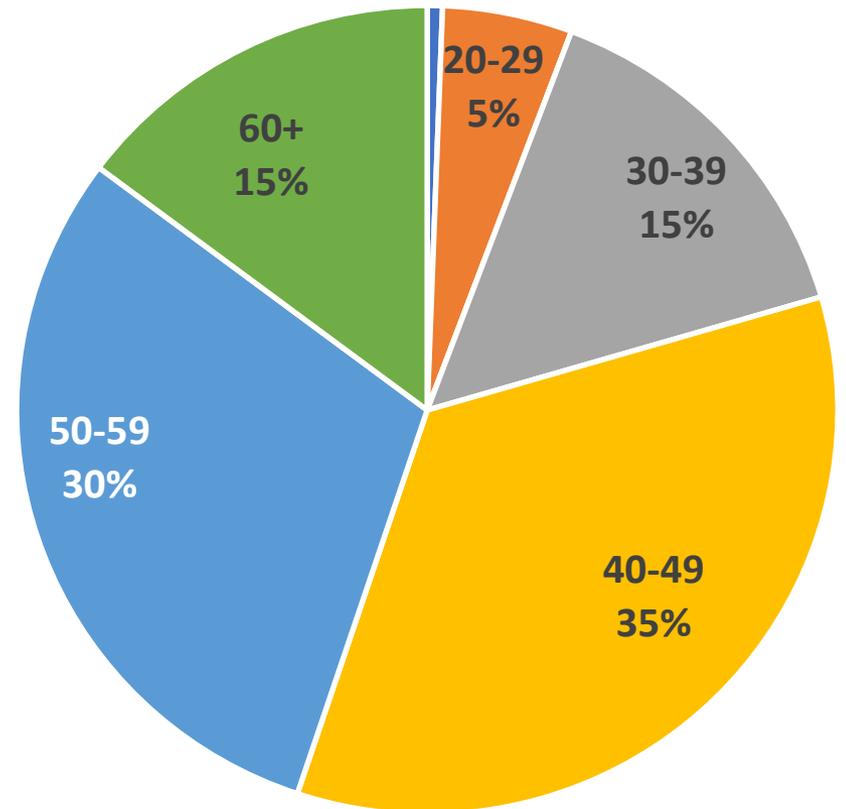
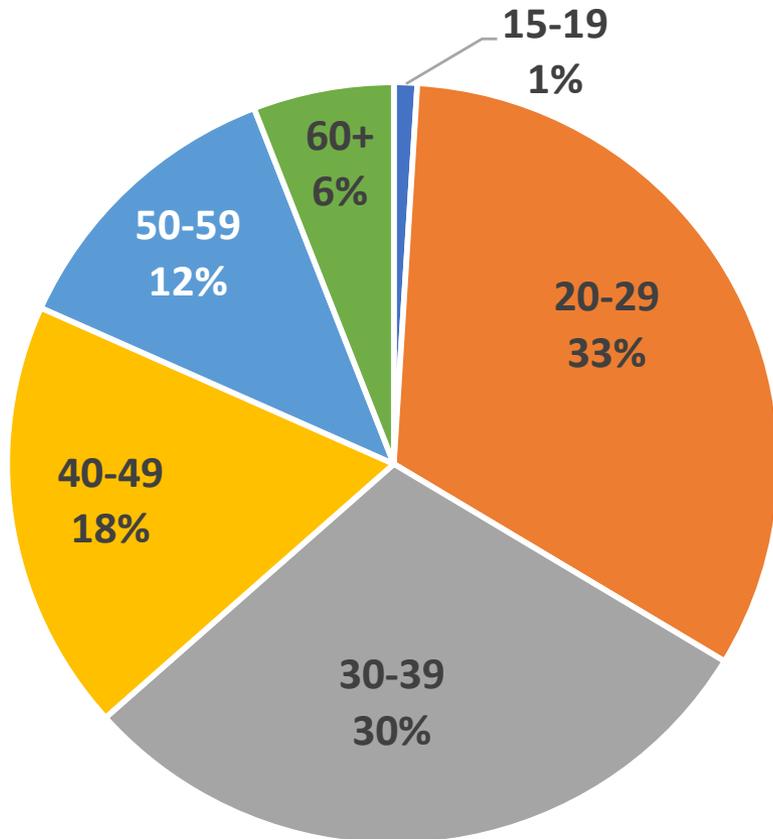
Australian: [kirby.unsw.edu.au/report/hiv-viral-hepatitis-and-sexually-transmissible-infections-australia-annual-surveillance](http://kirby.unsw.edu.au/report/hiv-viral-hepatitis-and-sexually-transmissible-infections-australia-annual-surveillance)

United Kingdom: Public Health England, United Kingdom National HIV surveillance data tables No.2: 2020

