

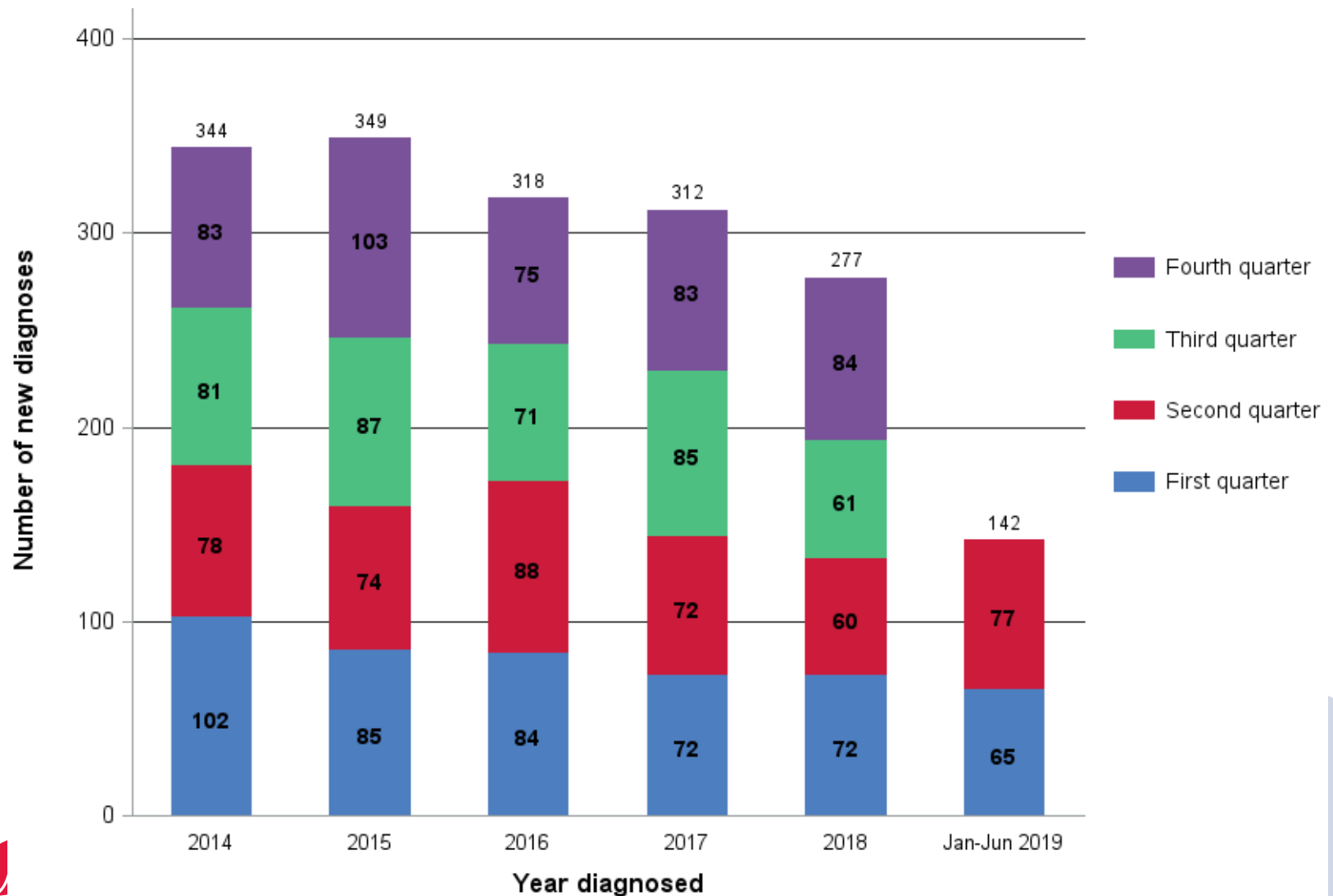
# Emerging trends in NSW HIV notifications

