

ICS TB Working Group meeting

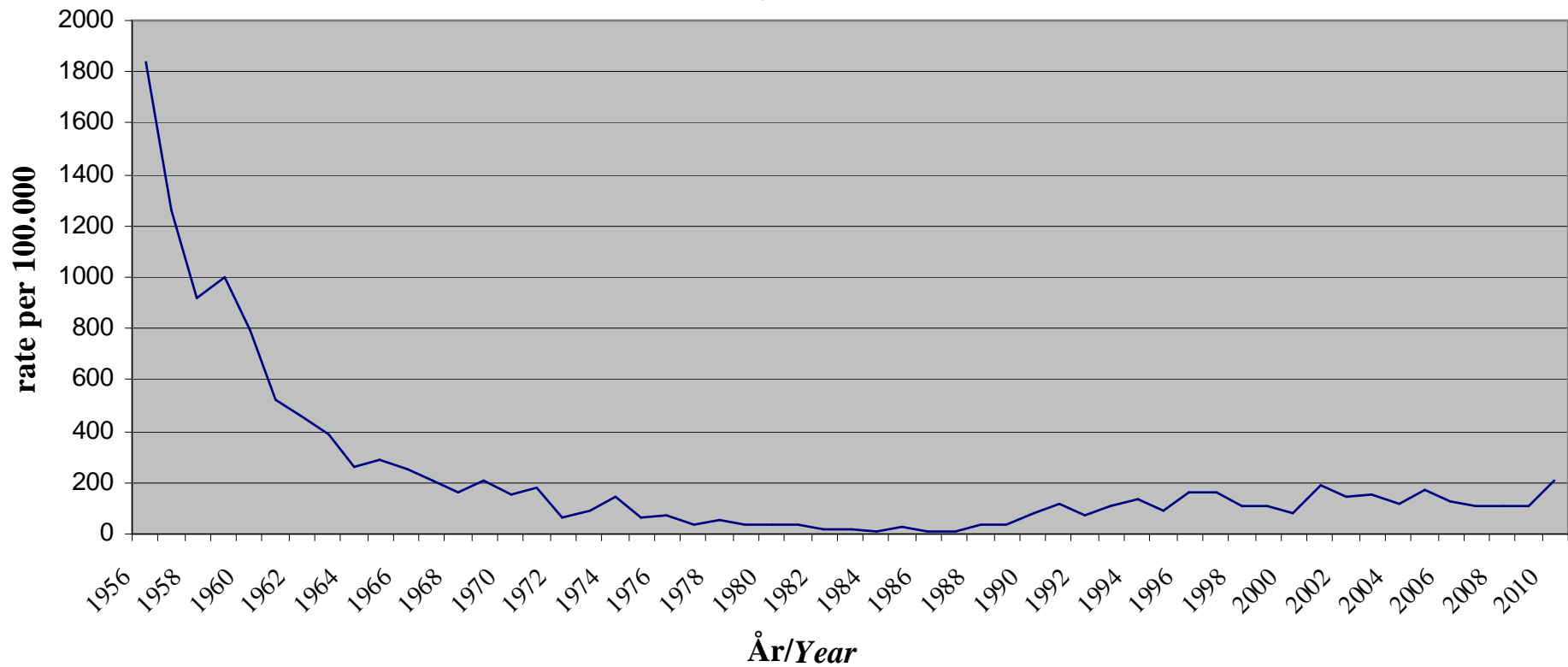
Copenhagen

September 22, 2011

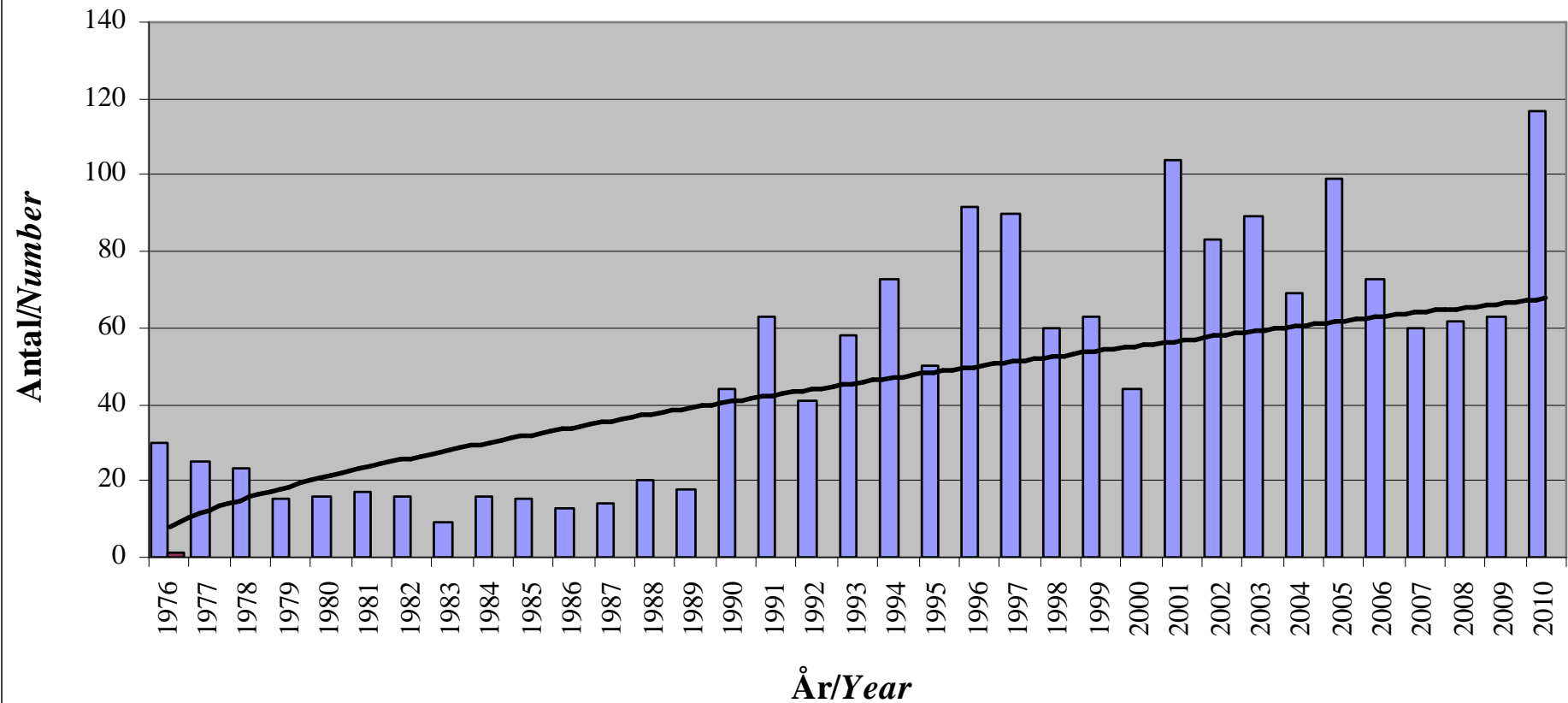