**Characteristics of women diagnosed  
with HIV in New Zealand**

**Age at time of diagnosis of women diagnosed with HIV in New Zealand: 2011-2020**

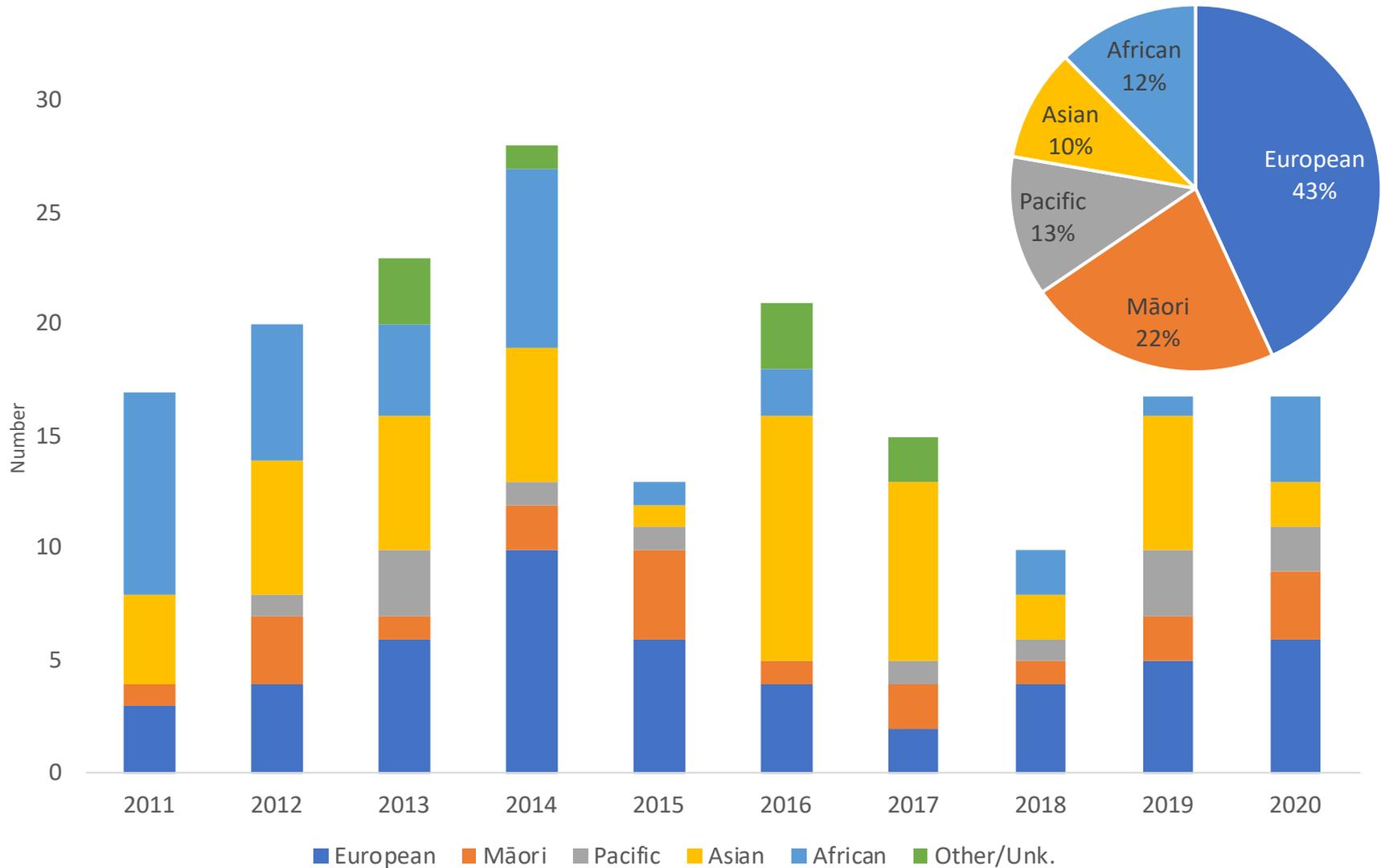
**Estimated current age of women living with HIV in New Zealand**