Dr Christine Selvey  
Health Protection NSW

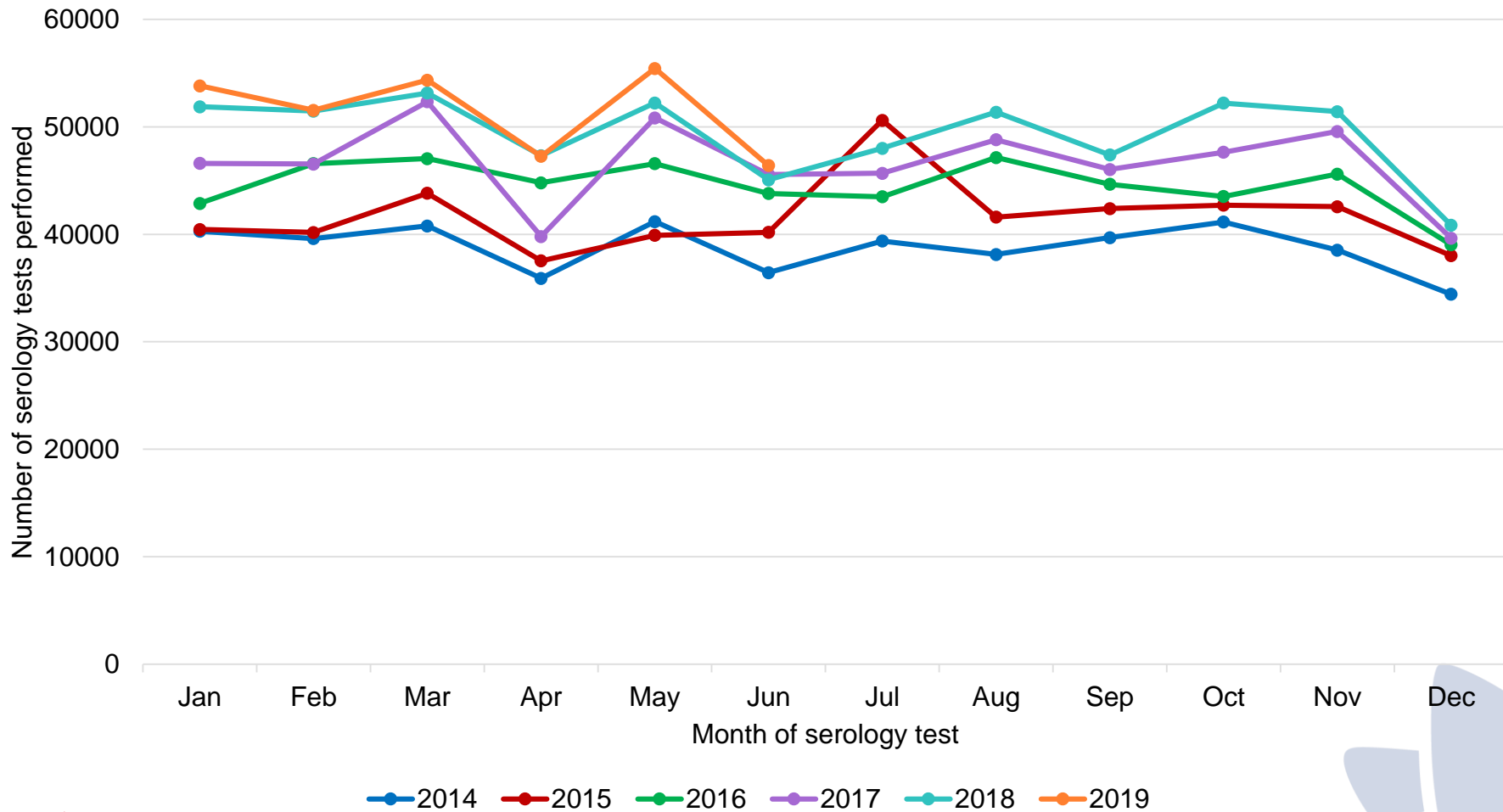


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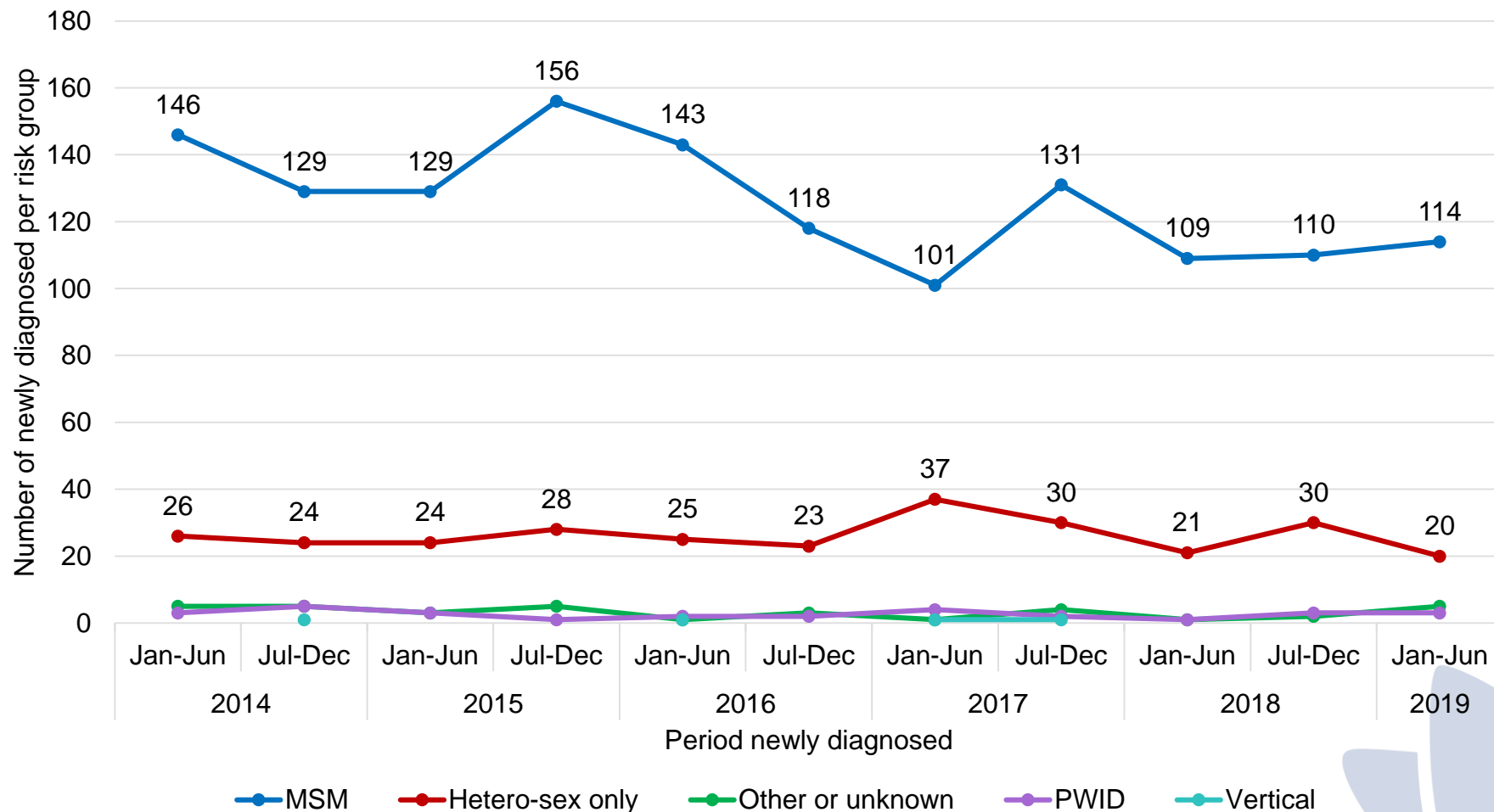
