

*TB situation in Norway, Sweden and
Finland
Barents TB Programme*

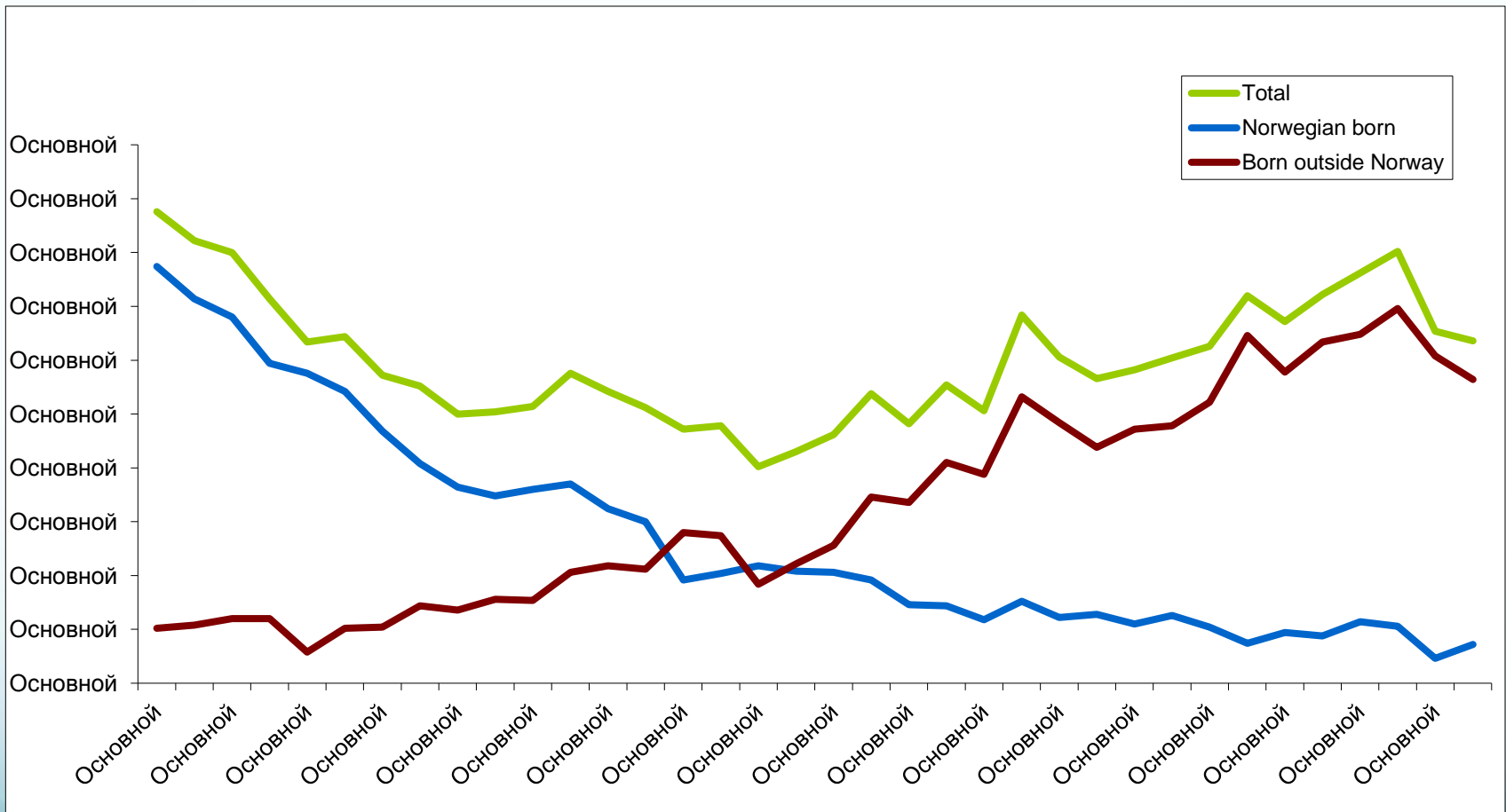
**23rd Meeting of the Joint Working Group
on Health and Related Social Issues
(JWGHS)**