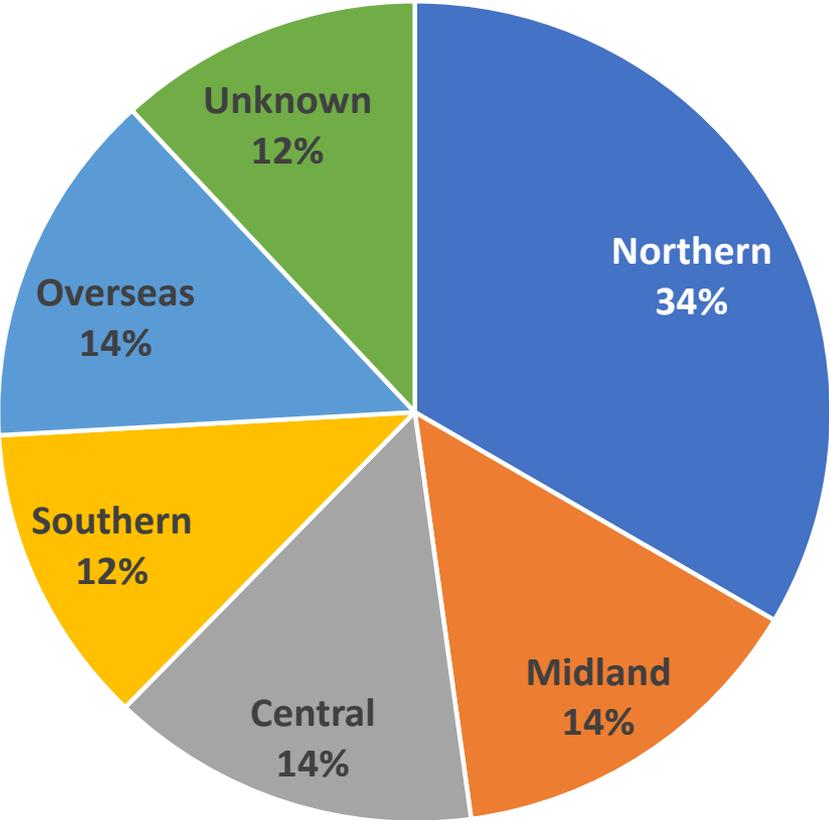
Age range: 17-70 years

# Ethnicity of women diagnosed with HIV in New Zealand: 2011-2020

Ethnicity of women whose HIV was acquired  
in New Zealand

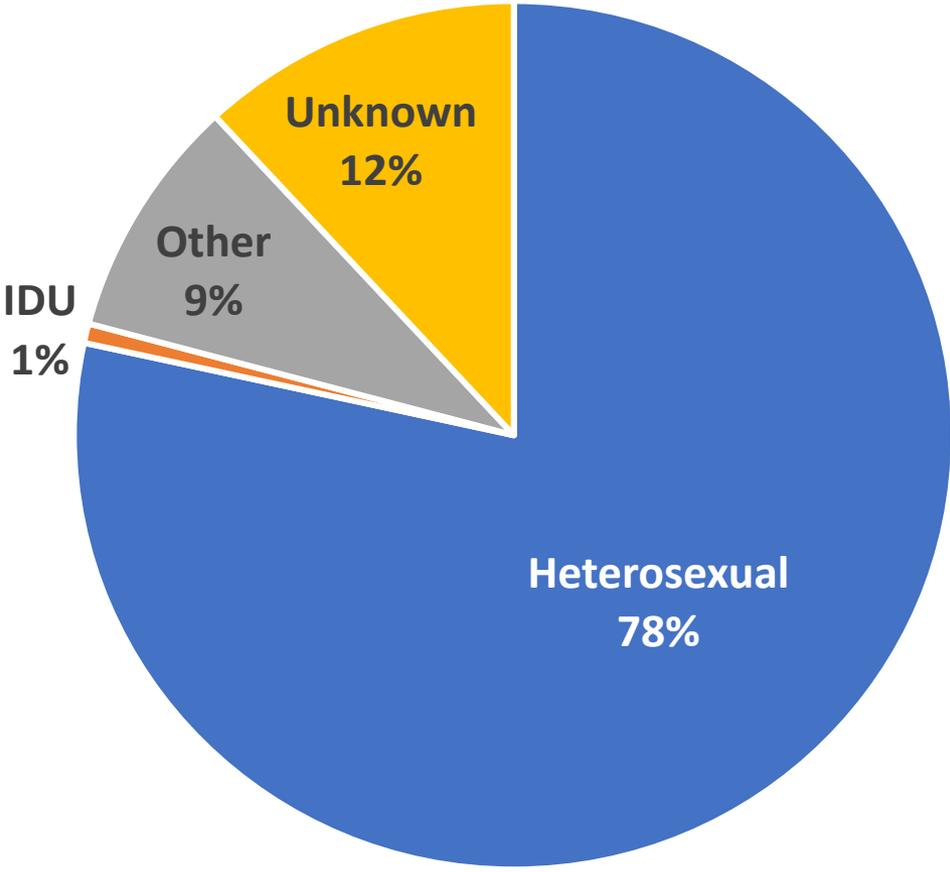


# Place of residence of women diagnosed with HIV in New Zealand: 2011-2020 (n=183)

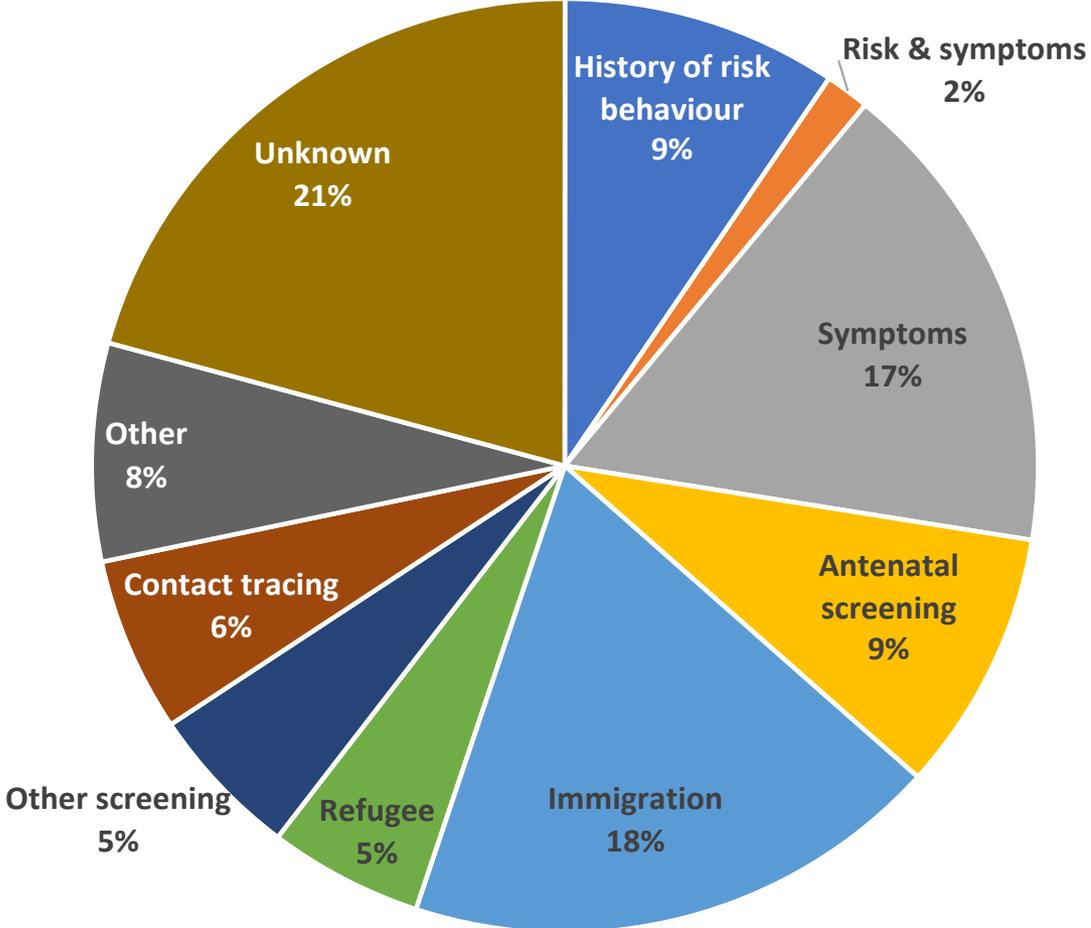