A Country update from Greenland

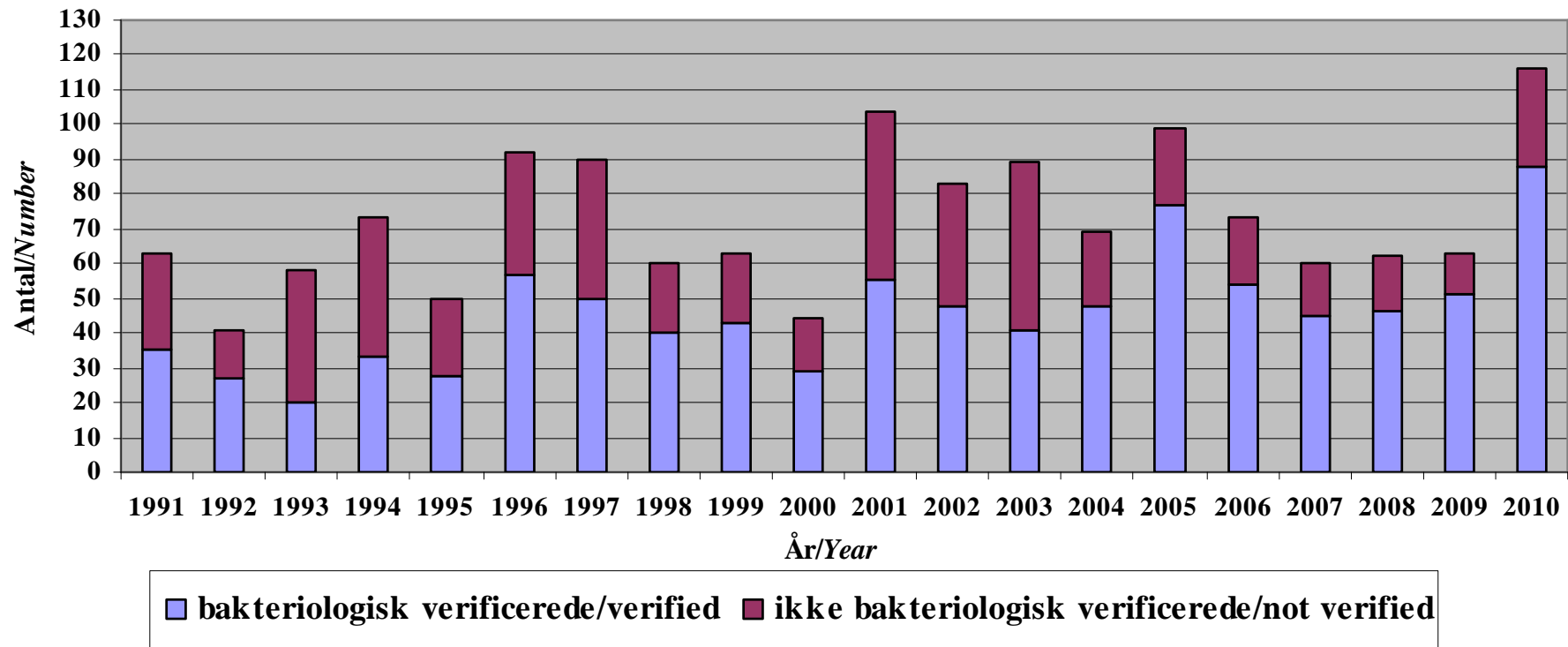
Tuberkulose incidens
1956 - 2010
Incidence of tuberculosis



