

Background

Compliance with the recommendations can be assessed by evaluation of vaccine coverage (VC) in the population. The objective was to assess VC against diphtheria, tetanus, poliomyelitis, pertussis (dTP/aP), influenza, pneumococcal and shingles of adults aged 65 years and over. The second objective was to explore if vaccination status can be confirmed by documents (vaccination book or other).

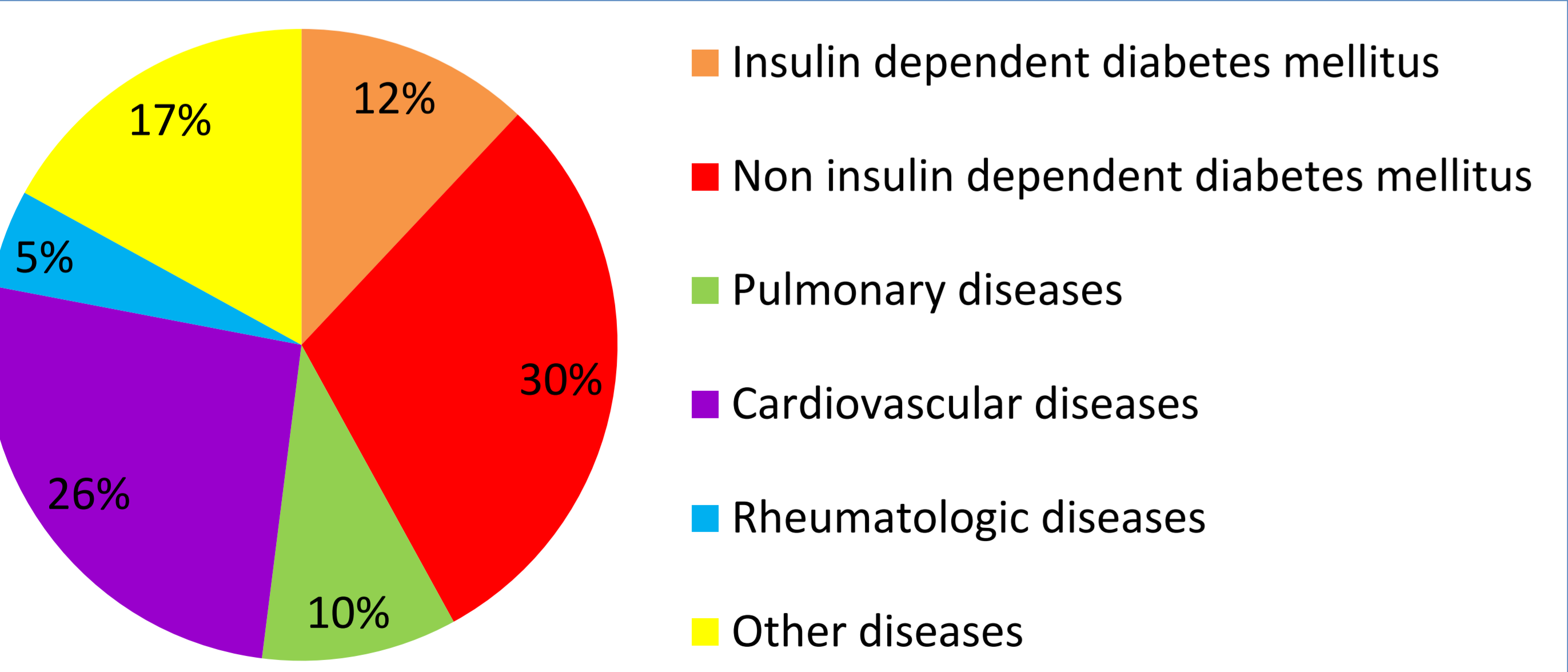
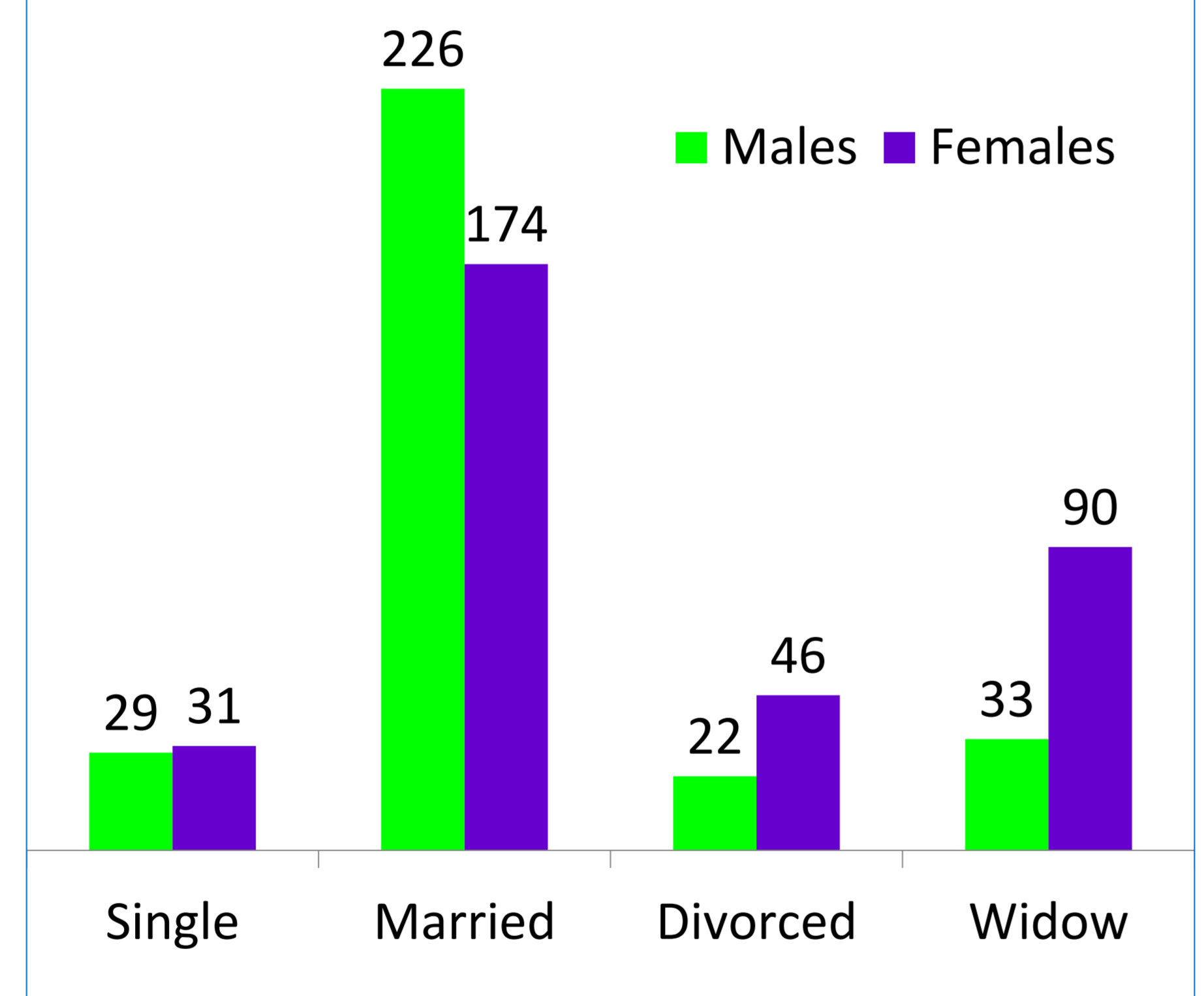
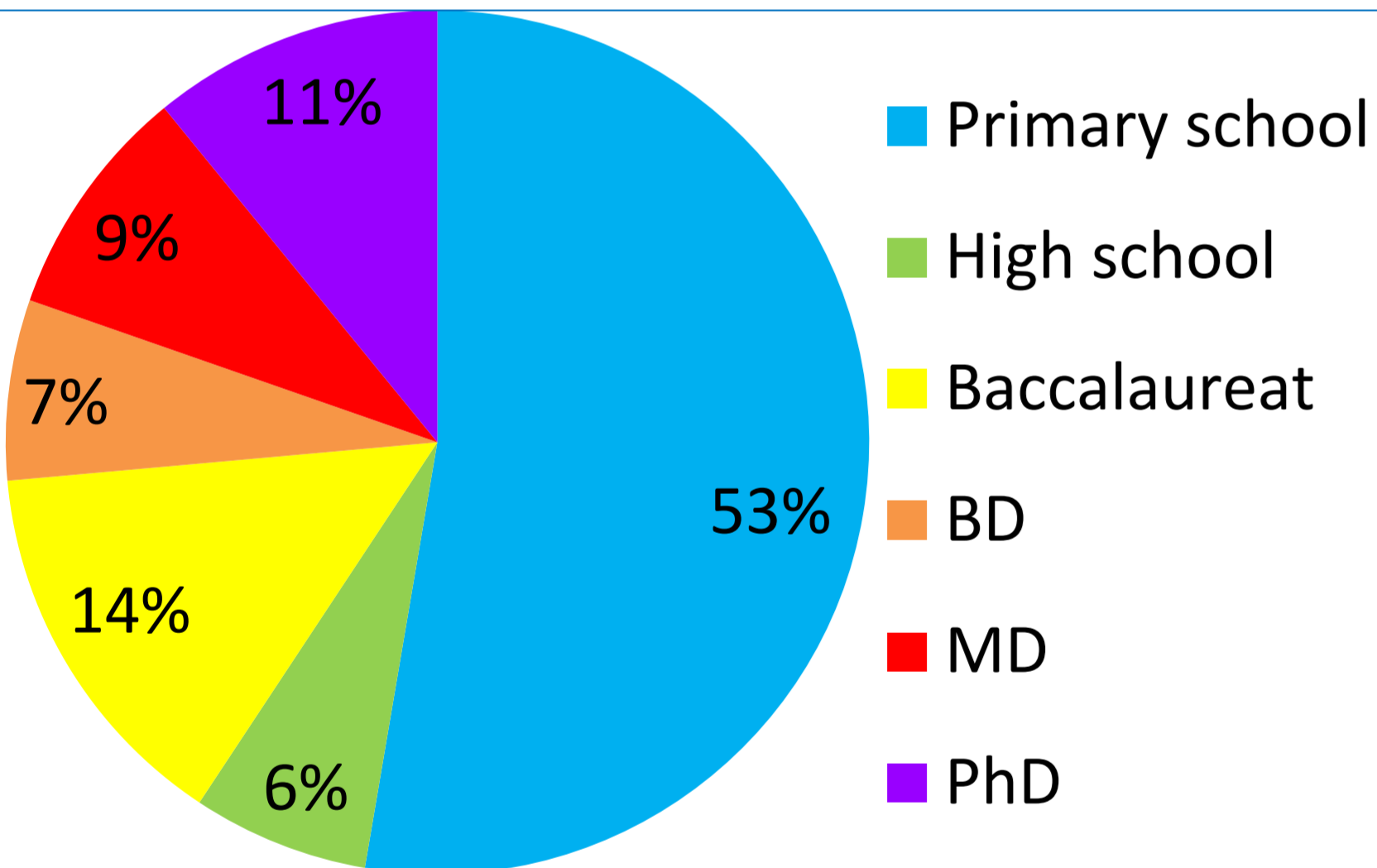
Methods