Region of residence at the time of HIV notification

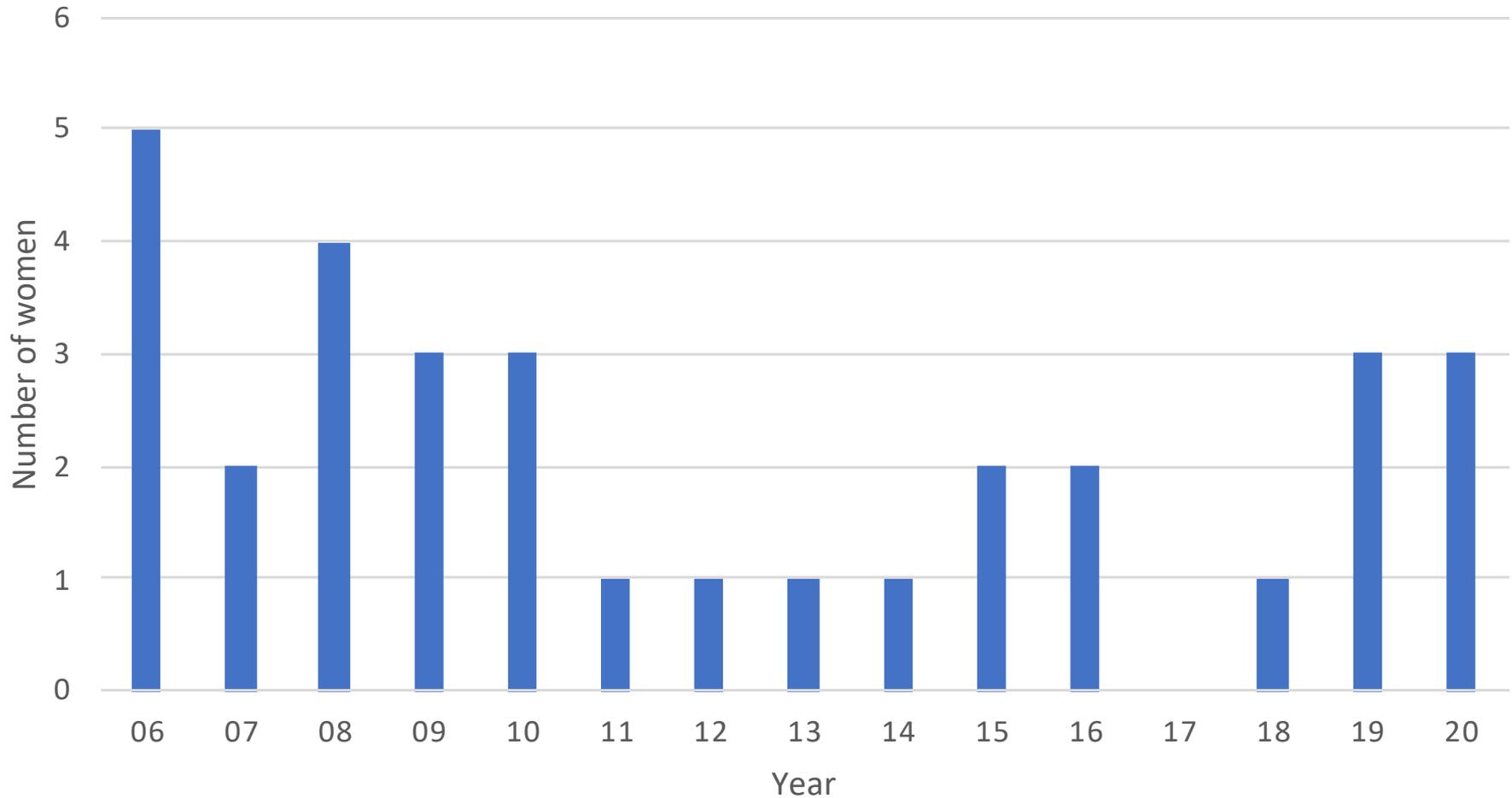
# Means of acquisition of women diagnosed with HIV in New Zealand: 2011-2020 (n=183)



# Reason for HIV test of women diagnosed with HIV in New Zealand: 2011-2020 (n=183)



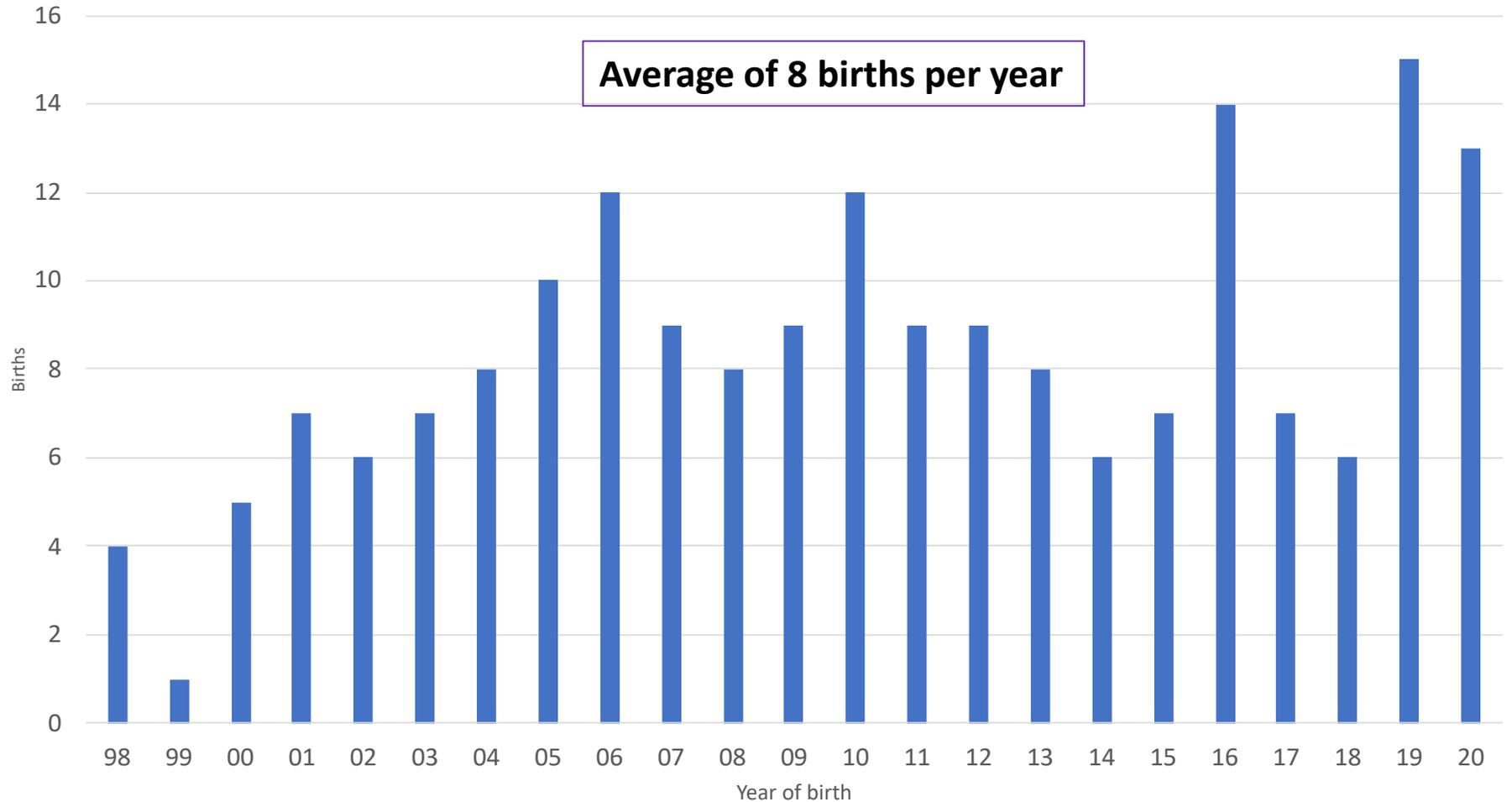
# Women diagnosed with HIV through antenatal screening: 2006-2020 (n=32)