Anmeldte Tuberkulose tilfælde i Grønland 1976 - 2010 *Notified cases of tuberculosis*



Bakteriologisk verificerede Tuberkulose tilfælde 1991 - 2010 *Culture verified cases of tuberculosis*



2010: 40.5% smear positive

Incidence/100.000 over 3 years



First case of MDR-TB in Greenland

35 year old male from Uummannaq

Treated for drug sensitive TB in 2005

-Did not complete treatment

Treated for INH sensitive TB in 2007

-Did not complete treatment

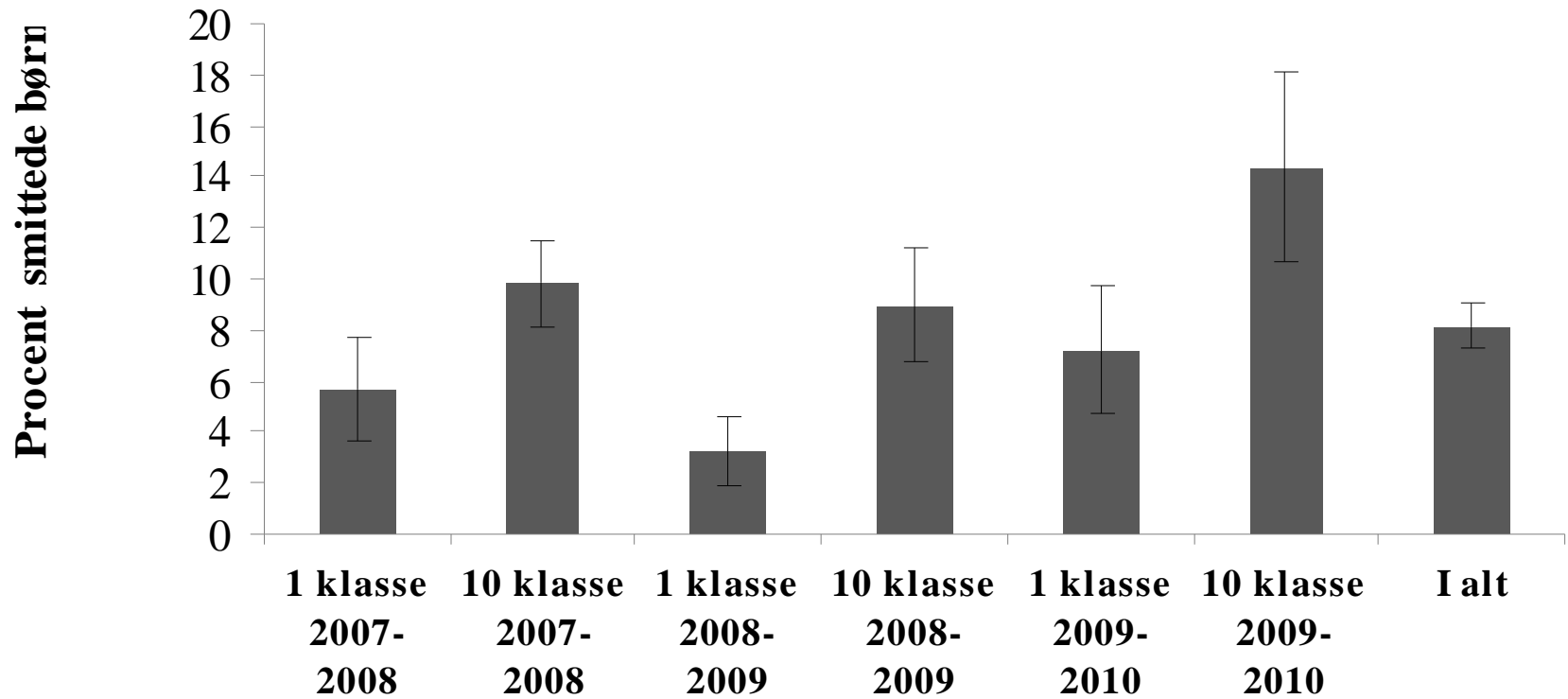
2010: INH and Rifampin resistant TB

National TB Strategy 2007-2012

- Public awareness campaign
 - Teaching material for healthcare workers
 - Replace tuberculin skin test with IGRA
 - Regional TB-nurse in south Greenland
 - X-ray screening the population of south Greenland every 2 years
 - Screening all school children in the start and end of public school
- * *A regional TB-nurse was implemented in eastern Greenland in september 2010*