A cross-sectional study was conducted from January to April 2018 after agreement of the ethics Committees in 651 adults aged 65 years and over, consulting for biological examination in 13 private laboratories in Lyon (France). People were interviewed face-to-face to evaluate the VC for diphtheria, tetanus, poliomyelitis pertussis (DTaP-IPV) influenza, pneumococcal and shingles. Reported vaccinations were compared with documented, confirmed vaccinations.

Results

Description of the population

N = 651 participants
Sex ratio: 0,9
Mean age: 76 years (65-96 years)

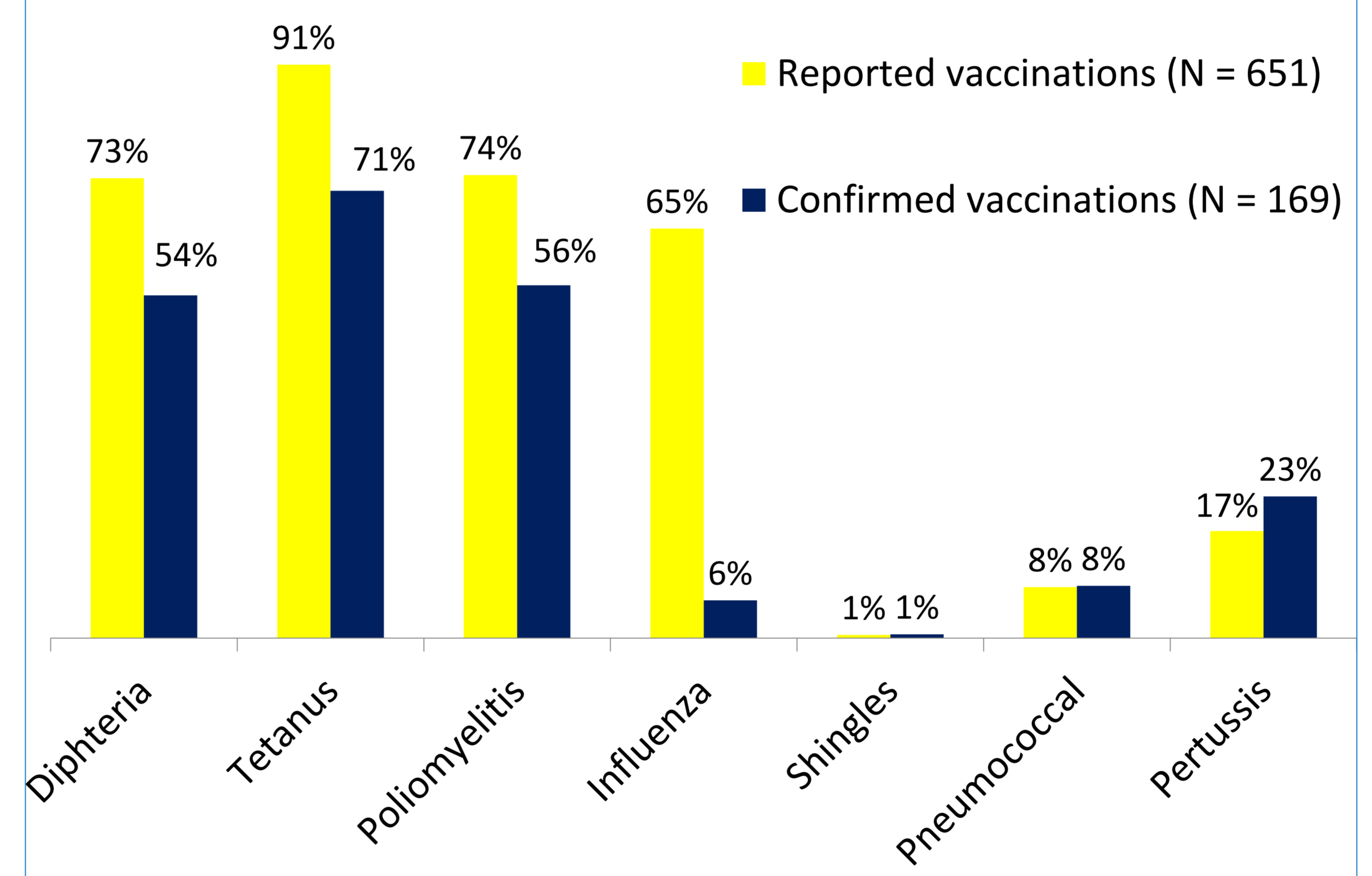


Do you have a chronic disease?
 217/651 have 1 or more

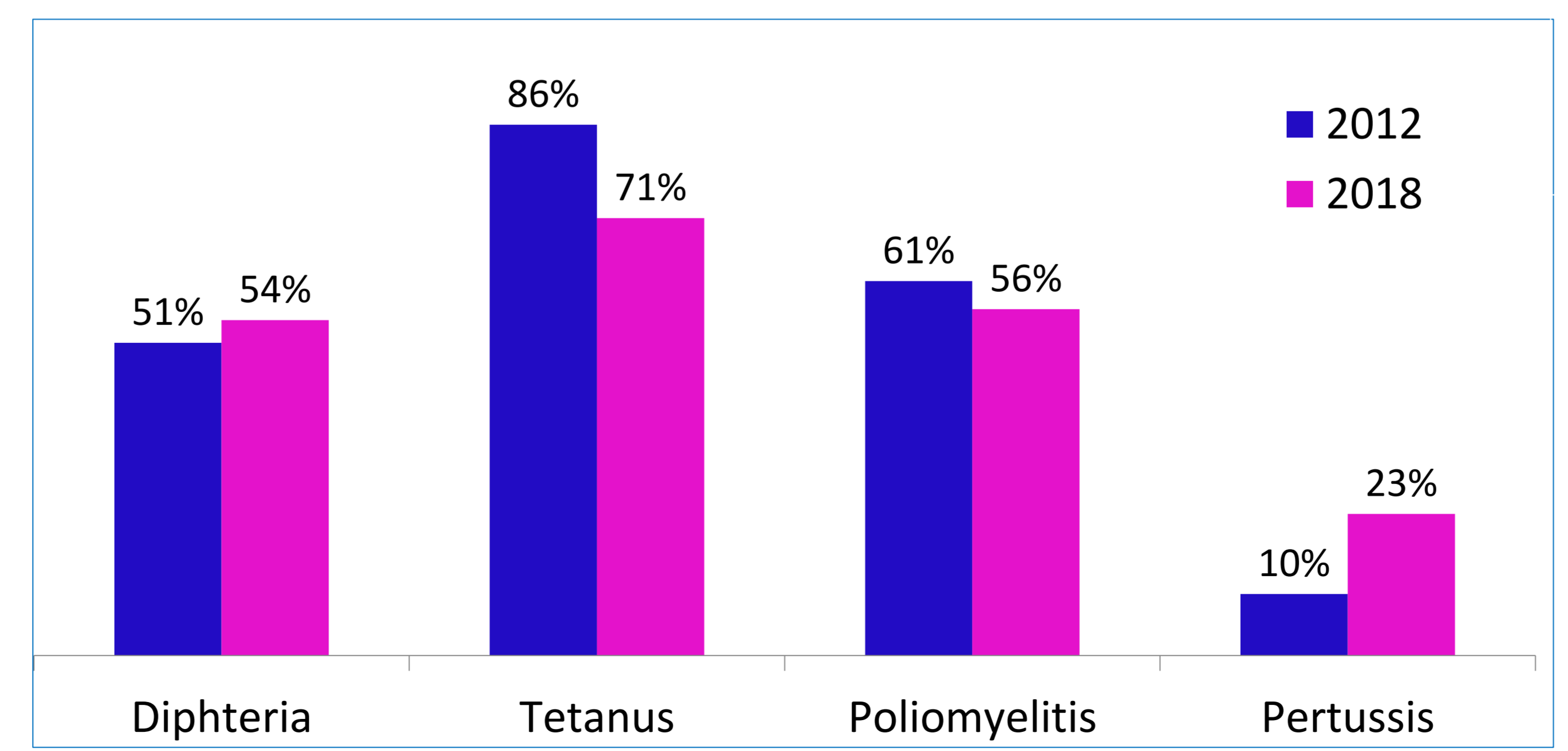
Acknowledgments

Laboratoire de Brignais Centre, Laboratoire Bron HDV, Laboratoire des Canuts, Laboratoire Charcot, Laboratoire Charcot-Point du jour, Laboratoire de Cusset, Laboratoire Décines-Grand Large, Laboratoire de Fontaines sur Saône, Laboratoire de La Pagère, Laboratoire Oullins-République, Laboratoire République, Laboratoire de la Sauvegarde, Laboratoire Villeurbanne Grattes Ciel. All laboratories are from Dyomédea group.