Solovki, 6 October, 2016

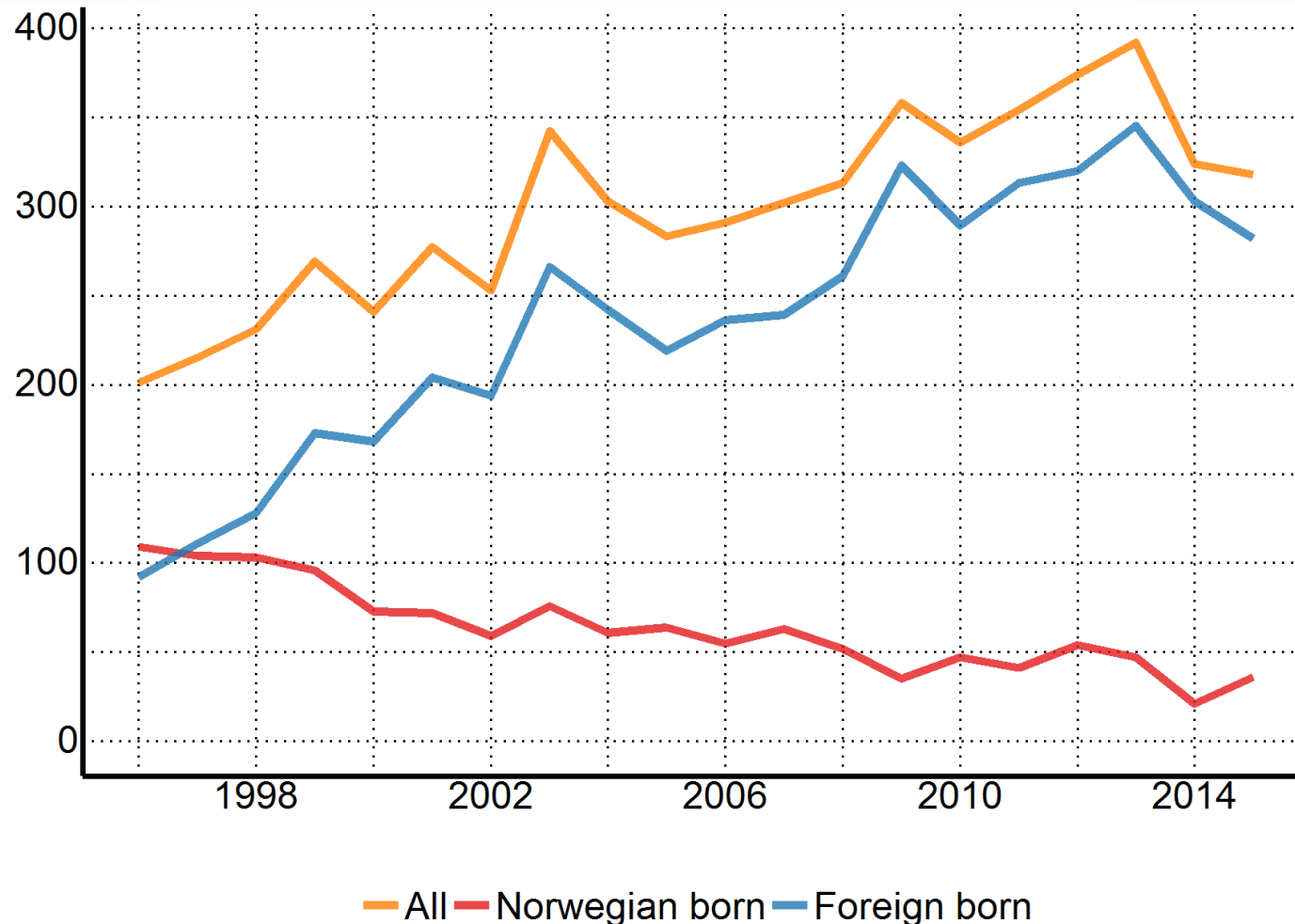
Dr.Zaza Tsereteli

Barents TB Programme Coordinator

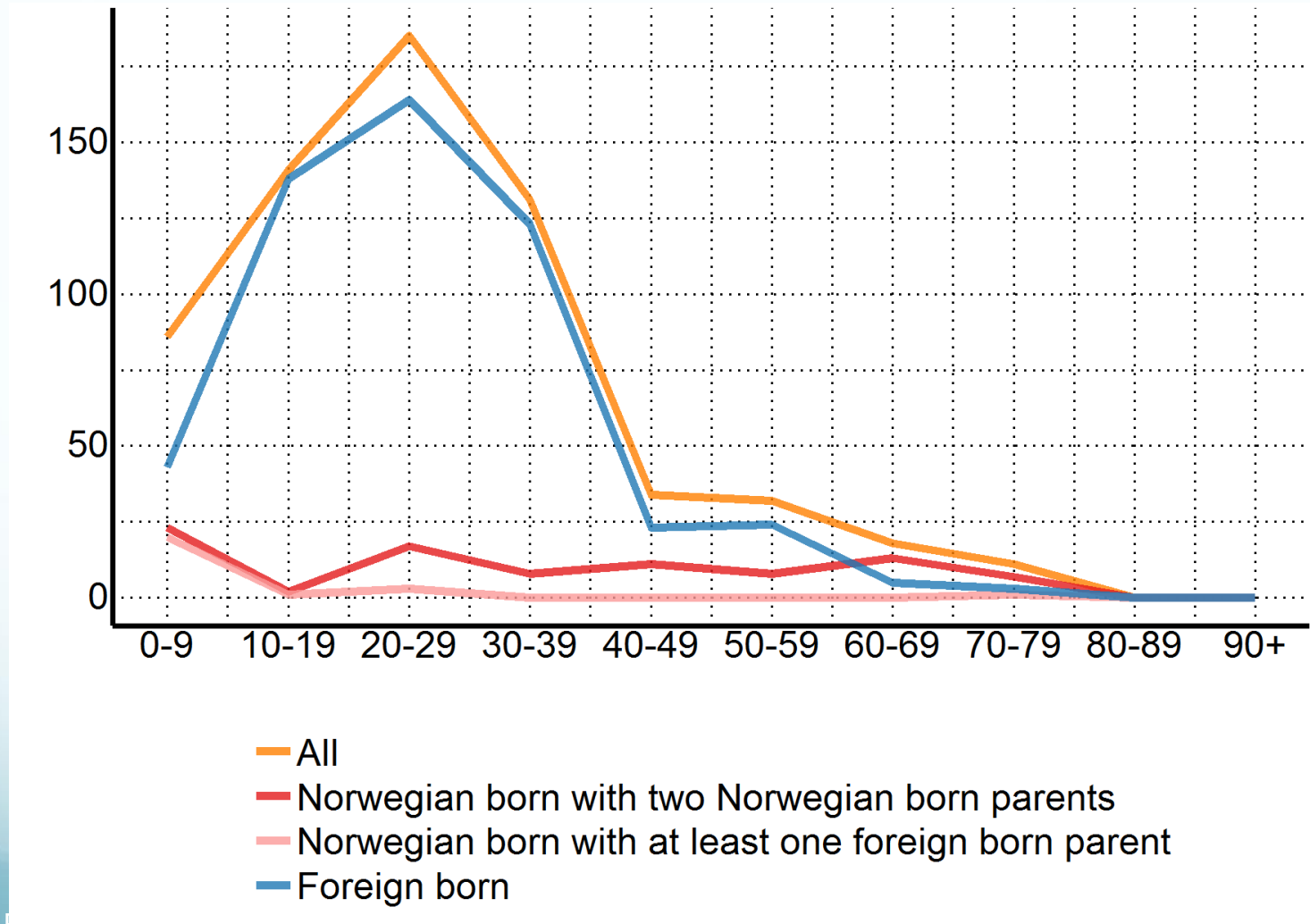
TB cases notified to MSIS (Norwegian Surveillance System for Communicable Diseases) by origin (Norway)