Procent smittede børn

"error bars" viser 95 % konfidensinterval



Evaluation of the school screening

- The screening was not a useful tool to identify cases of active TB
- Even if all latent TB cases in the 1st and 10th grade were identified and treated with INH, the effect on the national incidence of active TB would be minimal.

X-ray screening of southern Greenland 2008

2622 pictures taken → 10 cases of TB
(46% of target group)

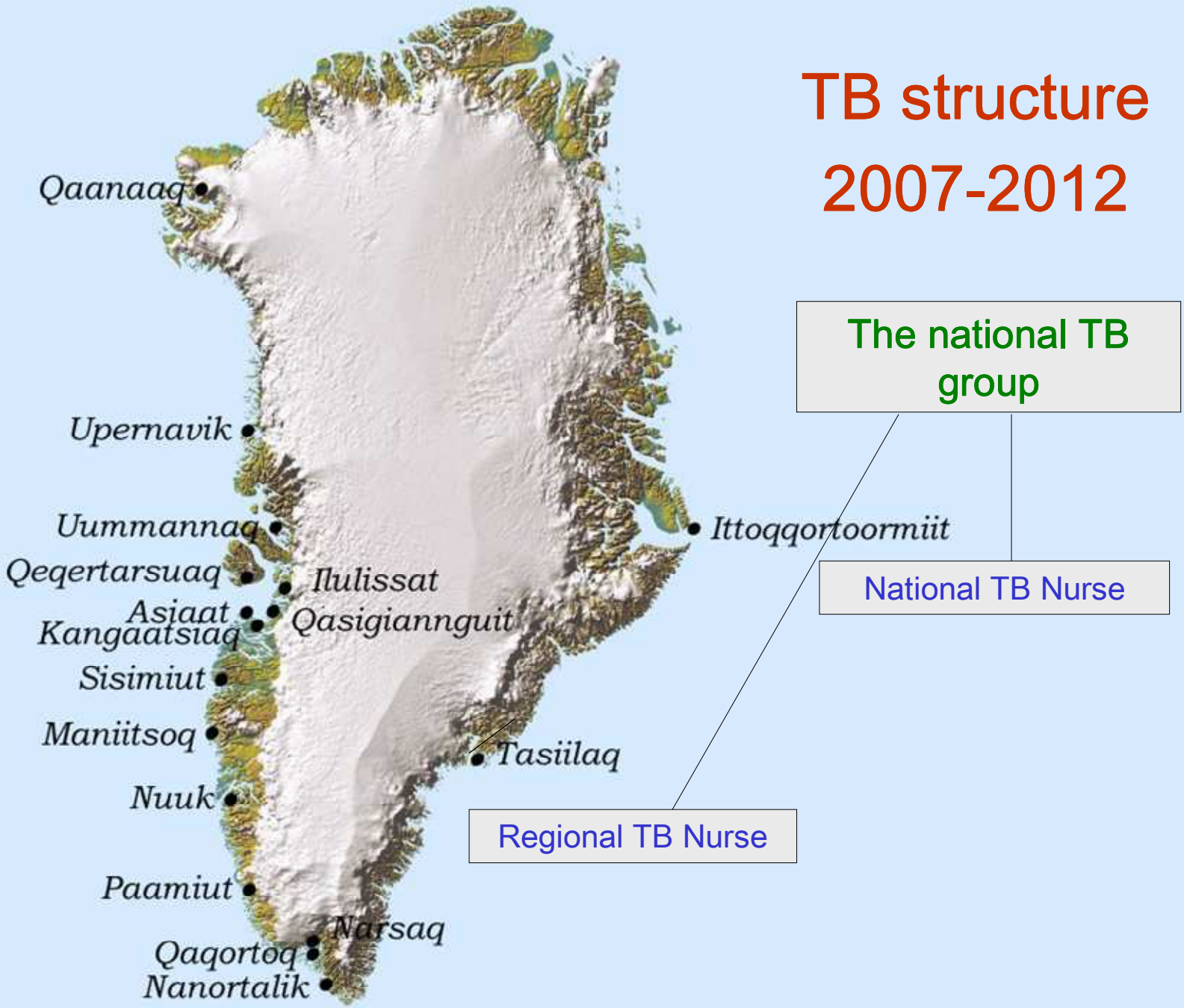
X-ray screening of southern Greenland 2010

3580 pictures taken → 9 cases of TB
(63% of target group)