# New diagnoses of HIV in all NSW residents



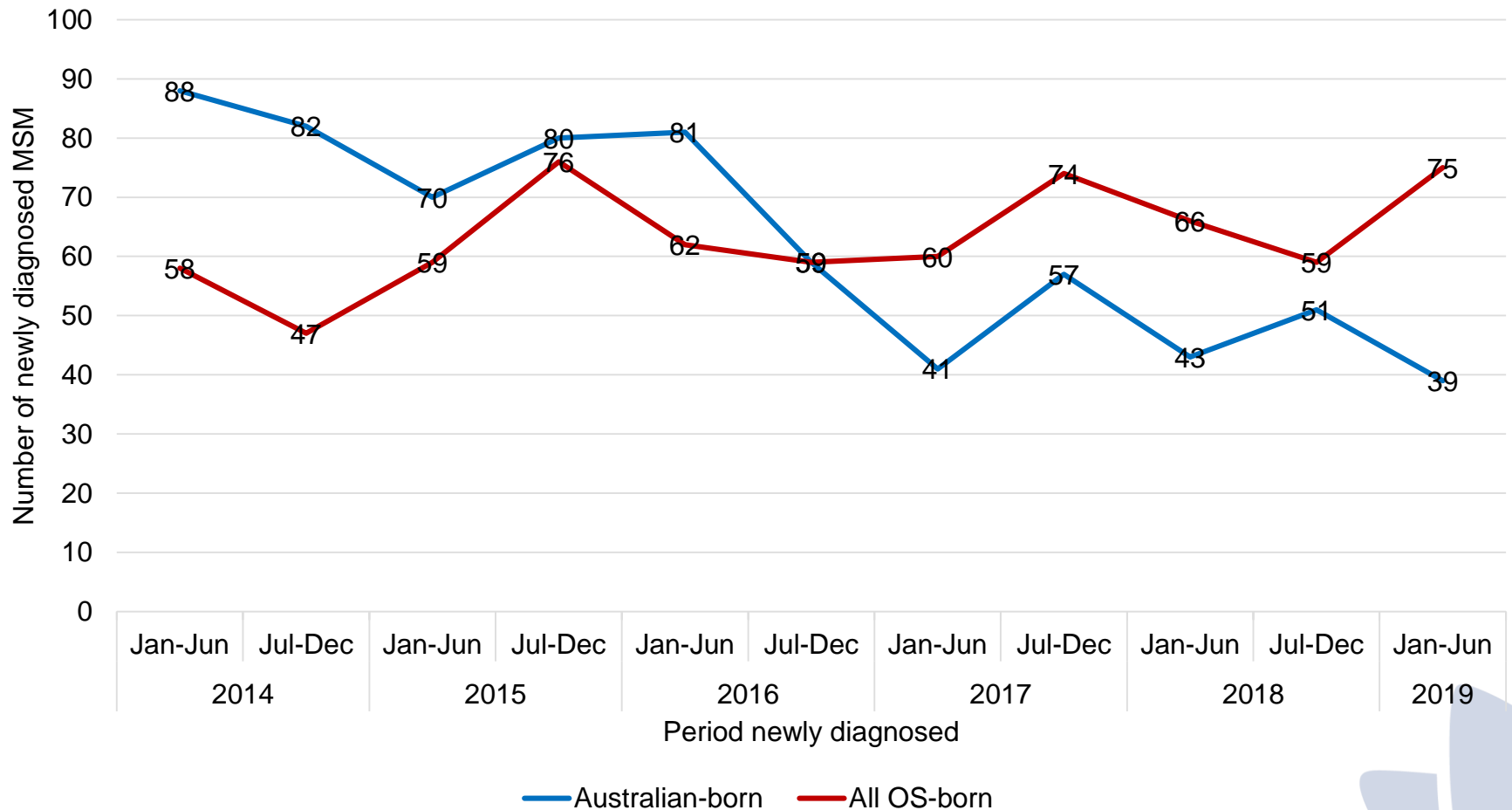
# Total HIV serology tests from 15 NSW labs



