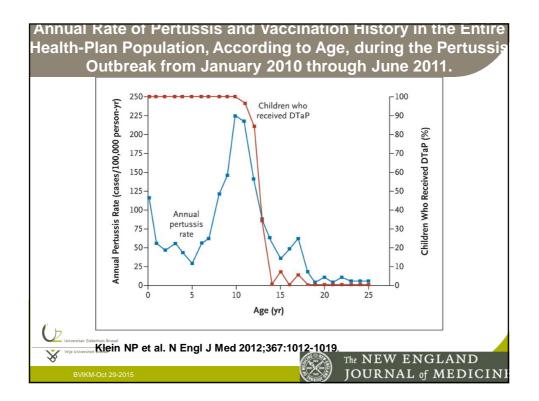
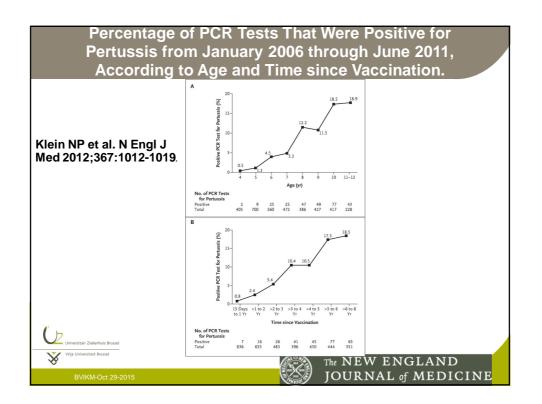
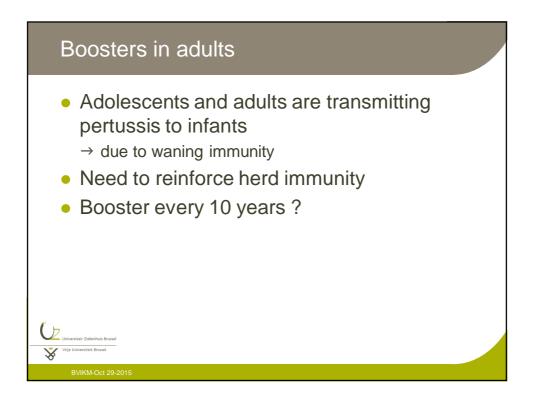


Acellular Vaccines for pediatric use								
Vaccine	Producer	Licensed for	<u>Pertussis</u> <u>toxin</u> (PT), μg	<u>Filamentous</u> <u>hemagglutinin</u> (FHA), μg	<u>Pertactin</u> (PRN), µg	<u>Fimbriae</u> (FIM), µg		
INFANRIX	GlaxoSmi thKline	6 weeks to 7 years	25	25	8	- 이		
BOOSTRIX	GlaxoSmi thKline	> 10 years > 4 years (Eu)	8	8	2.5	-		
HEXYON	Sanofi Pasteur	6 weeks to 7 years	25	25	-	- 이		
DAPTACEL	Sanofi Pasteur	6 weeks to 7 years	10	5	3	5		
ADACEL	Sanofi Pasteur	11 to 64 years	2.5	5	3	5		
8VIKM-Oct 29-2015								

Leeftijd	8	12	16	12 MAAND	15 MAAND	5-7	10-13	14-16 JAAR	
VACCINS	WEKEN	YEKEN	WEKEN			JAAR	JAAR		
Poliomyelitis <sup>(2)</sup>	IPV	IPV	IPV		IPV	IPV			
Difterie- Tetanus- Kinkhoest <sup>(3)</sup>	DTPa	DTPa	DTPa		DTPa	DTPa		dTpa	
Haemophilus influenzae type b <sup>(4)</sup>	Hib	Hib	Ніь		Ніь			$\smile$	
Hepatitis B <sup>(5)</sup>	нву	HBV	нву		HBV				
Mazelen Bof en Rubella <sup>(6)</sup>				MMR			MMR		
Meningokok C <sup>(7)</sup>					MenCc				
Pneumokok <sup>(8)</sup>	Pnc <sub>13</sub>		Pnc <sub>13</sub>	Pnc <sub>13</sub>					
Rotavirus <sup>(9)</sup>	ROTA	ROTA	(ROTA) <sup>(9)</sup>						







Acellular Vaccines : pediatric and adult								
Vaccine	Producer	Licensed for	<u>Pertussis</u> <u>toxin</u> (PT), μg	<u>Filamentous</u> <u>hemagglutinin</u> (FHA), μg	Pertactin (PRN), µg	<u>Fimbriae</u> (FIM), μg		
INFANRIX	GlaxoSmi thKline	6 weeks to 7 years	25	25	8	-		
BOOSTRIX	GlaxoSmi thKline	> 10 years > 4 years (Eu)	8	8	2.5	-		
HEXYON	Sanofi Pasteur	6 weeks to 7 years	25	25	-	-		
DAPTACEL	Sanofi Pasteur	6 weeks to 7 years	10	5	3	5		
ADACEL	Sanofi Pasteur	11 to 64 years	2.5	5	3	5		
BVIKM-Oct 29-2015								

## Conclusions: ideal vaccine ?

- Protection from disease after complete pediatric vaccination (5 doses of DTaP) is short-lived and wanes substantially each year.
- Need for boosters
- Durability of protection after adult vaccination???
- Need to develop new pertussis-containing vaccines that will provide long-lasting