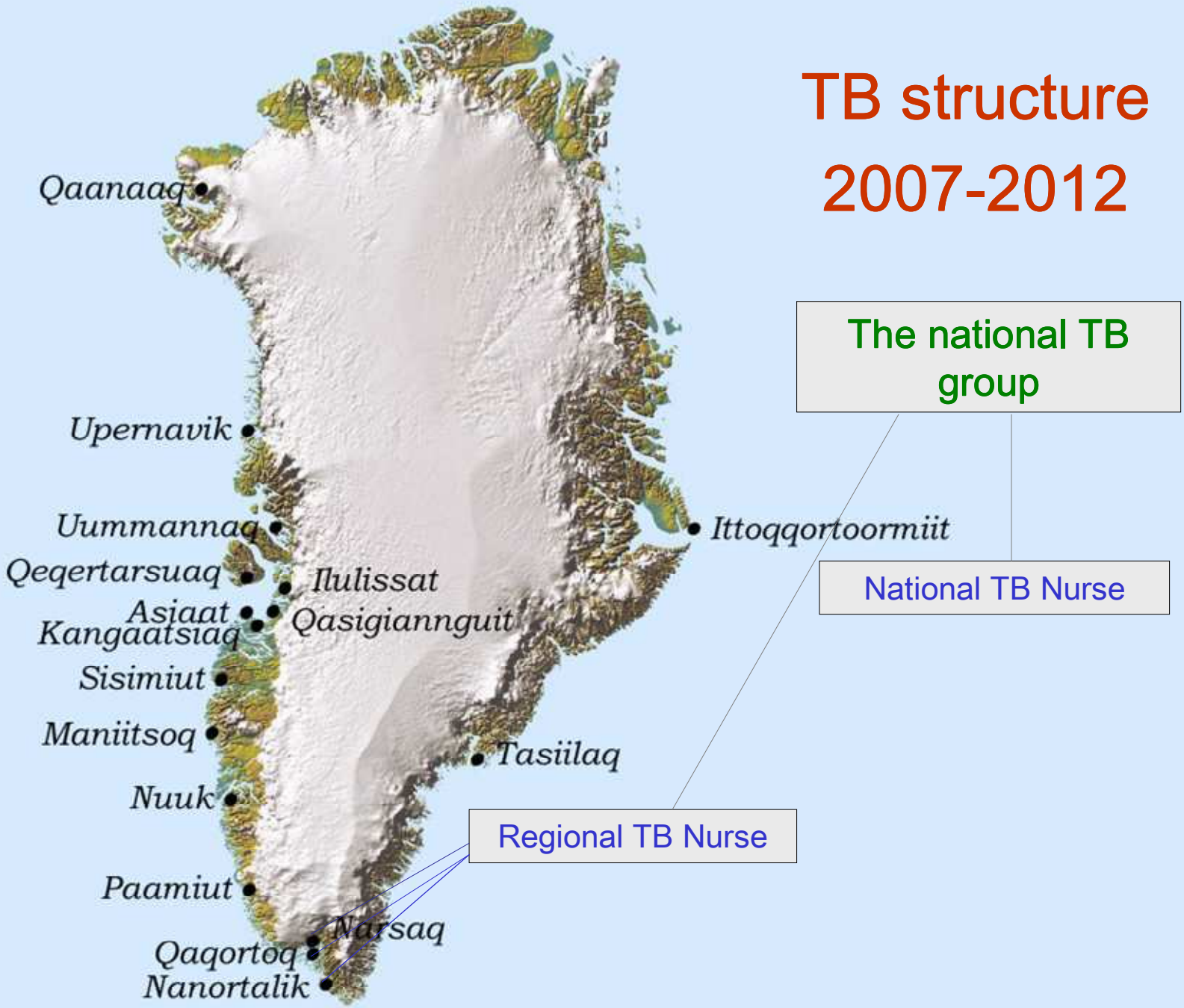
Evaluation of the X-ray screening of Southern Greenland

- The price pr. identified case of active TB has been too high to justify this type of mass screening.