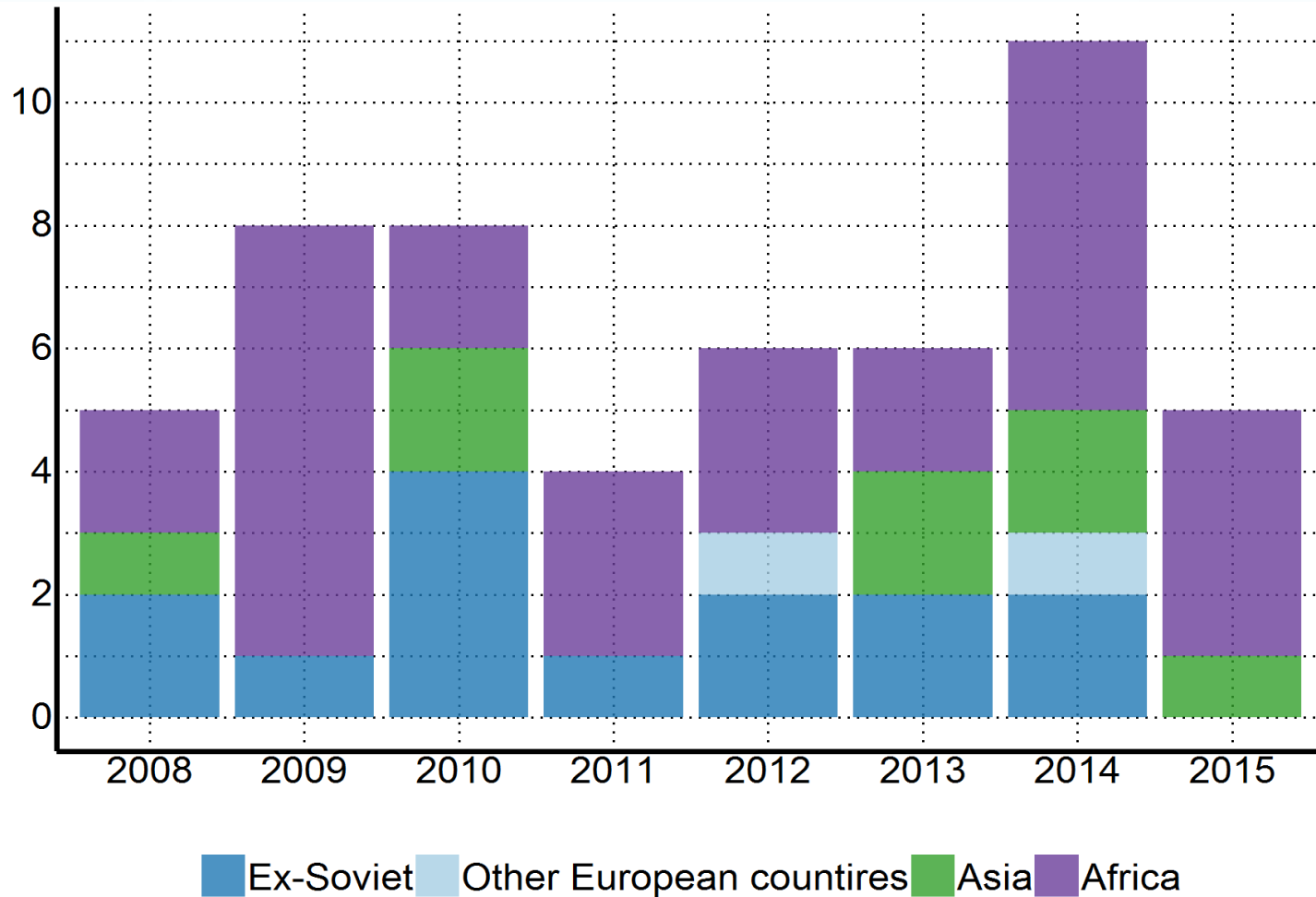
TB cases 1996- 2015 by origin



TB notified MSIS 2015 by origin at birth and 10 yrs age groups (Norway)