## Initial CD4 count heterosexual men & women diagnosed and HIV acquired in New Zealand 2011 – 2020

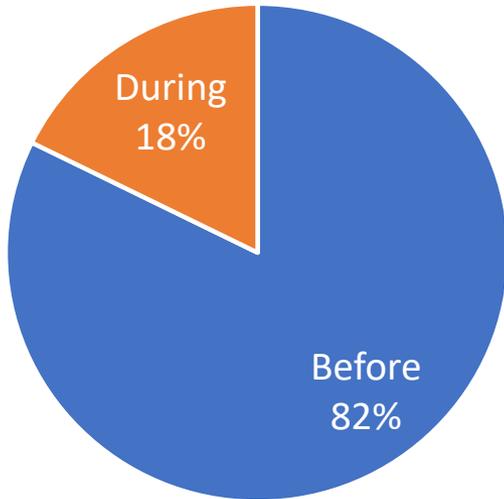
	Men		Women		MSM	
	No.	%	No.	%	No.	%
<350	24	50.0	31	47.7	213	32.8
350-499	9	18.8	11	16.9	144	22.1
500 or more	15	31.2	23	35.4	293	45.1
Unknown	7		4		37	
Total	55		69		687	

# Births to known HIV positive women in New Zealand (n=192)

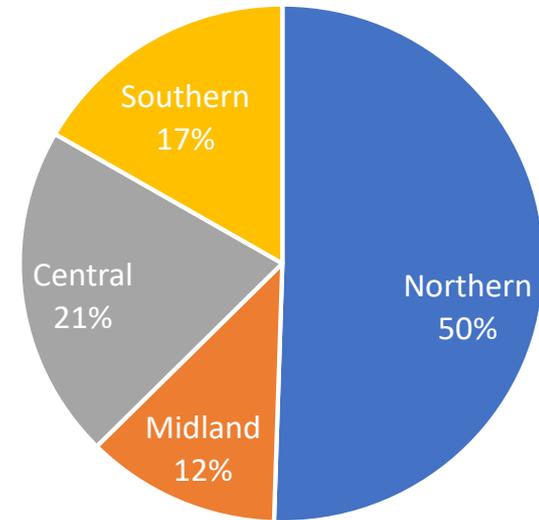