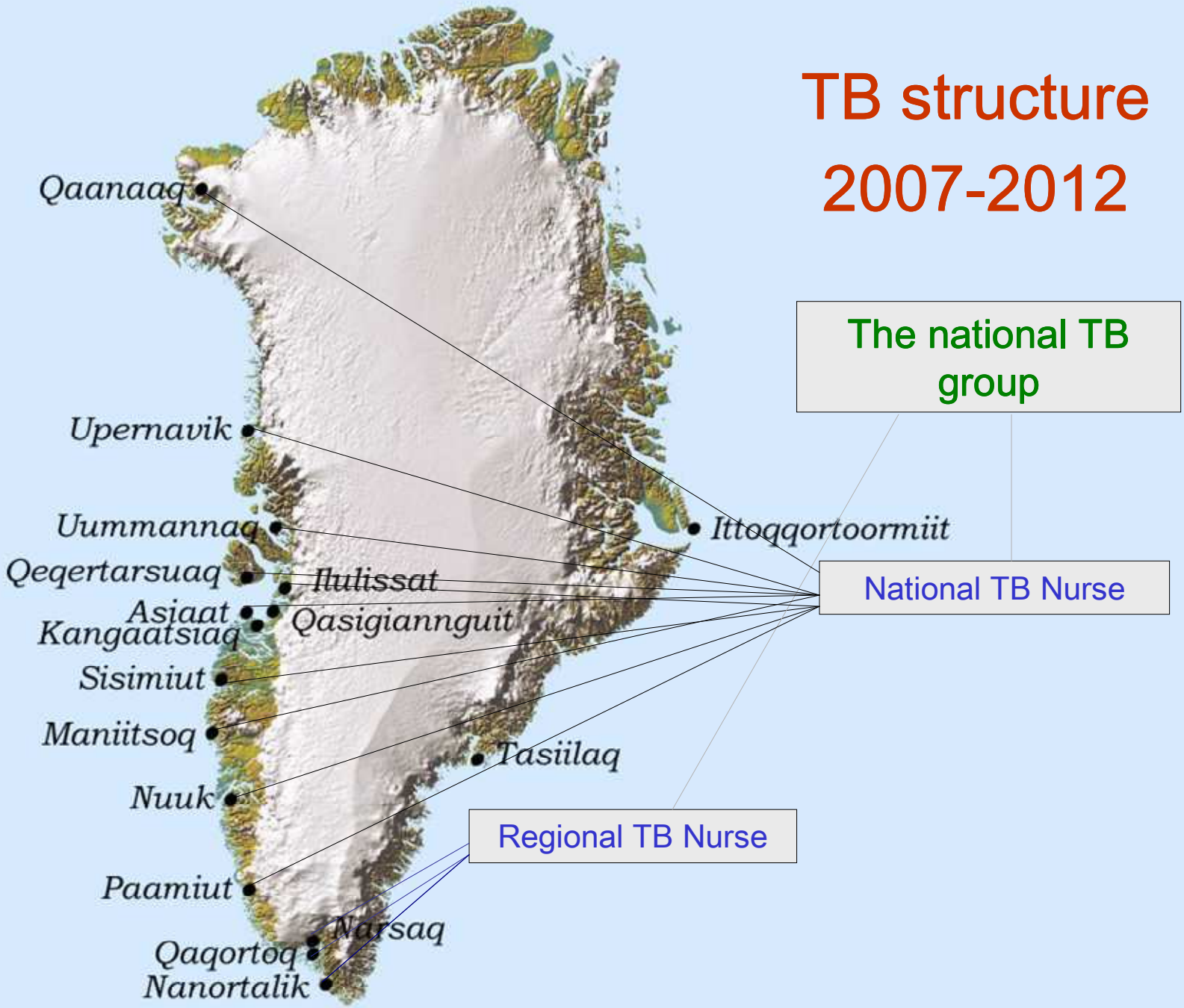
TB structure 2007-2012



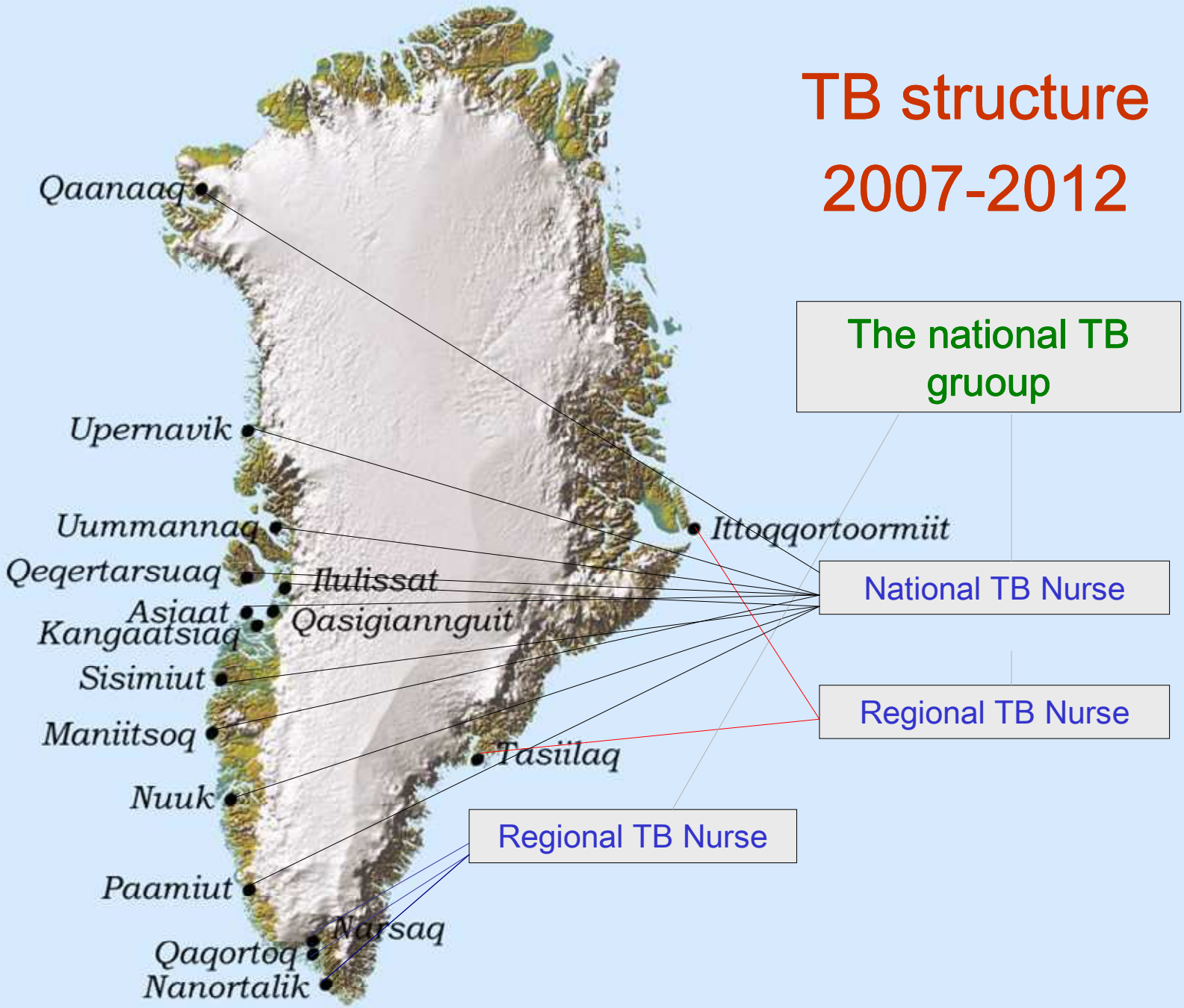
TB structure 2007-2012



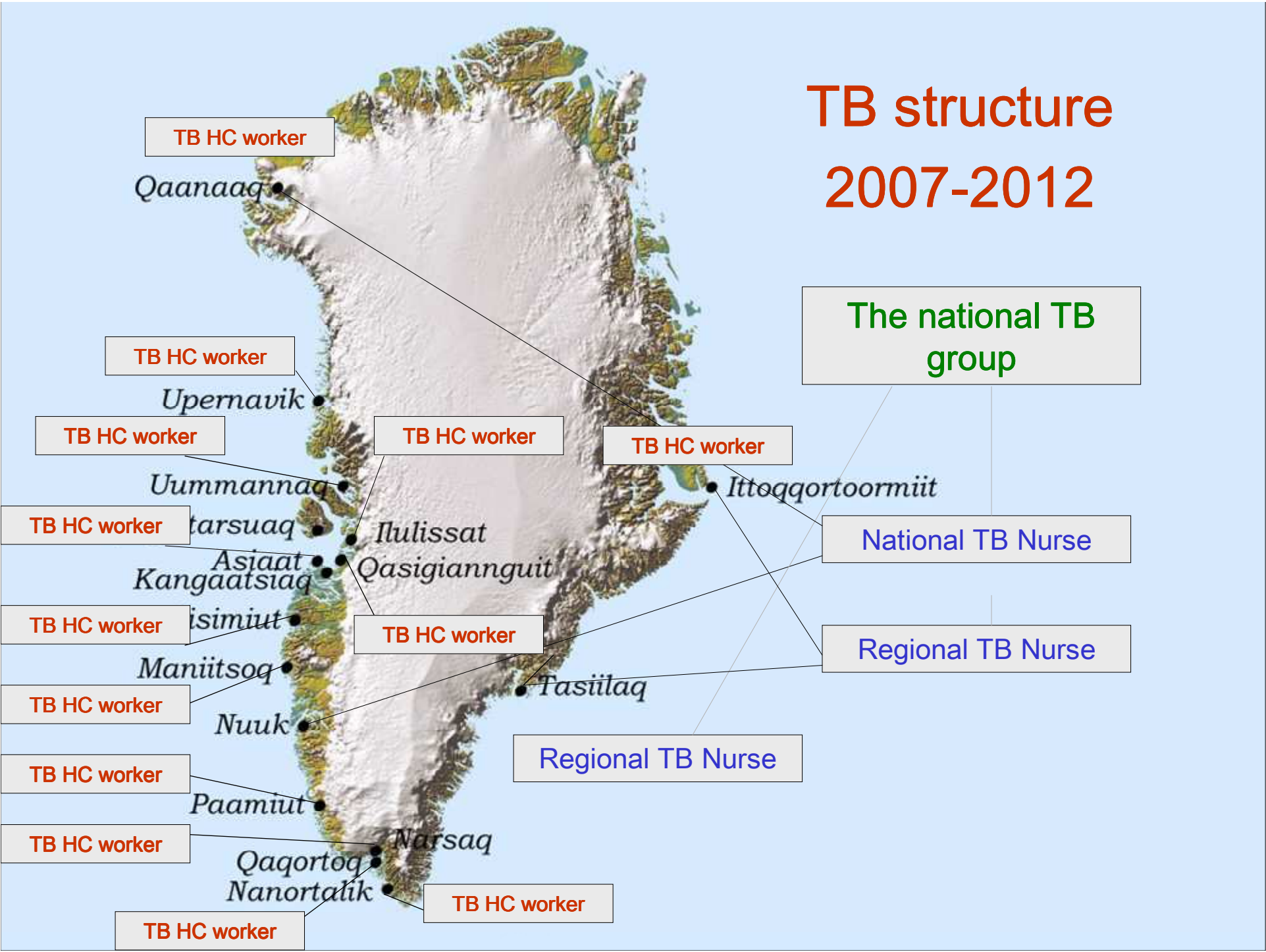
TB structure 2007-2012



TB structure 2007-2012



TB structure 2007-2012



A new National TB Strategy

January 2012?

- Regional TB teams
 - Regional MD responsible for TB
 - Regional TB nurses
 - Lokal TB healthcare workers
 - Training courses every year
- A new national online TB database