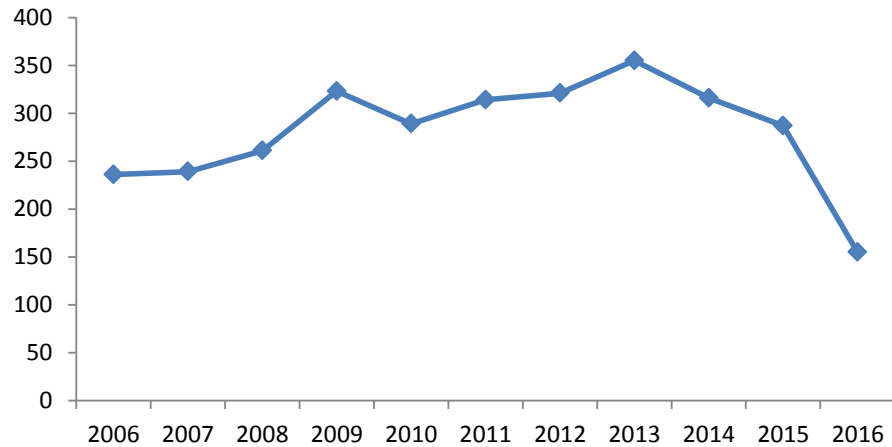


MDR TB incident cases 2008-2015 by origin (Norway)