Vaccine coverage

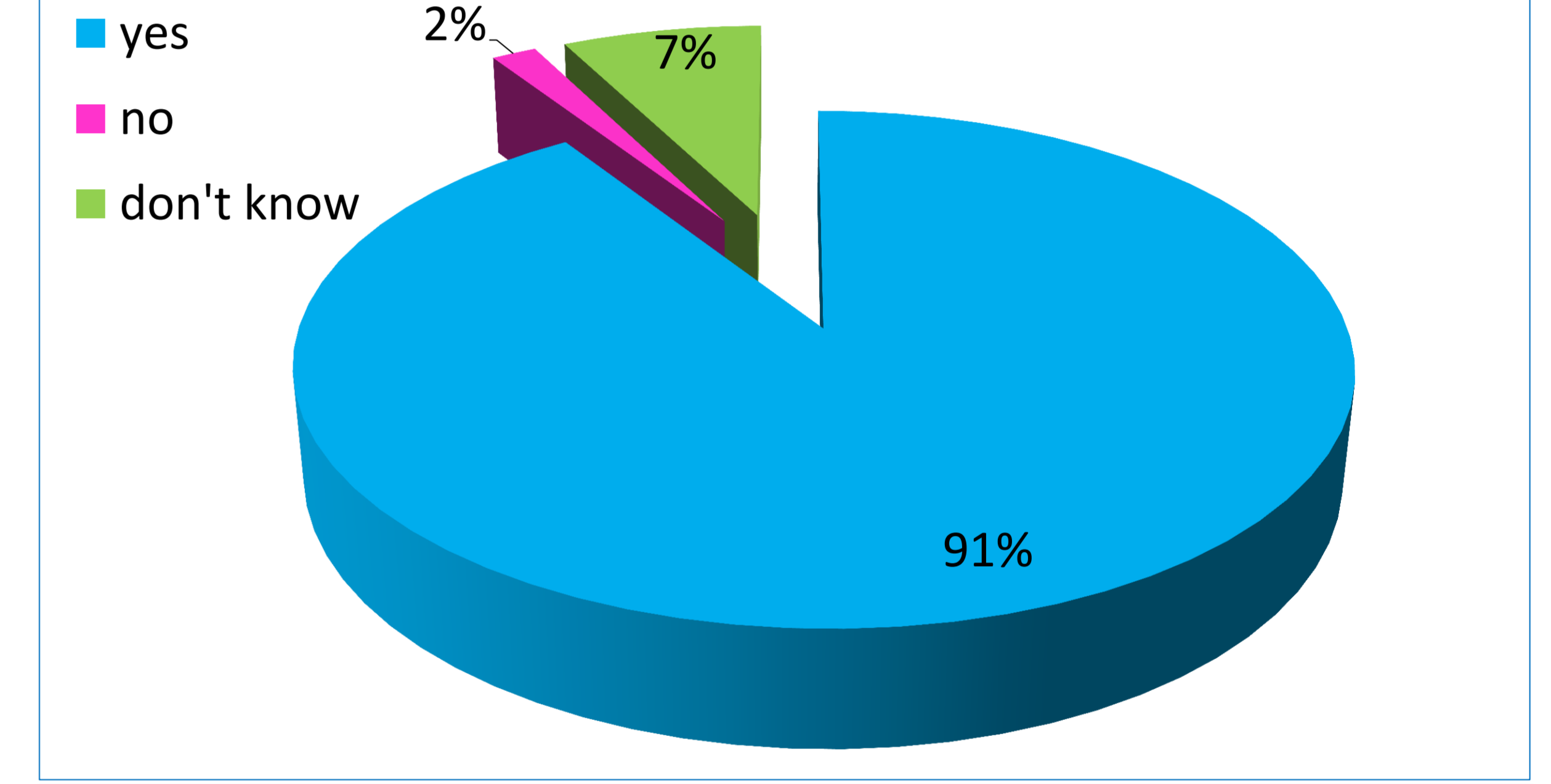


Comparison of reported and confirmed vaccinations

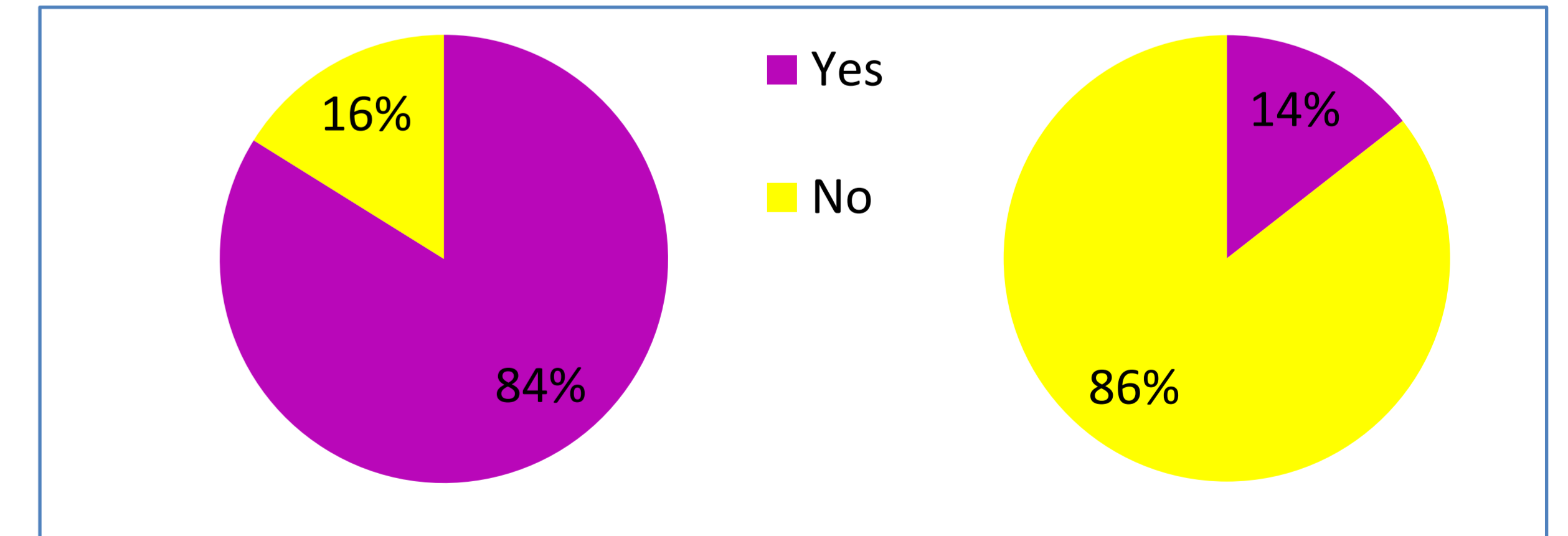


Comparison of VC between 2012 (1) and 2018

Perception of vaccination



Do you think vaccination is a good prevention tool?



Do you agree to be vaccinated?

Do you know the vaccine recommendations in France?

Discussion/Conclusion

The main interest of this study is the comparison of patient's reported data with data confirmed by documents. 26% of participants provided a vaccination document for verification. Overall vaccine coverage is still insufficient for recommended vaccinations. Health professionals need to check vaccination status in a documented way to update vaccinations according to recommendations and improve immunization coverage.

1. Baratin D, Del Signore C, Thierry J, Caulin E, Vanhems P. Evaluation of adult dTPaP vaccination coverage in France: experience in Lyon city, 2010-2011. BMC Public Health. 1 nov 2012;12:940.