- Securing quick and effective diagnostic methods for all levels of society, districts and settlements.

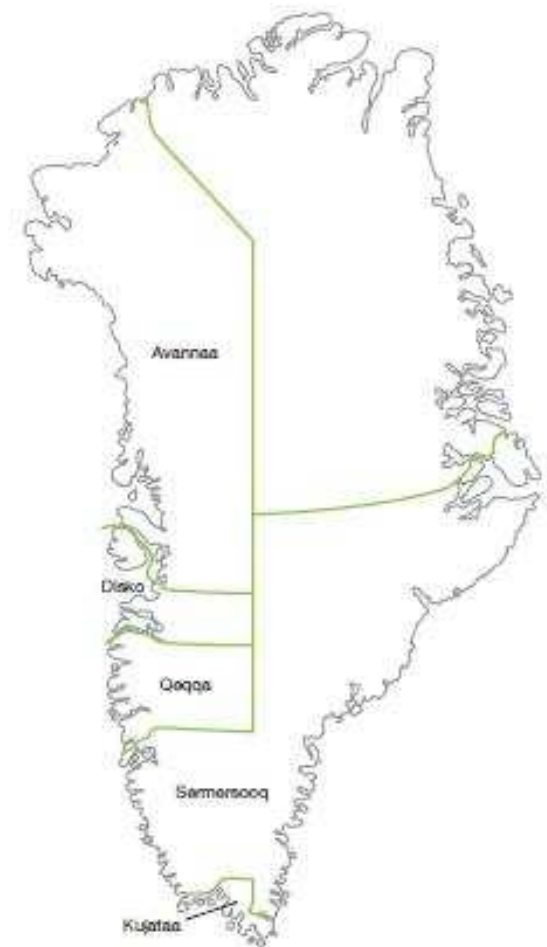
Før 1. 1. 2011
siornatigut

Nakorsaqaarfii 16
16 sundhedsdistrikter



Efter 1. 1. 2011
kingornatigut

Peqqinnissaqaarfii 5
5 sundhedsregioner



TB-ertut nalunaarutigineqarsimasut / Reported cases of active TB per district

Peqqinnisaqarfinnut agg. / Fordelt på anmeldende distrikt pr. 13.09.2011

Peqqin./Distrikt	2003	2004	2005	2006	2007	2008	2009	2010	2011
Nanortalik	7	11	13	13	4	7	5	15	10
Qaqortoq	14	2	14	7	10	6	6	4	3
Narsaq	7	10	11	13	5	3	12	5	4
Paamiut	0	1	1	3	2	3	0	7	3
Nuuk	8	7	18	17	16	18	8	27	9
Maniitsoq	3	6	4	1	2	2	8	3	3
Sisimiut	2	5	1	1	2	5	4	7	5
Aasiaat	7	5	5	1	5	1	3	3	3
Qasigiannugit	0	0	1	0	0	0	0	1	0
Ilulissat	4	3	4	2	1	5	0	4	3
Qeqertarsuaq	2	0	0	0	0	0	0	1	0
Uummannaq	5	2	5	8	6	3	1	1	1
Upernavik	11	7	1	3	4	2	4	5	0
Qaanaaq	0	0	0	0	0	0	0	0	0
Tasiilaq	16	7	18	4	2	6	10	24	36
Ittoqqortoormiit	3	3	3	0	1	1	2	9	9
Total	89	69	99	73	60	62	63	116	89