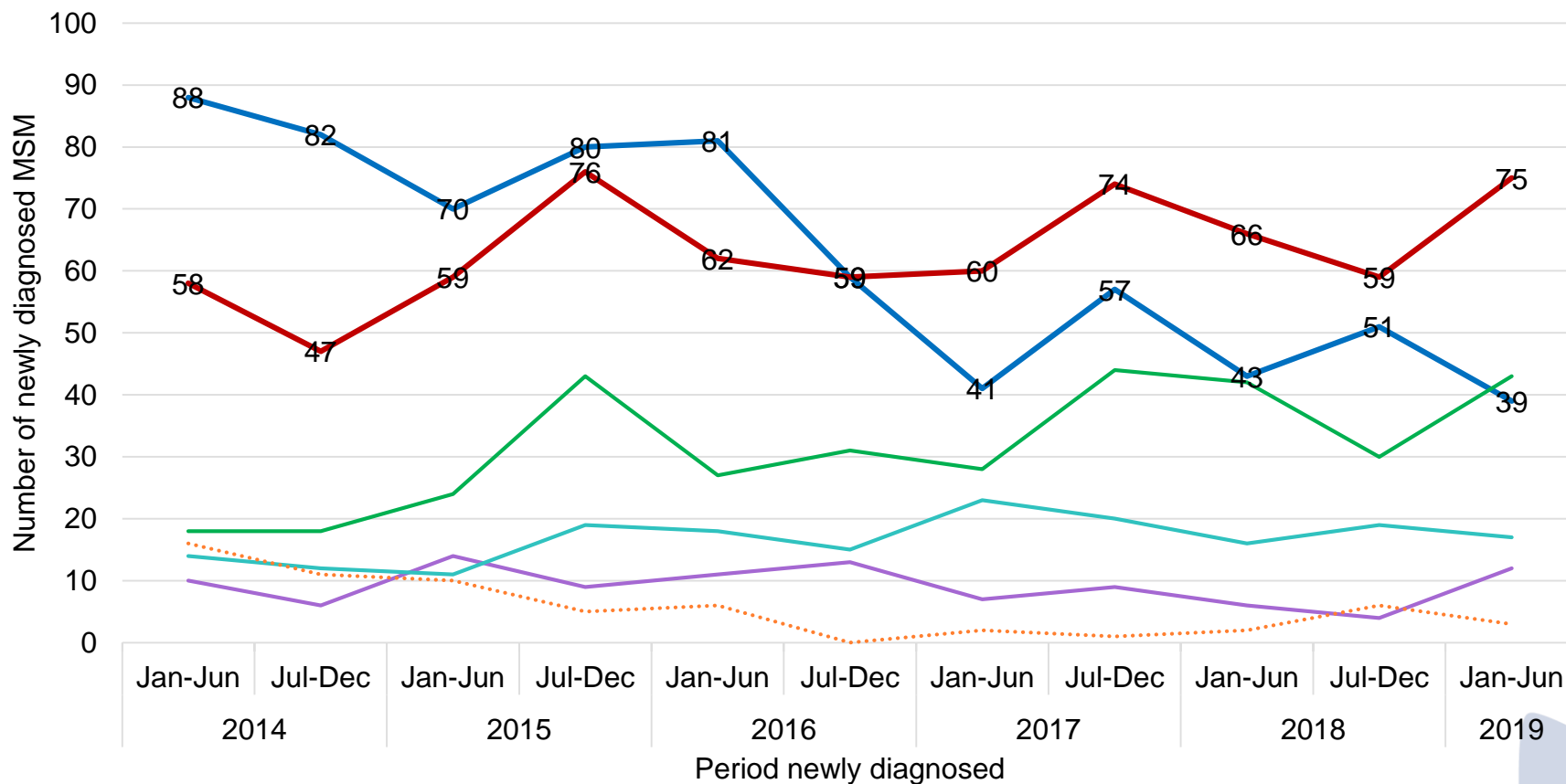
# Reported risk exposure of new HIV diagnoses