# Births to known HIV positive women in New Zealand (n=192)

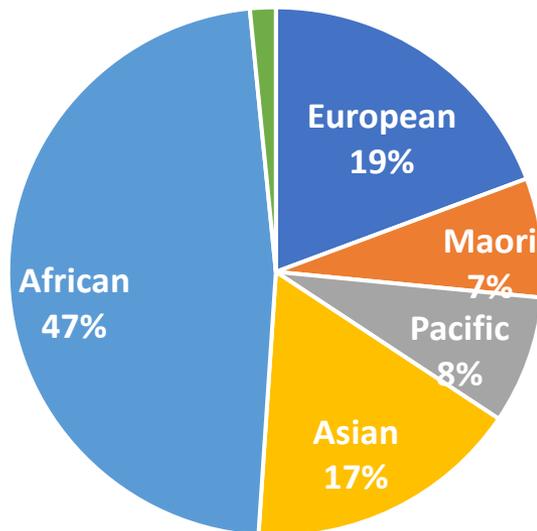
## Timing of diagnosis



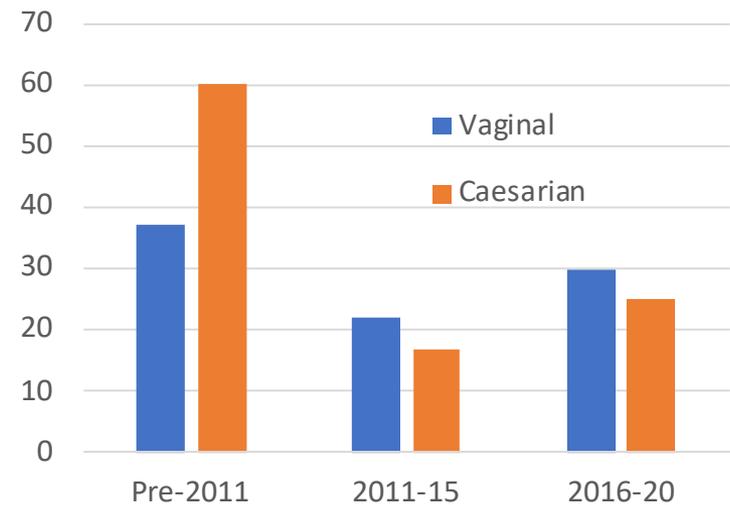
## Region of birth



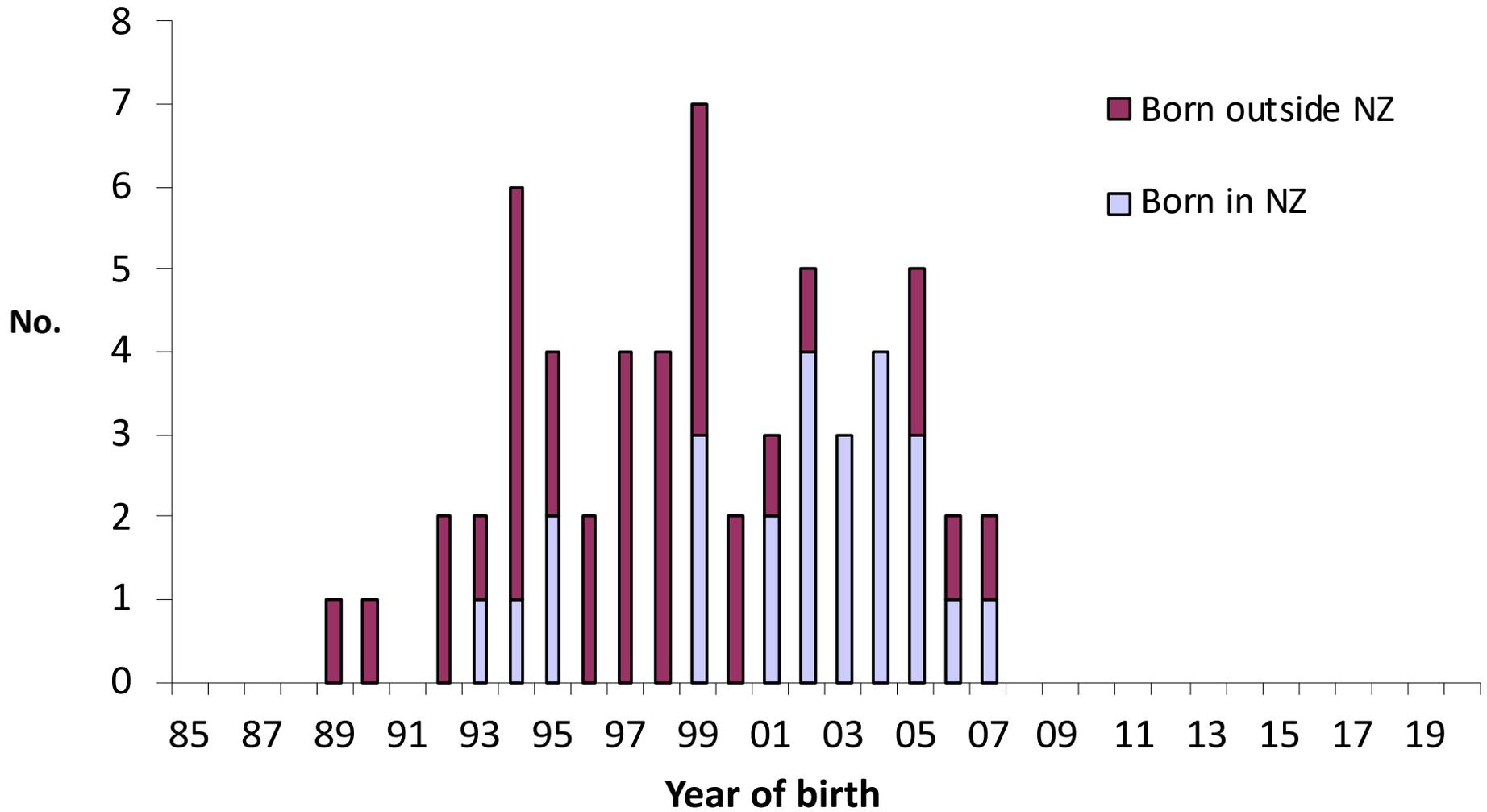
## Mother's ethnicity



## Method of delivery

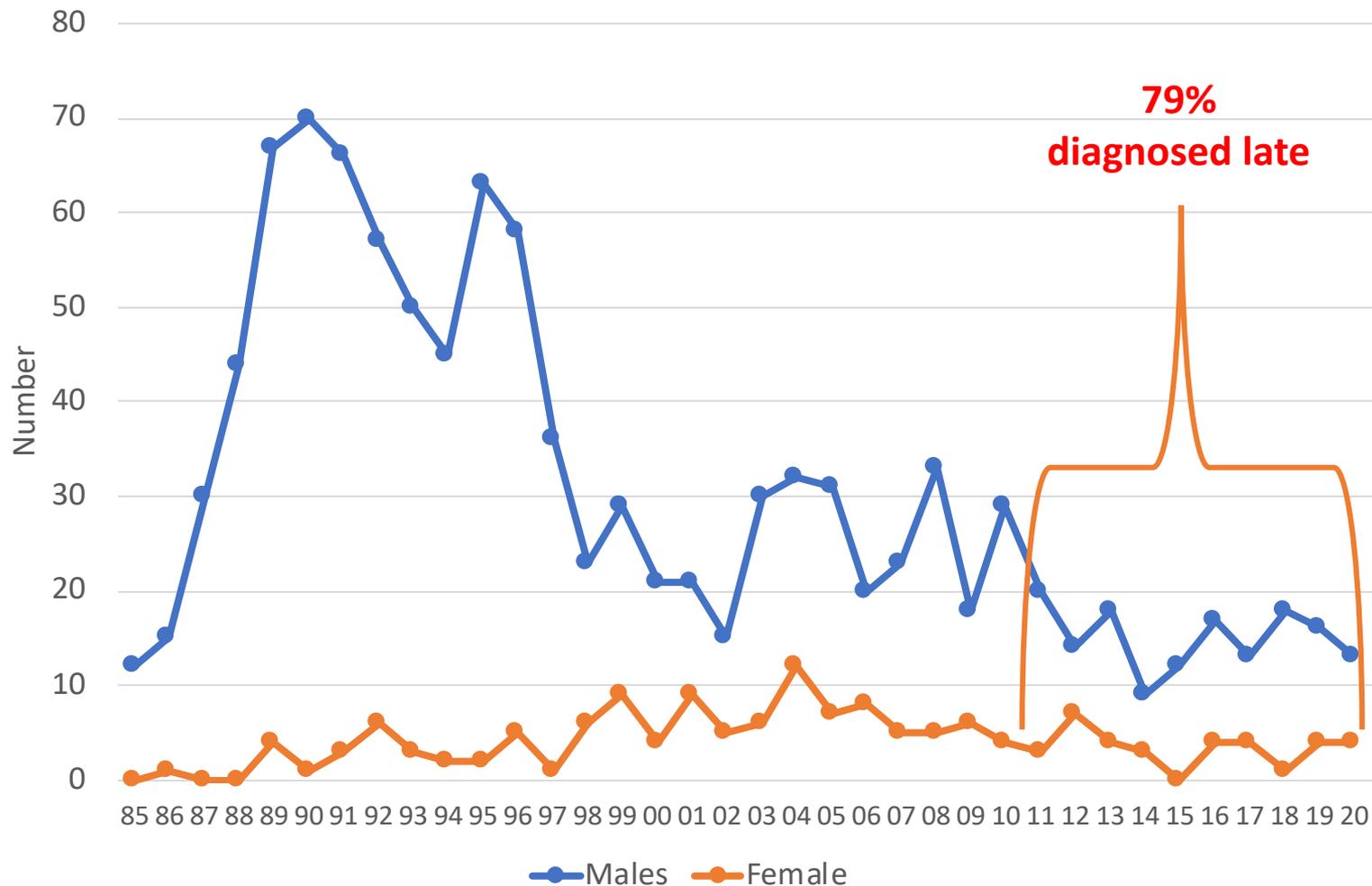


# Mother to child transmission



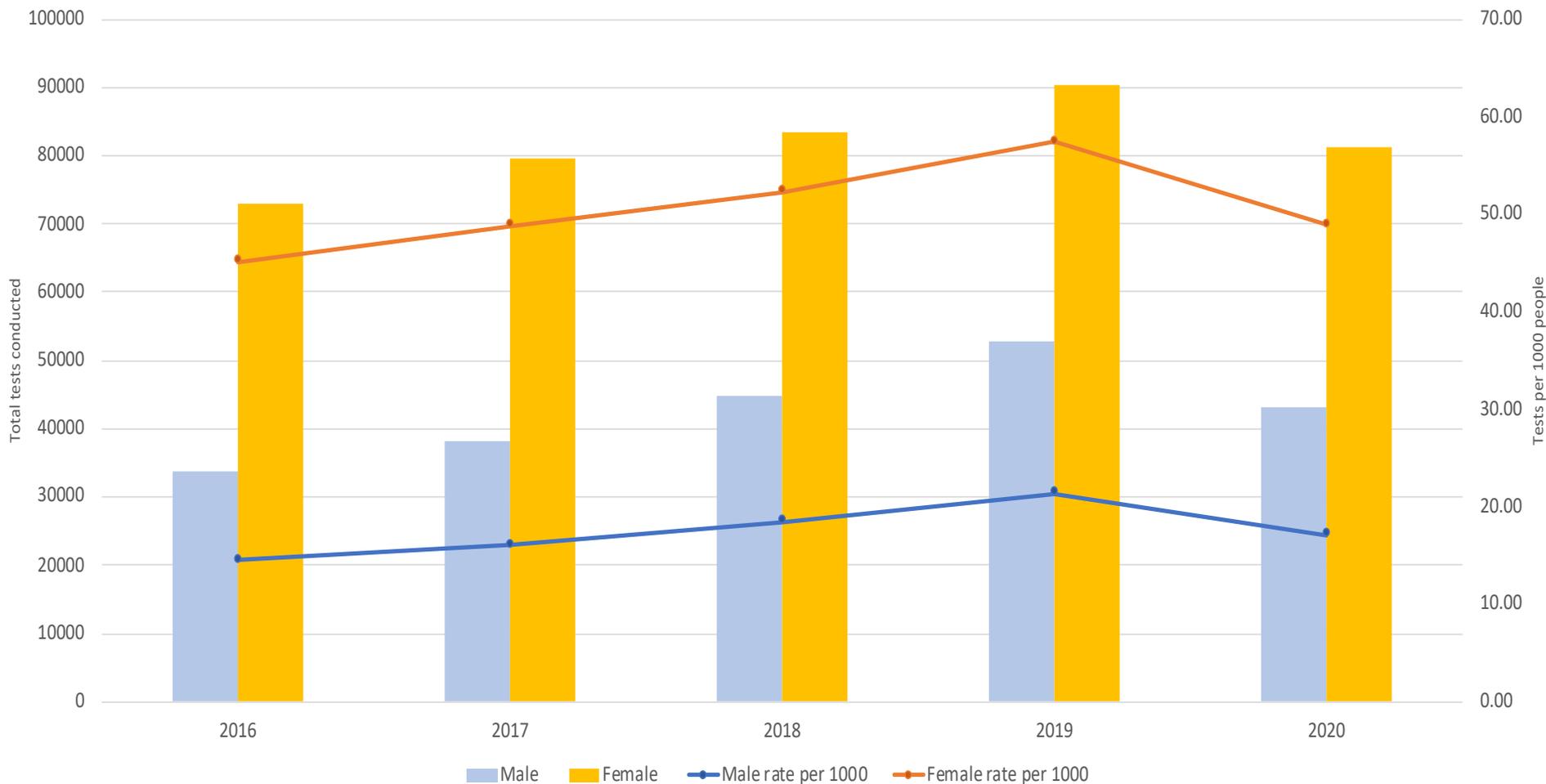
**AIDS**

# Annual number of males (n=1088) and females (n=140) diagnosed with AIDS

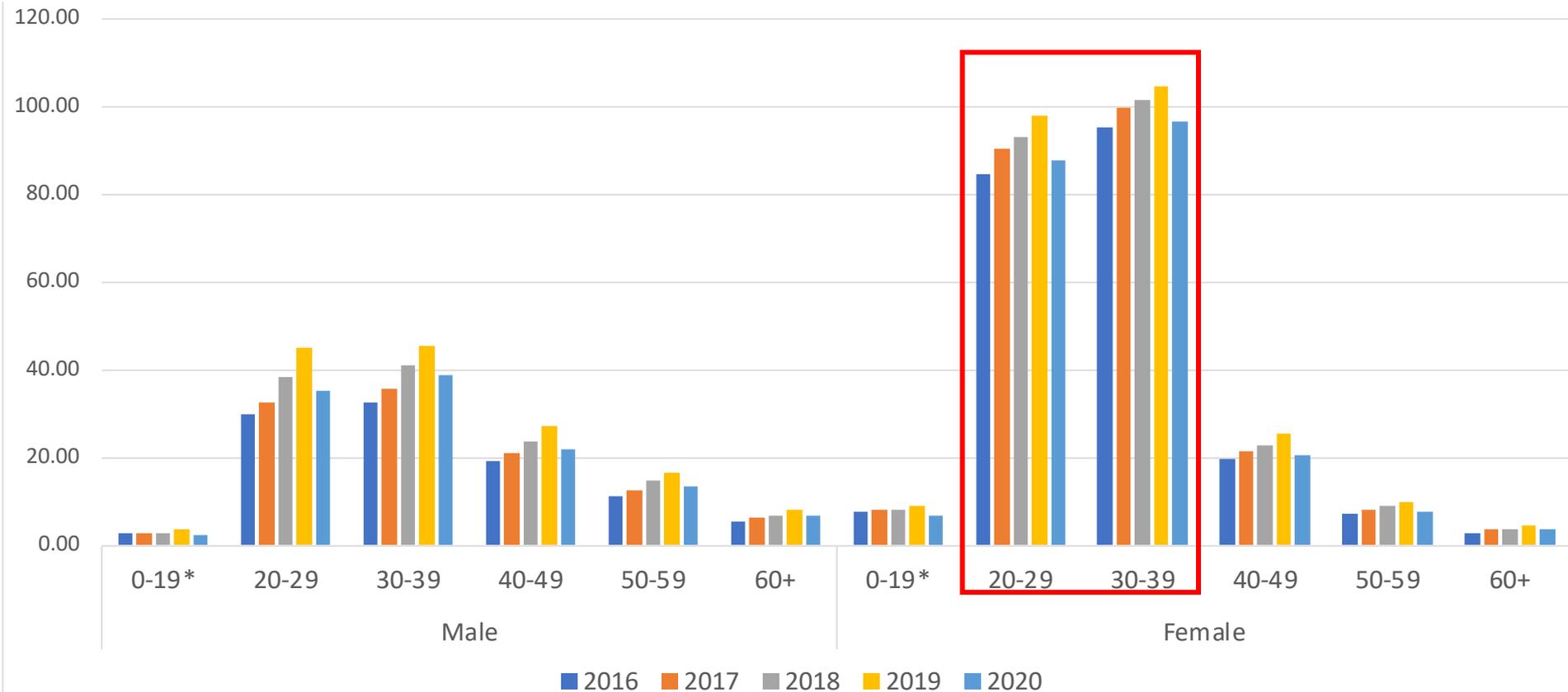