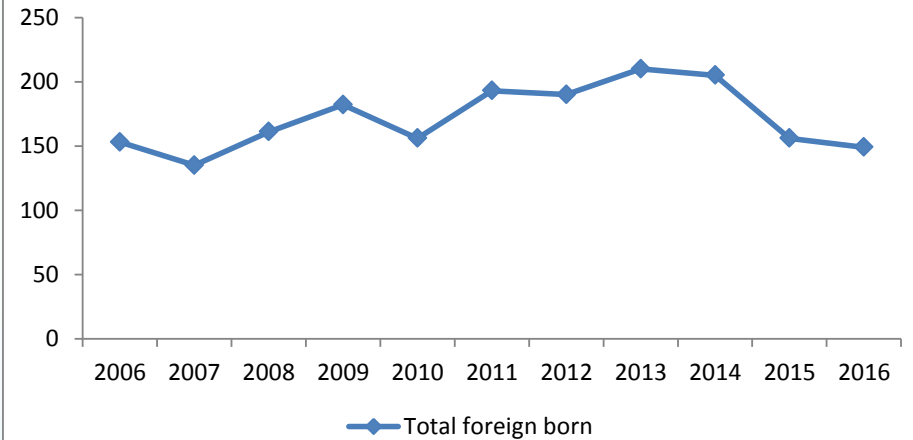


2015 asylum seekers- effect on TB epidemiology

Total active TB 2006- 2016



Total foreign born as per 0108



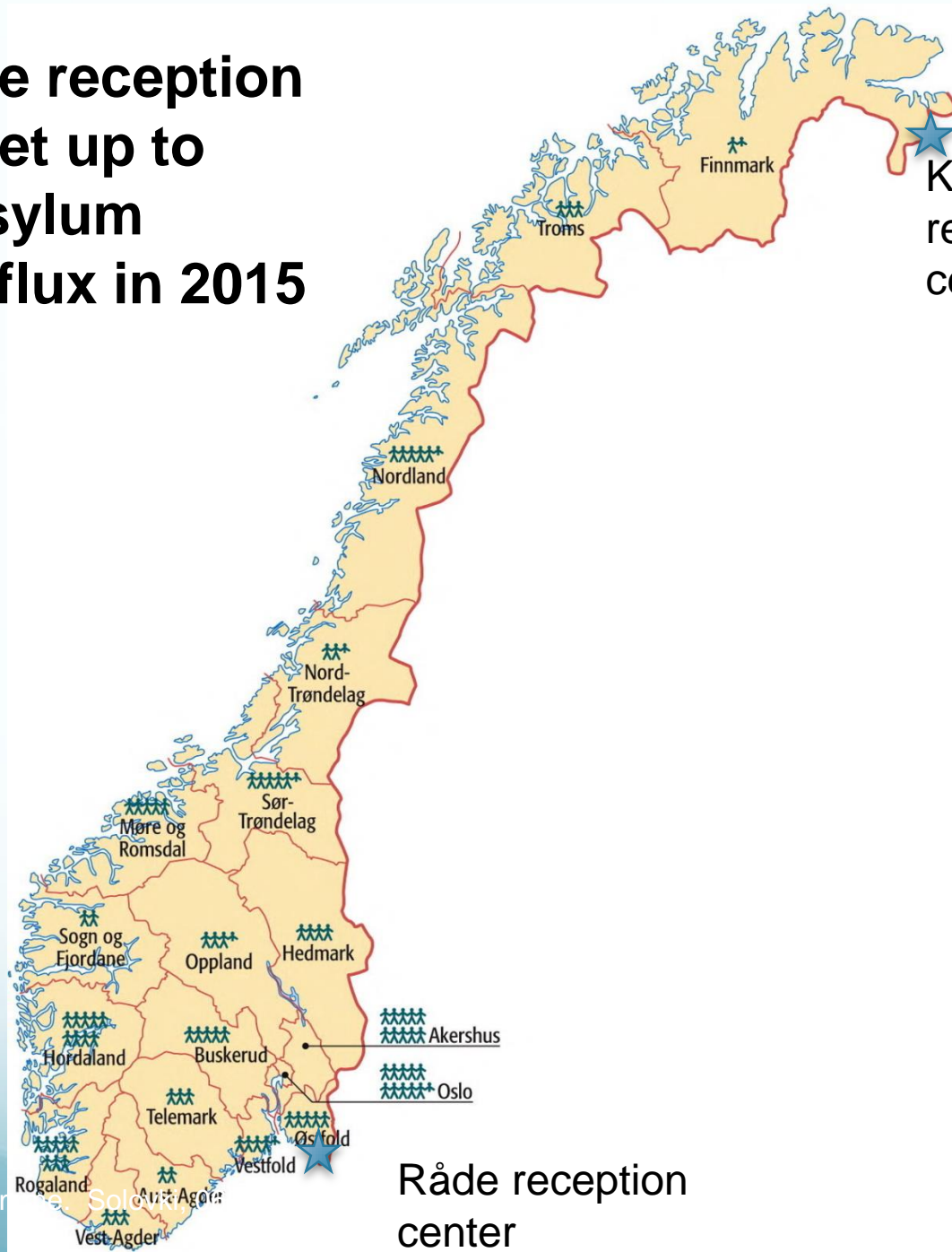
Active TB cases per year

Active TB cases per 1. aug every year 2006-2016

The new advices for asylum seekers and refugees (Norway)

- Asylum seekers from countries with IR > 40/ 100' will be screened with CXR at reception, and within 14 days If CXR is taken and is normal, IGRA may be postponed for up to 3 months .