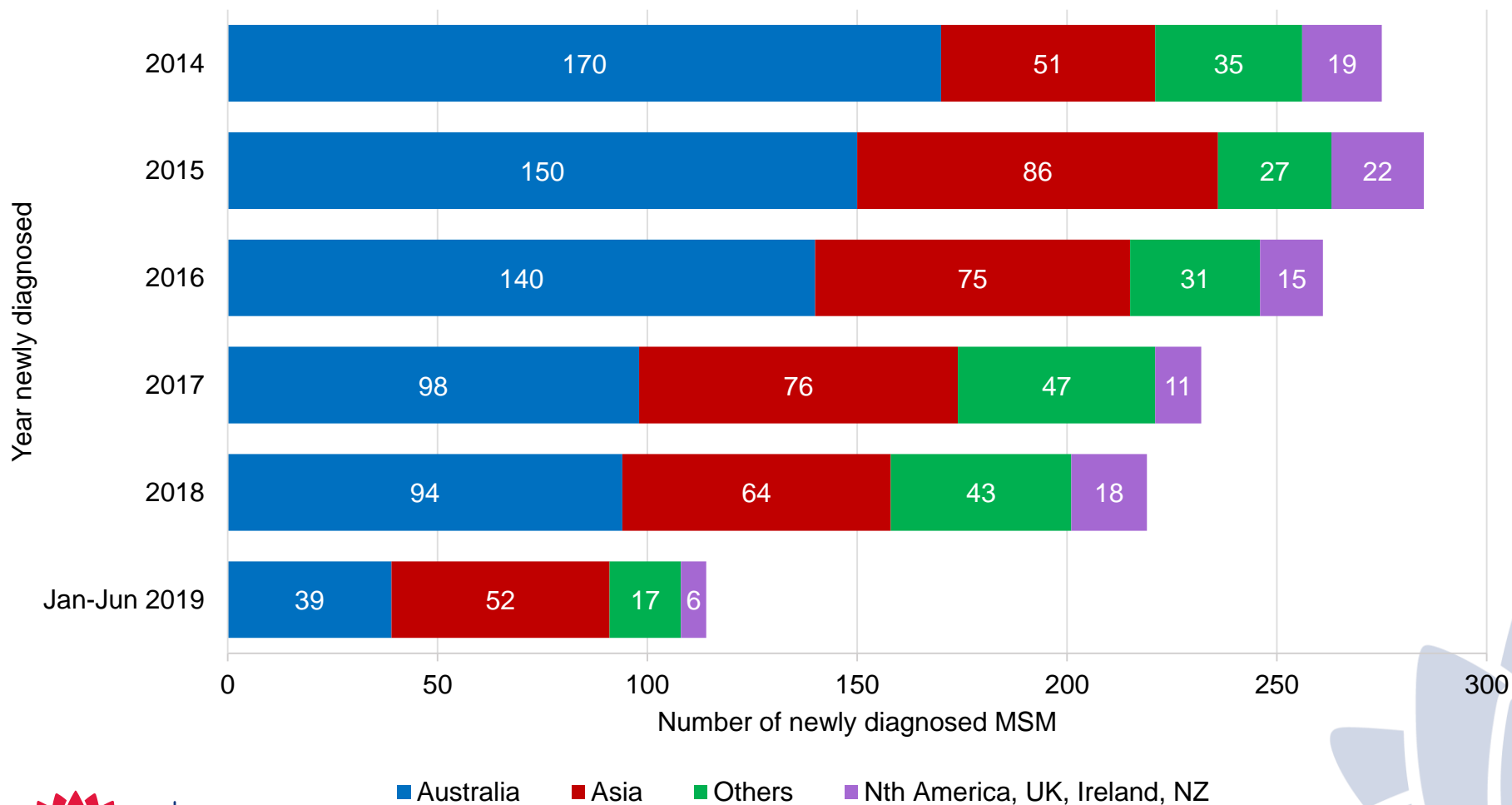
# Newly diagnosed MSM by place of birth



# Newly diagnosed MSM by place of birth and years living in Australia

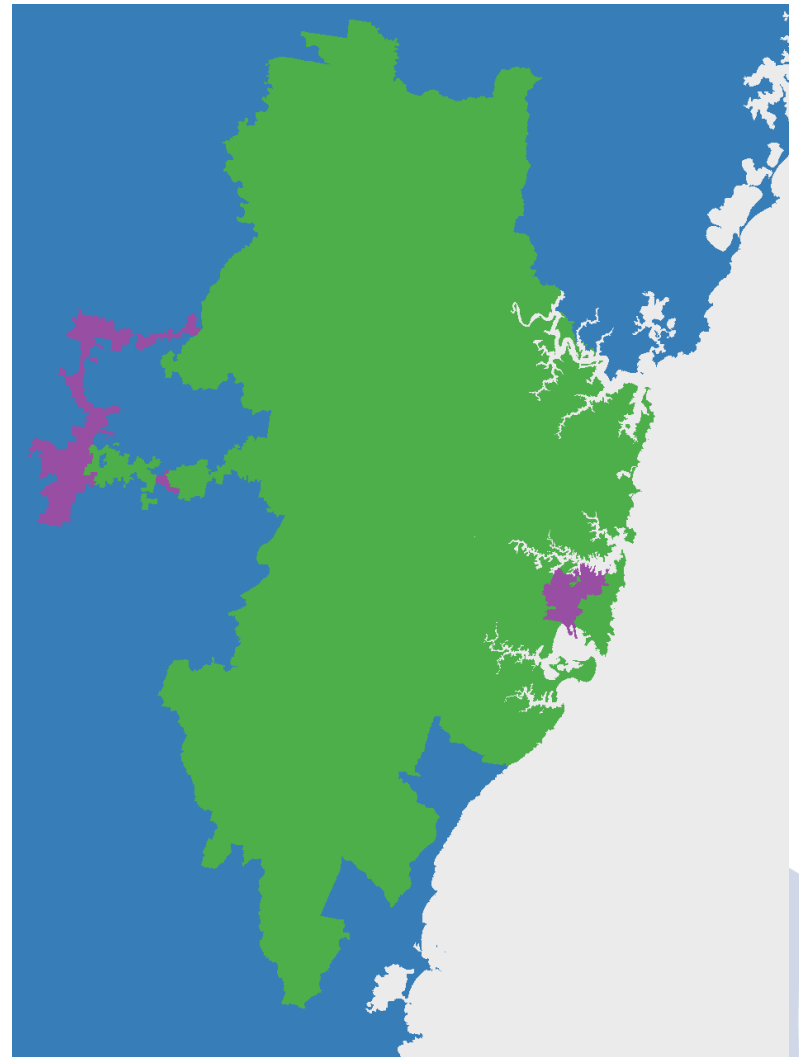


# World area of birth for newly diagnosed MSM



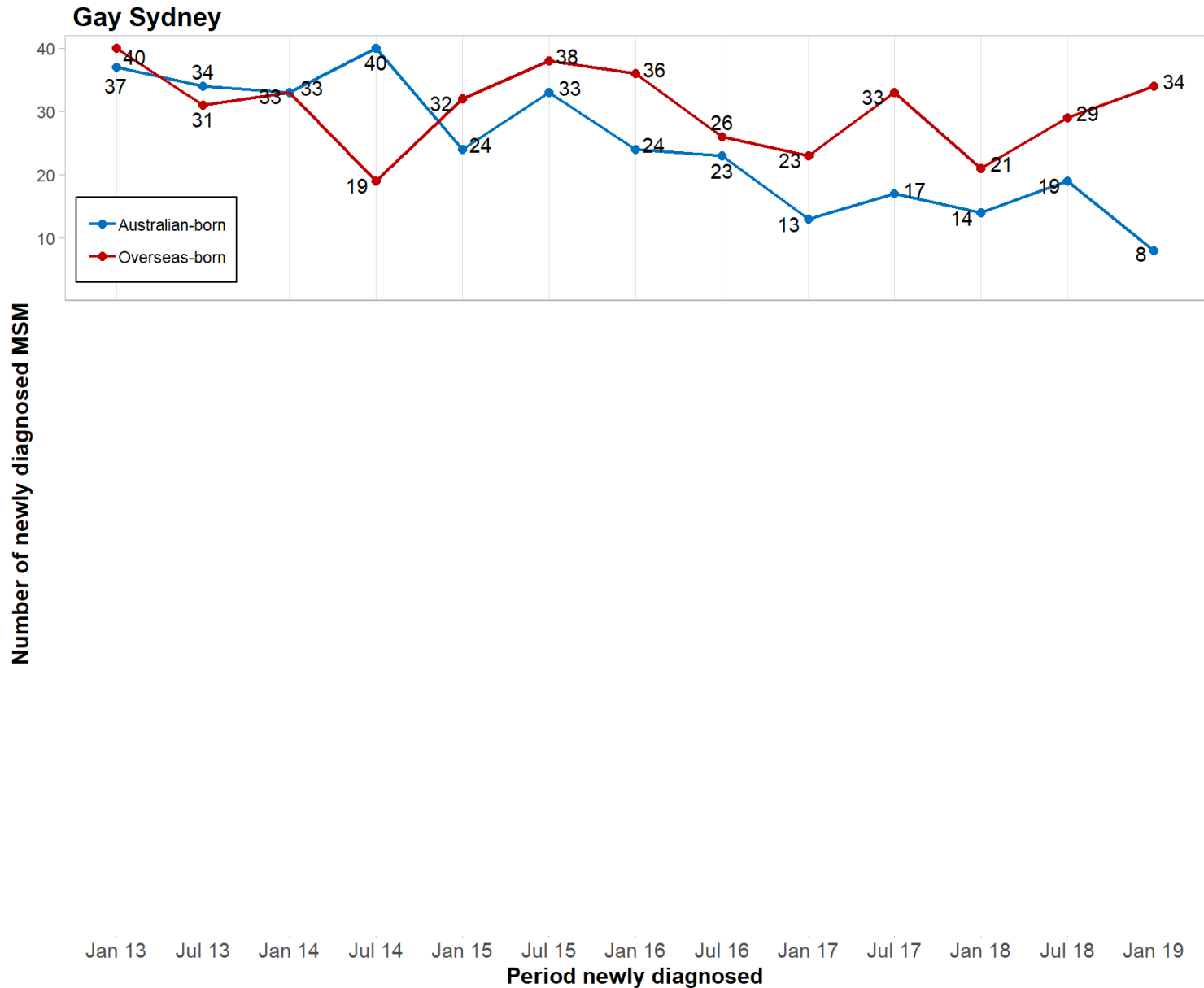
# Defining area of residence

- ▶ ‘Gay Sydney’ is a group of 29 postcodes in greater Sydney where the proportion of adult males who are gay men is  $>5\%$ 
  - ▶ Gay Sydney is **purple**
  - ▶ Other Sydney is **green**
  - ▶ Other NSW is **blue**