# **HIV testing**

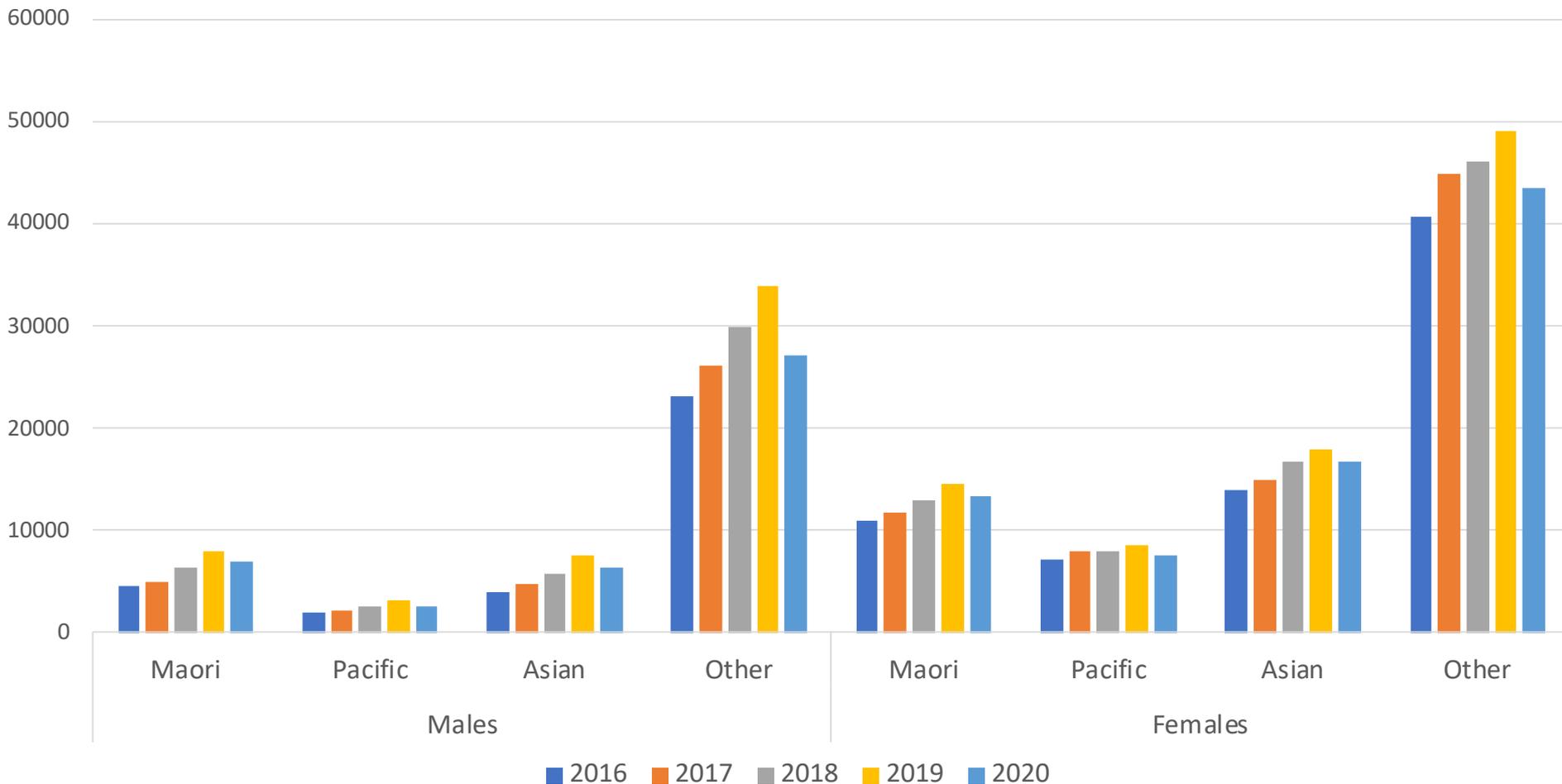
# Total number of HIV screening tests, and rate per 1000, by year and sex



# HIV screening tests per 1000 people in males and females, by age group



# Number of HIV screening tests in males and females, by ethnicity



# Summary

- The number of women diagnosed with HIV in New Zealand has declined since the 2000's and has remained stable since then
- Wide age range
- Women of all ethnicities but more Māori and European acquiring HIV in New Zealand
- Despite a large amount of HIV testing, late diagnosis of HIV in women is a problem

# Acknowledgements

- Positive Women Incorporated & Sponsors of today's seminar
- Clinicians, HIV nurse specialists and their support staff
- Laboratory staff
- Ministry of Health – Funding of the AIDS Epidemiology Group
- AIDS Epidemiology Group – Dr Jerram Bateman and Miss Ashleigh de Gouw