- It is no longer necessary to screen asylum seekers and refugees from low incidence countries (IR<14/100') for LTBI (IGRA). This means It is not necessary to screen asylum seekers from Syria and Iran, as WHO has estimated a rather low incidence rate for these countries (This may be wrong, we find a higher incidence rate than WHO's estimates
- Children < 15 yrs could be tested with IGRA, or MTX skin test followed by IGRA if positive, or CXR. If tested with CXR only, testing for LTBI should follow within 3 months

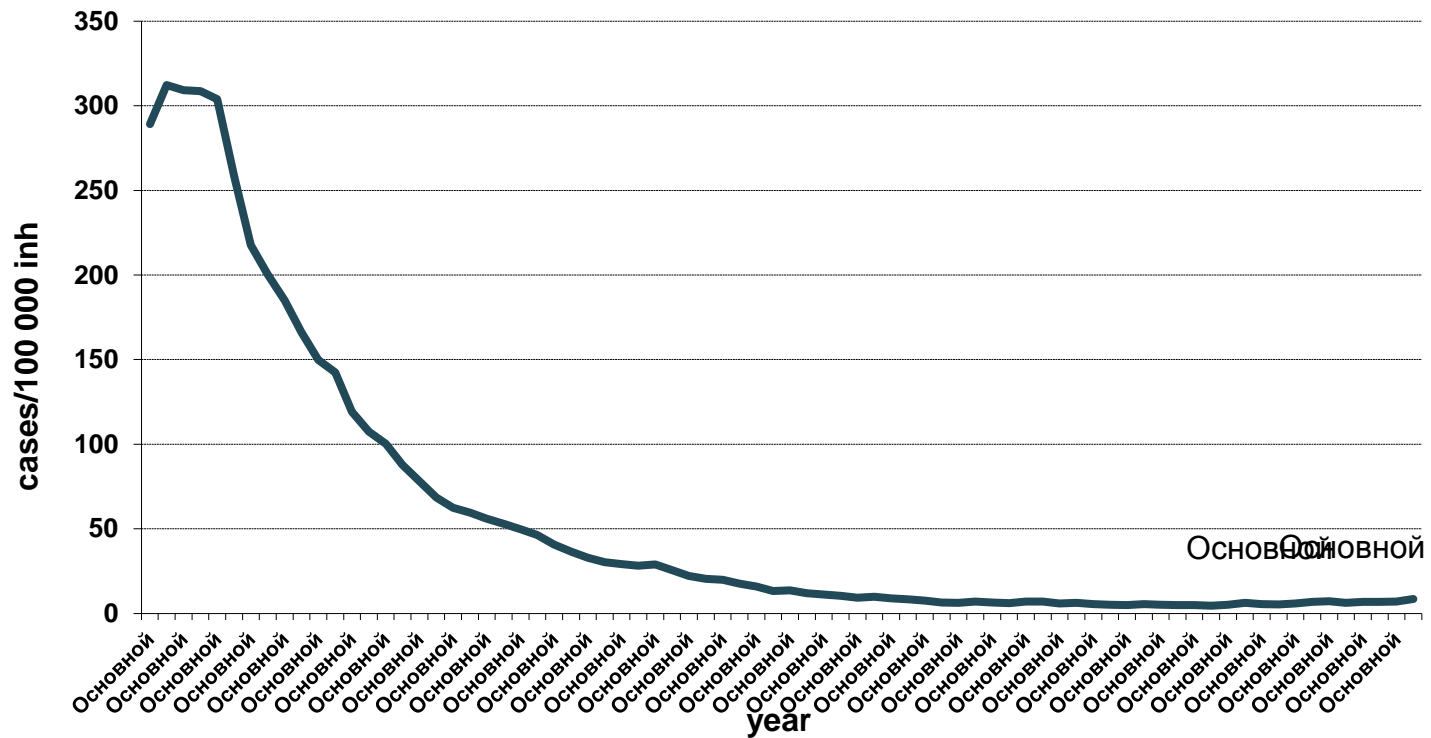
New acute reception centers set up to handle asylum seeker influx in 2015