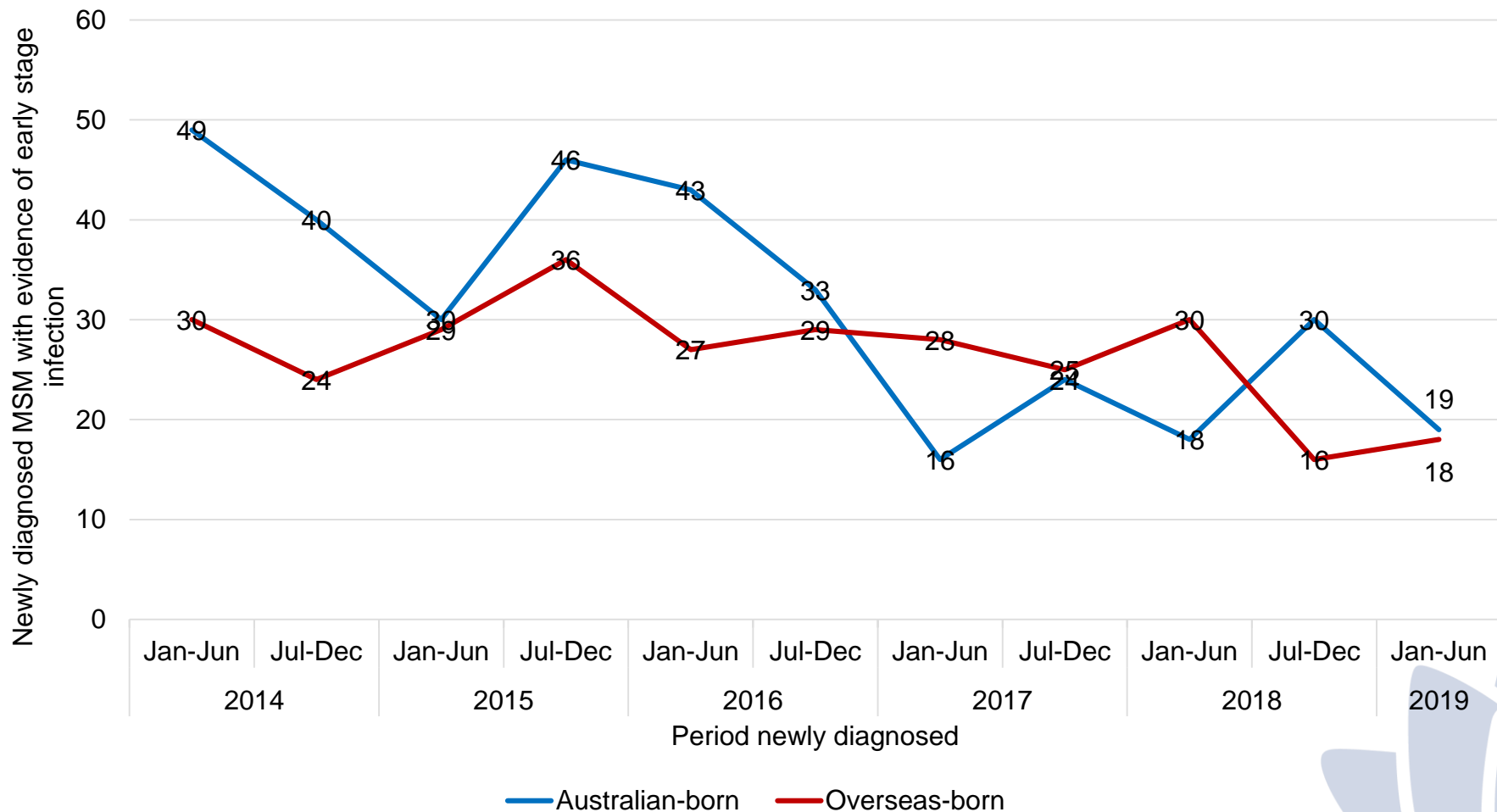




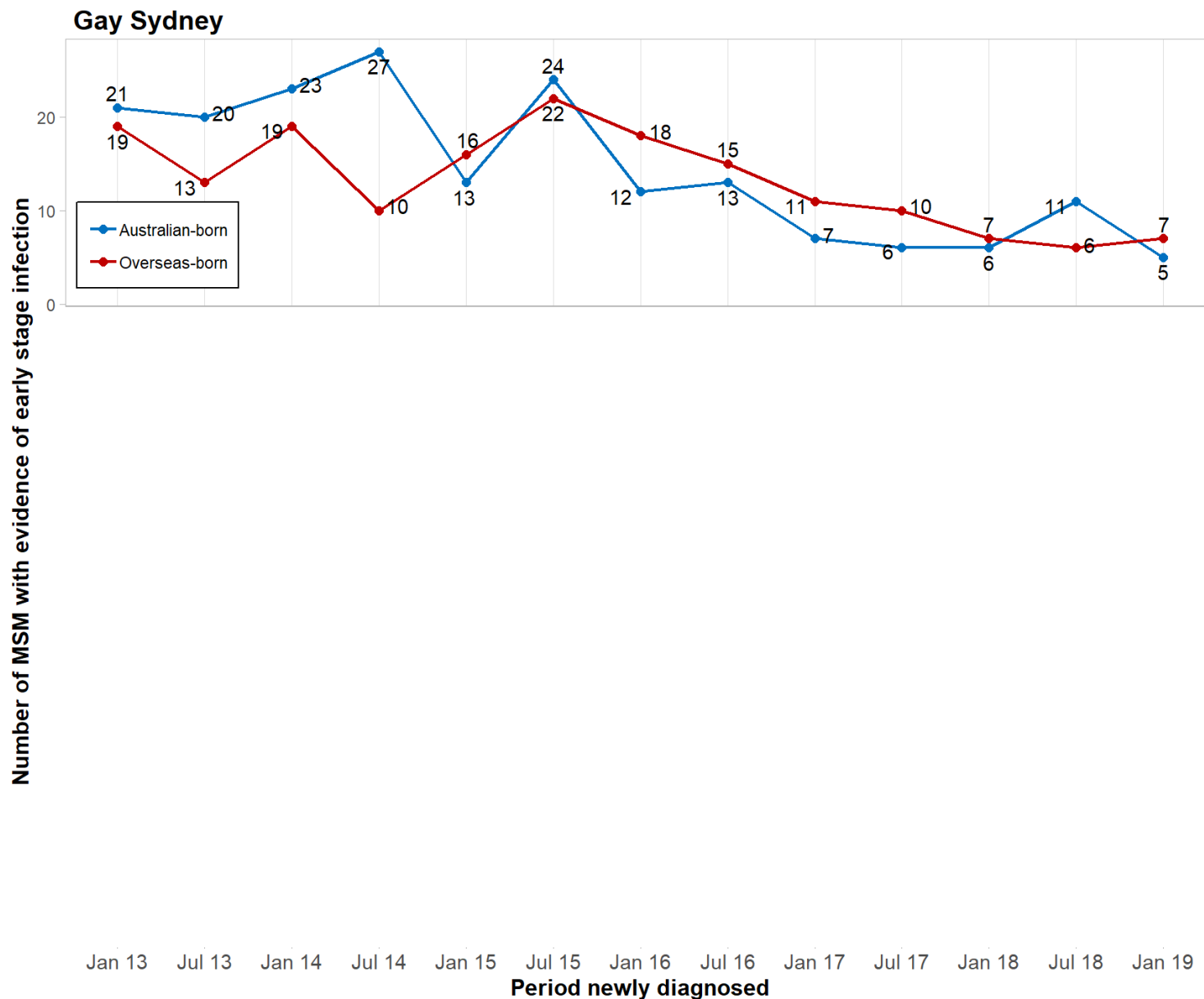
# Newly diagnosed MSM, by area of residence & place of birth



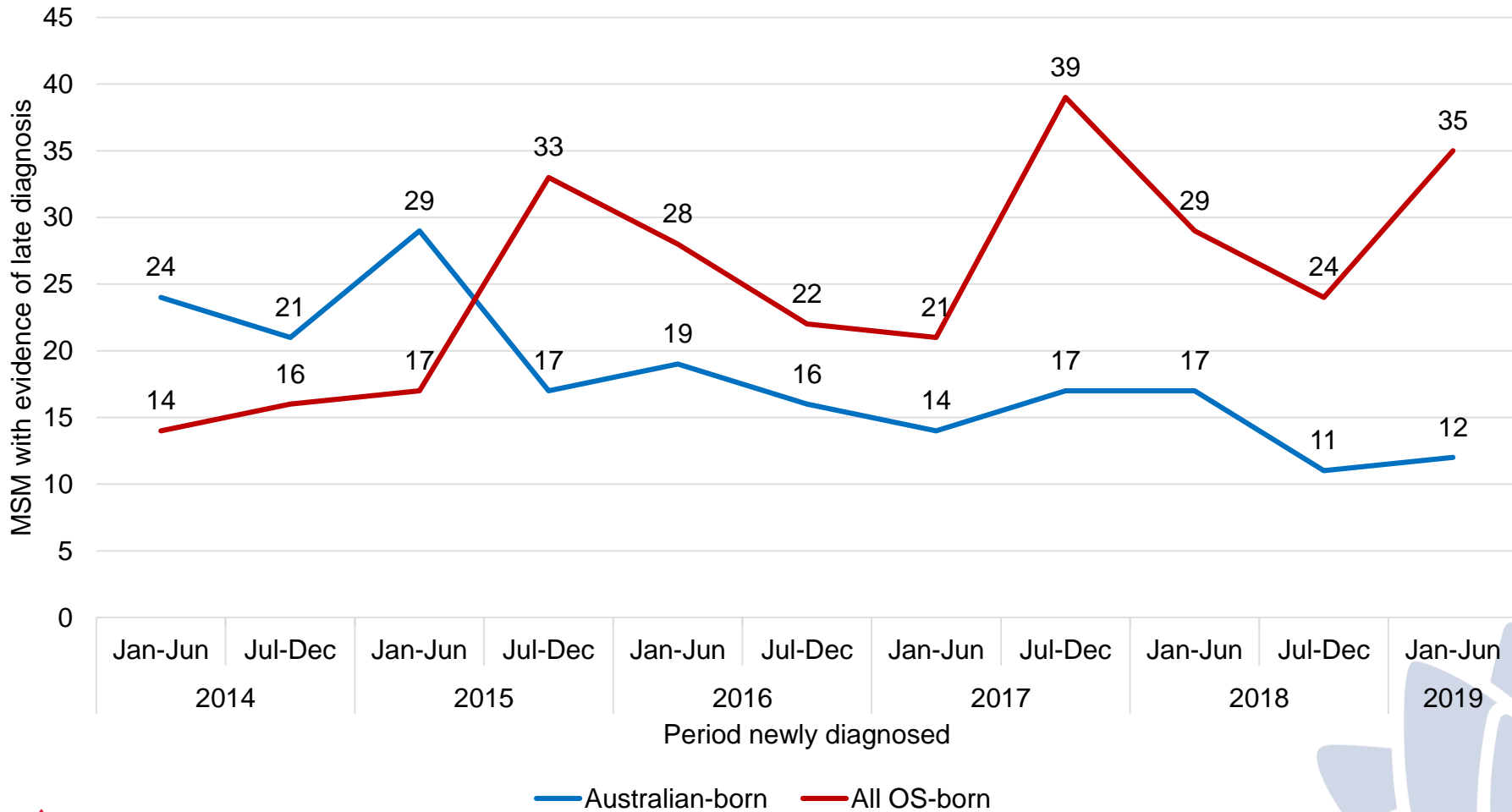
# Newly diagnosed MSM with evidence of early stage infection, by place of birth



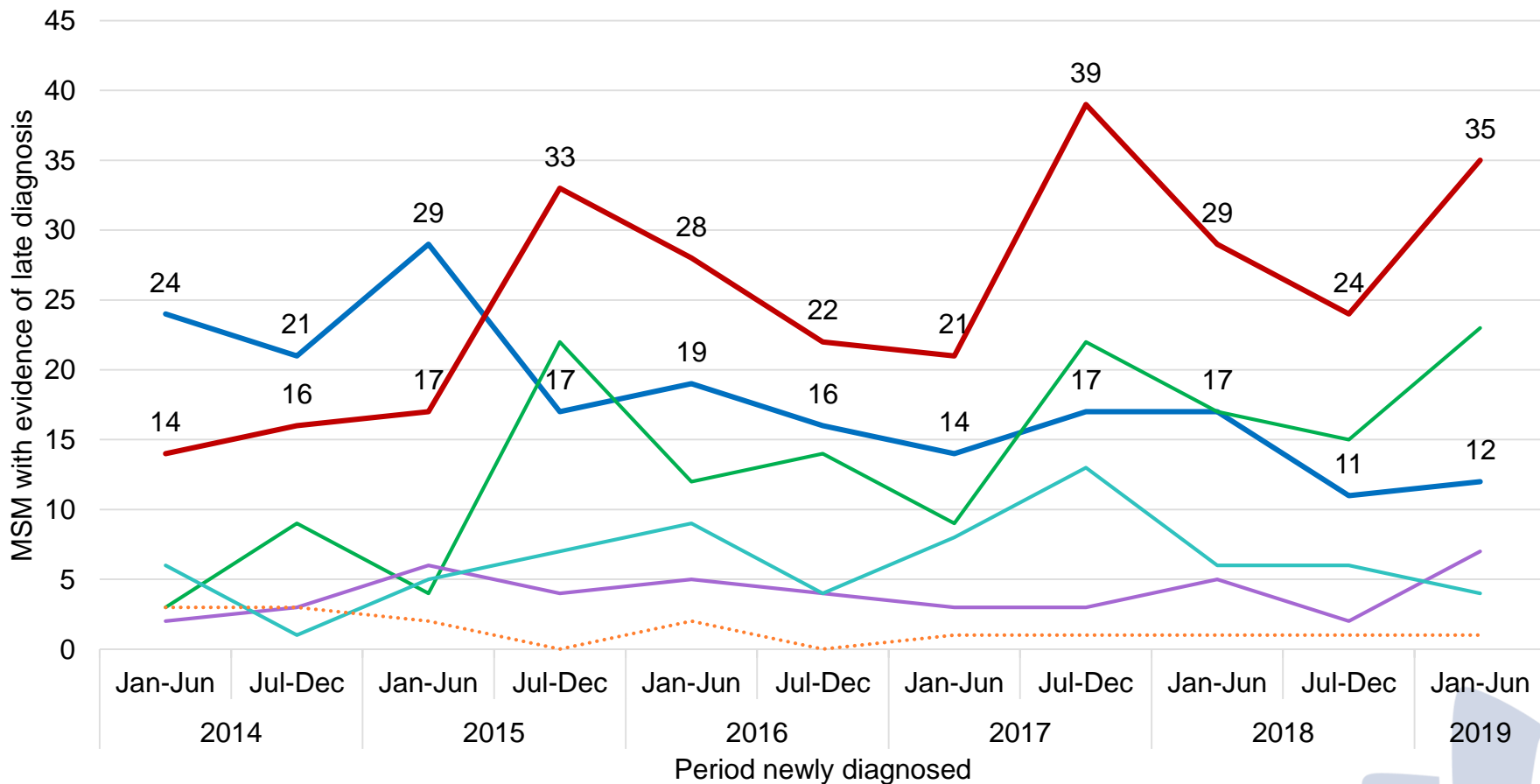
# Newly diagnosed MSM with evidence of early stage infection by area of residence and place of birth



# Newly diagnosed MSM with late stage infection by place of birth



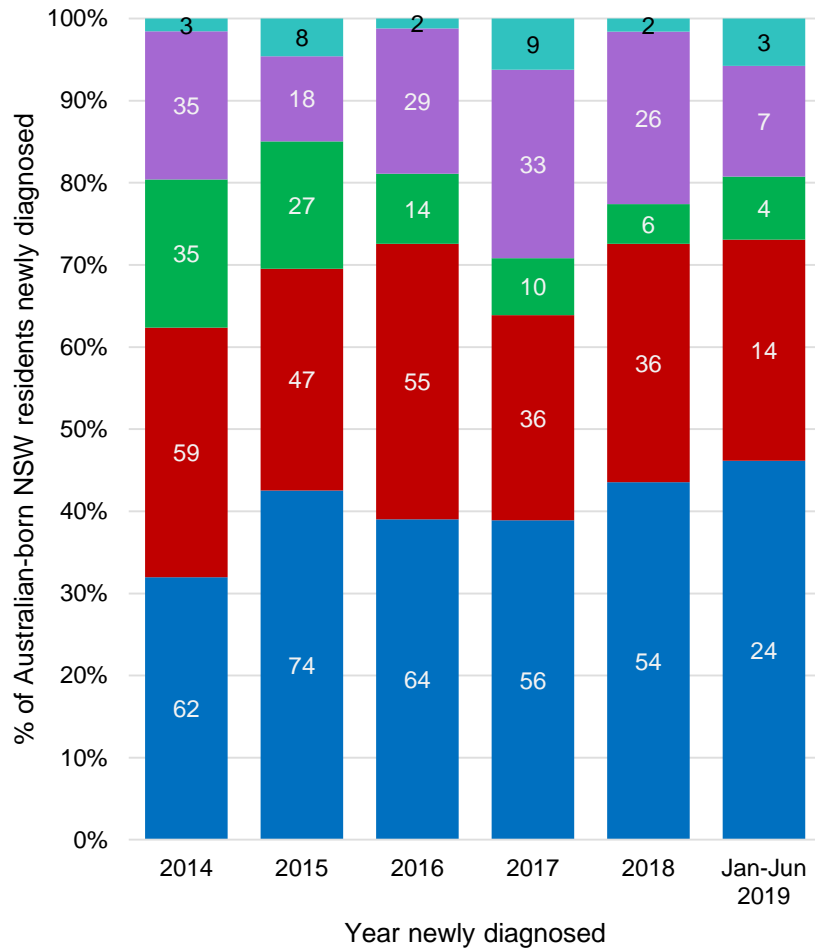
# Newly diagnosed MSM with late stage infection by place of birth and years living in Australia