Mandatory to report (Sweden)

- ✓ Reportable diagnosis to both regional and national level, on-line system
- ✓ Mandatory to report for both treating physician and laboratory
- ✓ Mandatory to perform contact tracing
- ✓ Obligatory for patient to follow restrictions from physicians to avoid further spread
- ✓ Obligatory for patient to co-operate in contact tracing

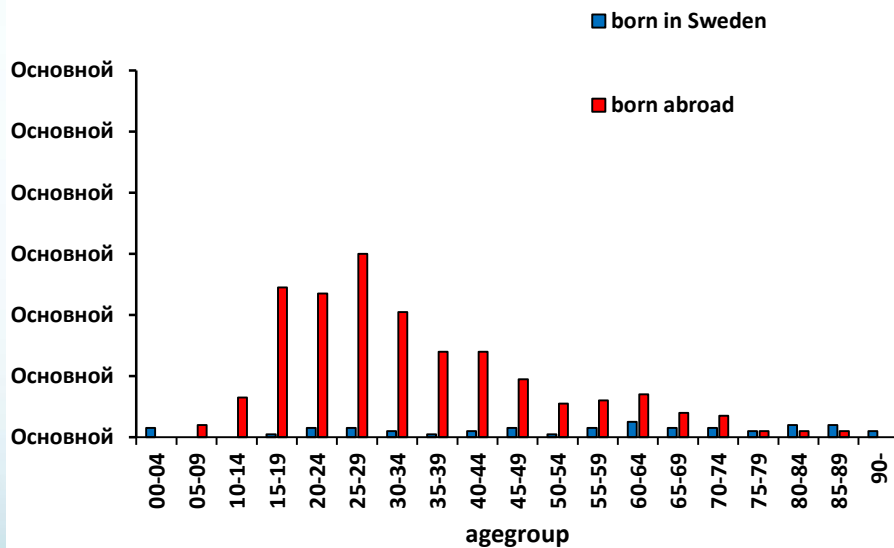
TB-incidence in Sweden 1940-2015



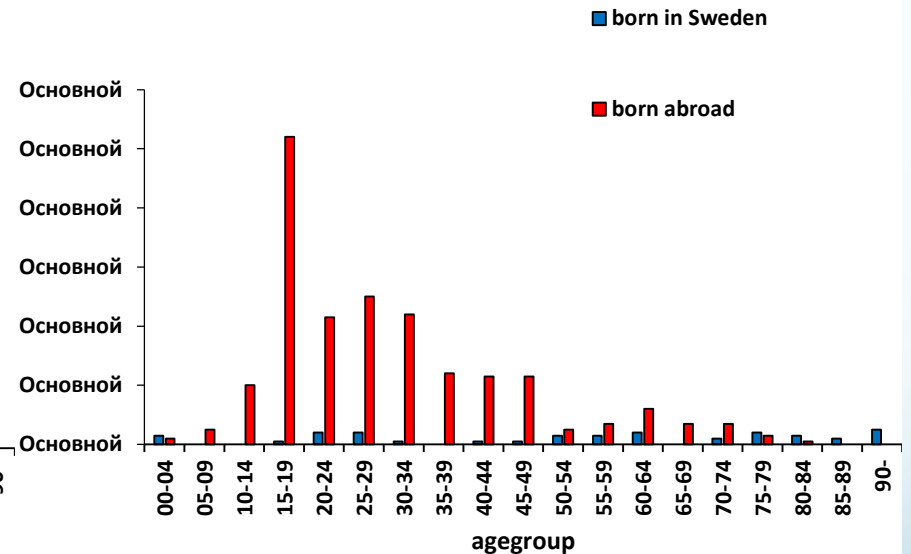
TB-cases in Sweden

Jan-Jun 2015 compared to Jan-Jun 2016

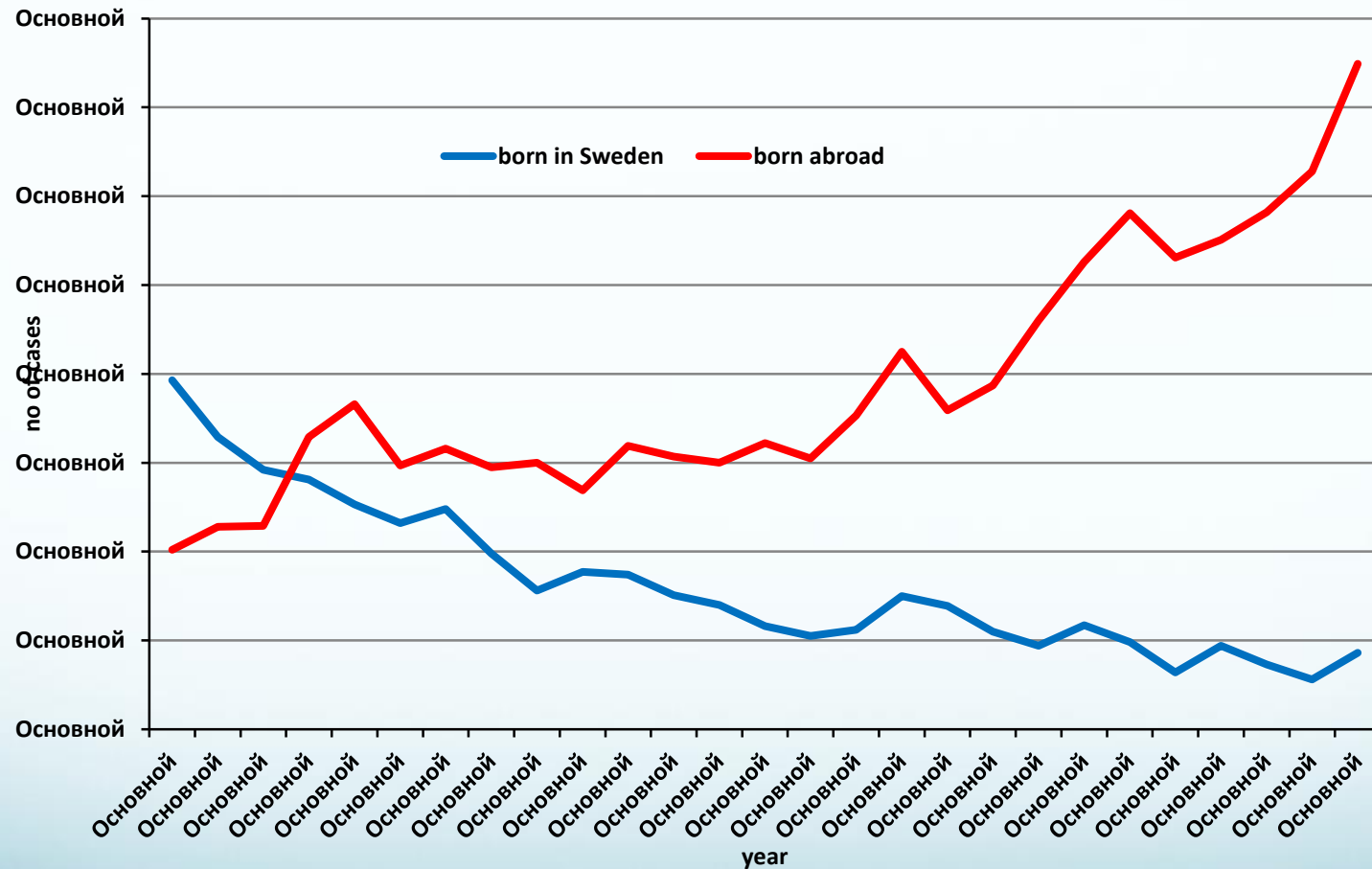
TB-cases in Sweden Jan-Jun 2015 by agegroup and country of birth (n=392)



TB-cases in Sweden Jan-Jun 2016 by agegroup and country of birth (n=421)

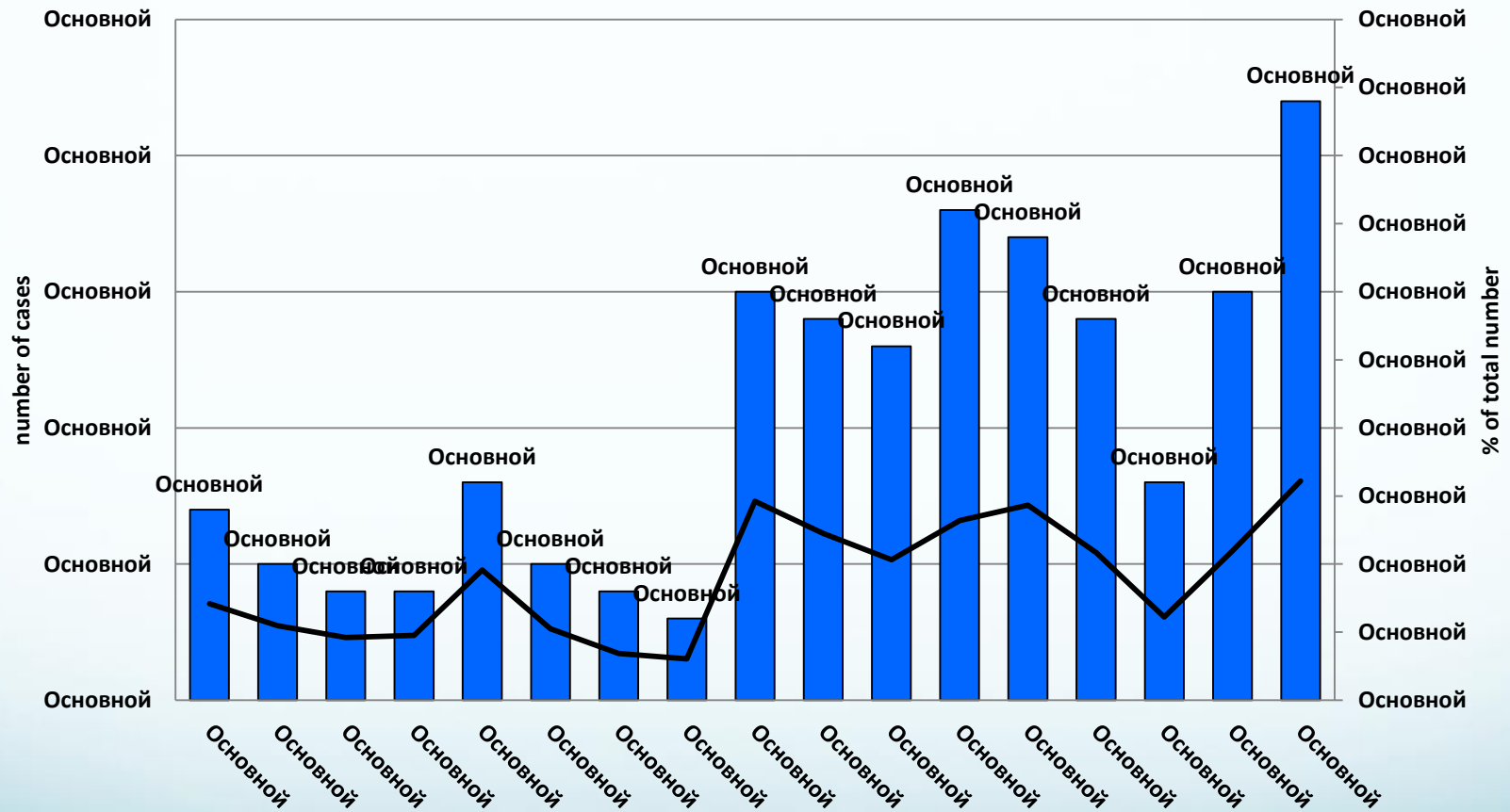


TB-cases in Sweden 1989-2015 by country of birth

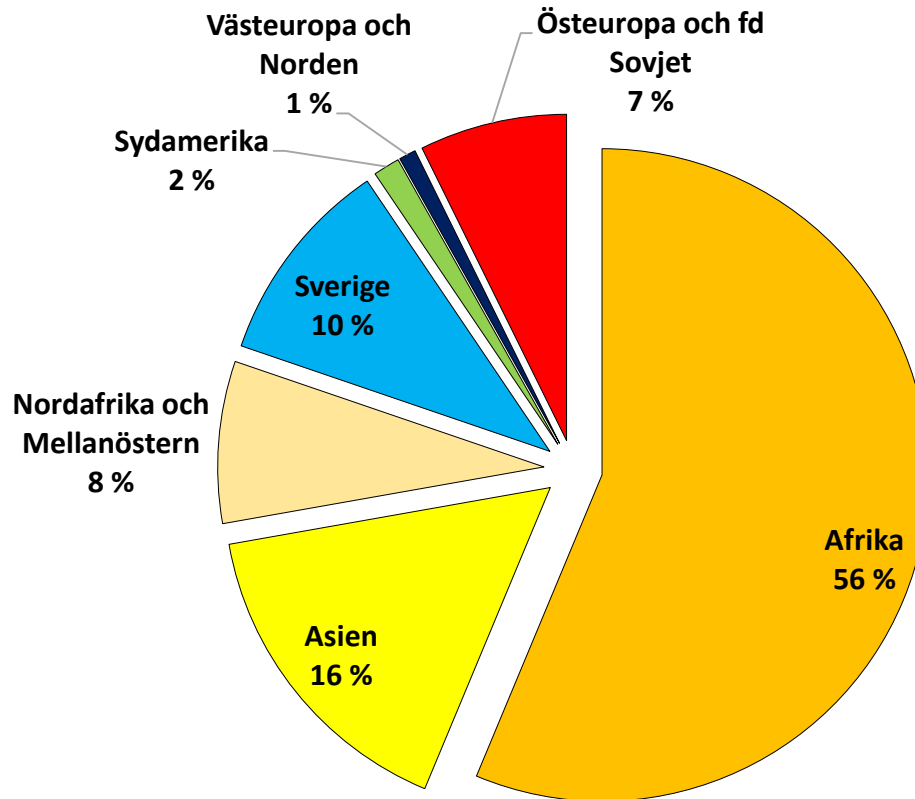


MDR-TB-cases in Sweden 1999-2015

per year and percentage of total number of cases



TB-cases in Sweden 2015 per region of origin (n=835)



Finland

In 2015 Finland, like most of the European countries, received a record amount of asylum seekers. In total 32 476 were registered in 2015, while the number has been around 3 500 asylum seekers per year during the previous years.

In 2015 we registered in total 271 TB cases (incidence 5,0/100 000), which was 11 cases more than in 2014

The foreign born cases are typically among younger age groups than cases of Finnish origin. The official register of infectious diseases does not include the status of these cases (asylum seeker &c.). However 32 cases were detected among persons without a proper ID number, among these cases there are probably also asylum seekers