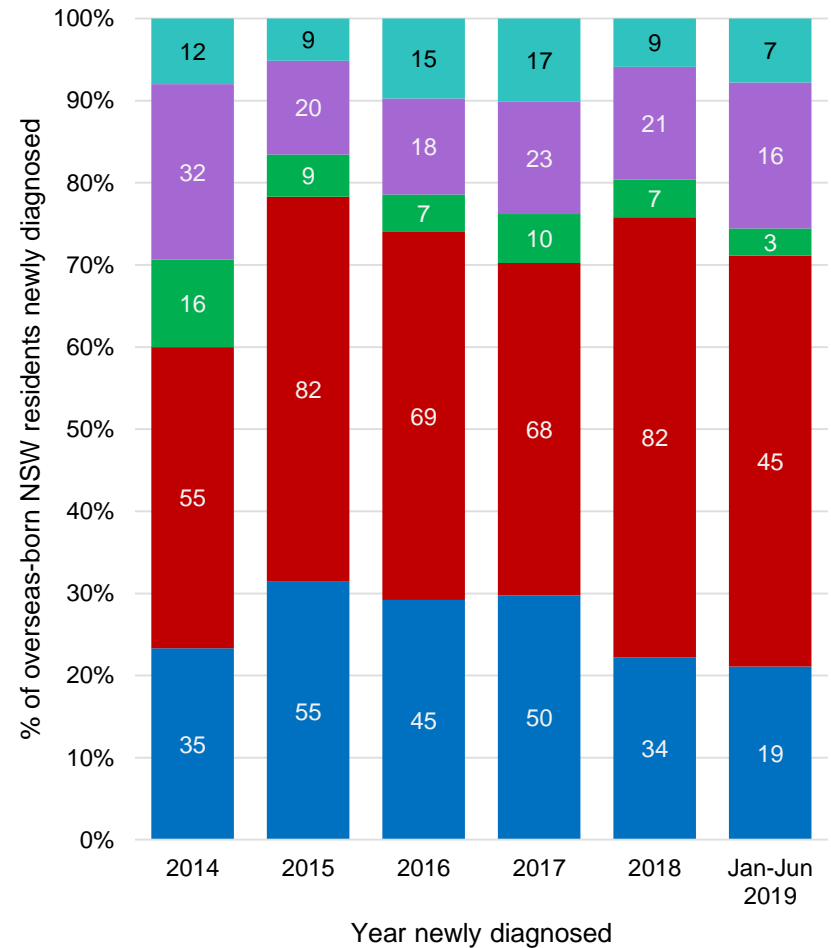
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# Type of diagnosing doctor for Australian and overseas born MSM

## Australian-born MSM

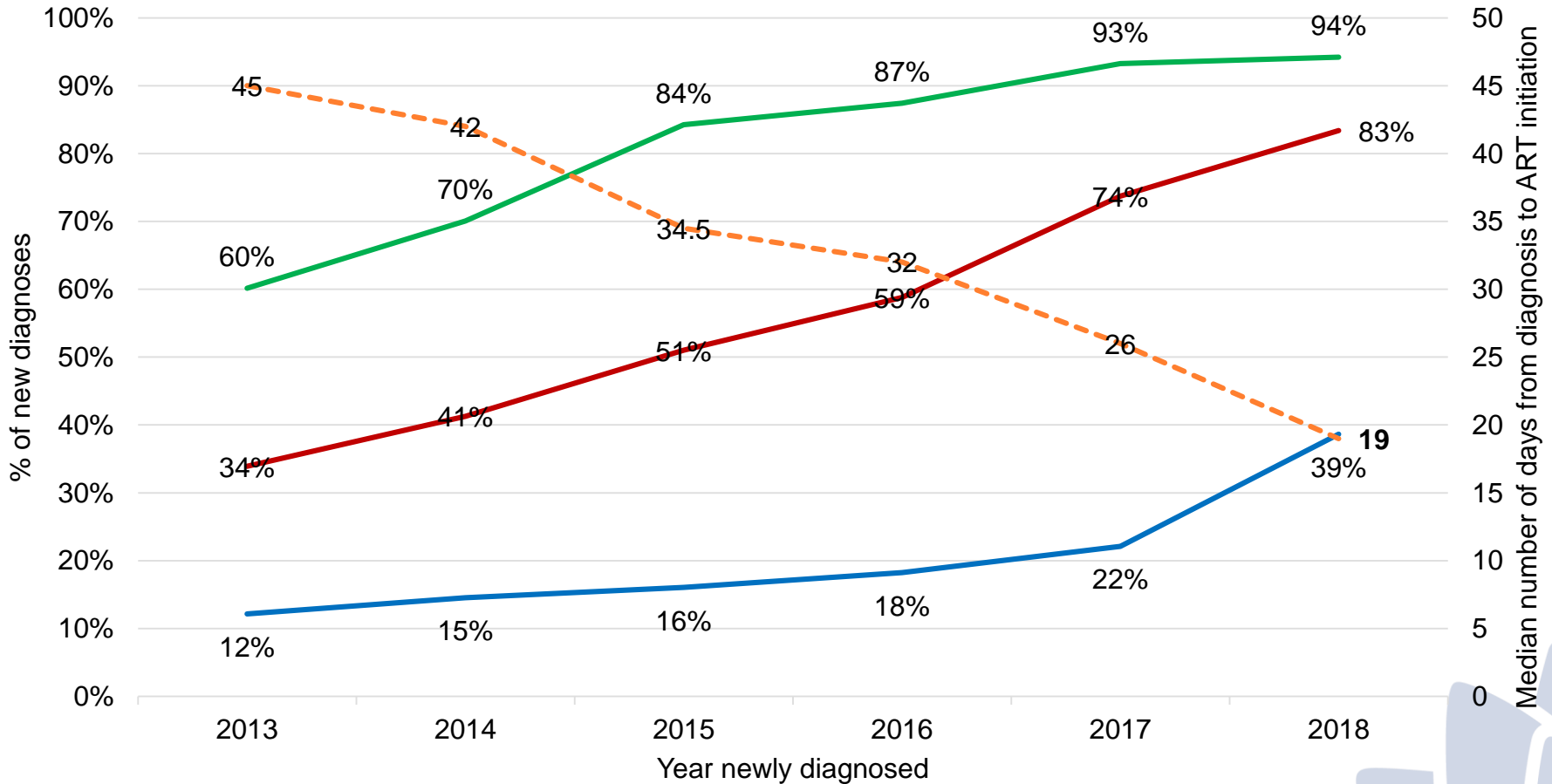


## Overseas-born MSM



■ GP not s100    
 ■ Sexual Health Clinic    
 ■ GP s100    
 ■ Hospital    
 ■ Other or unknown

# Time to ARV treatment initiation by six months post-diagnosis



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# Summary

- ▶ Reductions in overall notifications while testing remains high suggests **transmission in NSW has decreased**
- ▶ Diagnoses in early stage infection have fallen in both Australian and overseas-born MSM, though mostly in metropolitan Sydney
- ▶ Increases in notifications of overseas-born MSM driven by large increase in those with late stage infection, who have recently arrived in Australia
- ▶ Treatment coverage continues to improve, along with great reductions in time to treatment initiation





# Acknowledgements

- ▶ NSW Health HIV Surveillance Team
  - ▶ Steven Nigro
  - ▶ Kwendy Cavanagh
  - ▶ Vicki Bowden
- ▶ HIV screening and reference laboratories
- ▶ Clinicians
- ▶ NHMRC Partnership Project partners – Kirby Institute, Centre for Population Health, ACON, PosLife, ASHM

