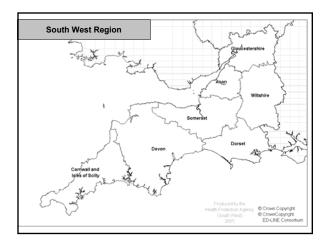
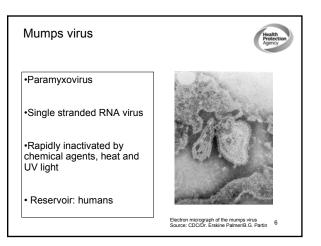


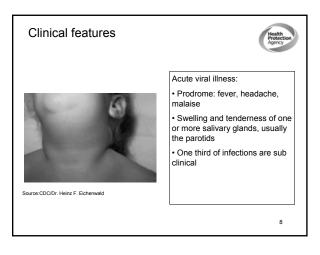
Overview	Healt Prote Agenc
The Health Protection Agency	
• Mumps	
Control of mumps	
<ul> <li>Epidemiology of mumps in the UK England</li> </ul>	and the South West of
The USA experience	
<ul> <li>Control of mumps outbreaks</li> </ul>	
<ul> <li>National recommendations</li> </ul>	
Reflection	

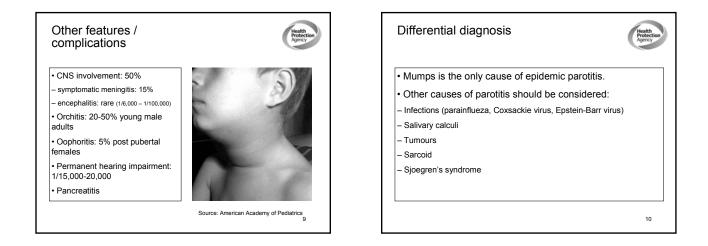
#### **Health Protection Agency** HPA South West Functions Advise government on public health protection issues **Regional Unit** Regional Epidemiology · Deliver services and support the NHS and other agencies in protecting people from infections, poisons, chemical and Health Emergency Planning radiation hazards · Environmental health · Provide an impartial and authoritative source of 3 Health Protection Units co-terminus with SHAs information and advice to professionals and the public • 7 County-based Health Protection Teams · Respond to new threats to public health and to provide a rapid response to health protection emergencies





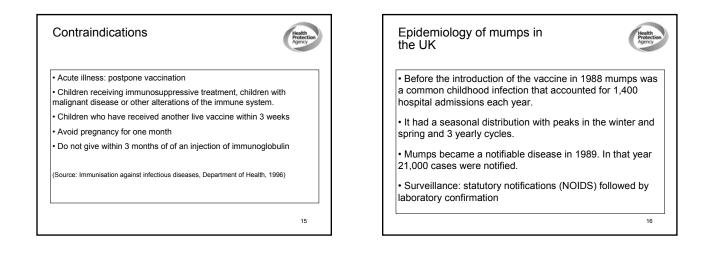
Epidemiology	Health Protection Agency
Transmission: respiratory droplets	
Incubation period: 14-25 days	
Infectious period: days before the onset of parotitis days after. Maximum infectiousness between 2 day and 4 days after onset	
Highly infectious: Ro: 10-12	
	7

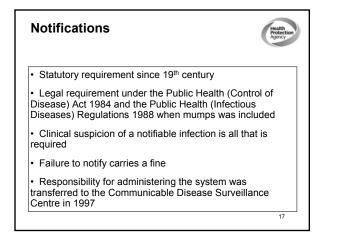


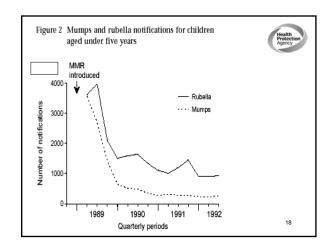


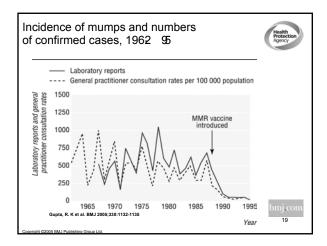
Laboratory diagnosis	Health Protection Agency	Treatment	Health Protection Agency
<ul> <li>Blood</li> <li>leucopaenia with relative lyphocytosis</li> <li>raised CRP and ESR</li> <li>Detection of IgM antibody in salivary samples</li> <li>PCR</li> </ul>		<ul> <li>Supportive <ul> <li>Anticonvulsants</li> <li>Ventilatory support in severe neurological cases</li> </ul> </li> <li>No antiviral treatment exists</li> </ul>	
	11		12

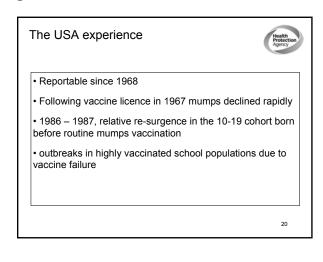
Control of mumps	Vaccination	Health Protection Agency
Vaccination     Response to a case:         - consider exclusion from school or workplace for 10 days from the onset of         parotid swelling if susceptible contacts are present.         - check vaccination status         - arrange or laboratory confirmation         - concurrent disinfection         - no post-exposure prophylaxis. Antibody response to mumps component too         slow.     Outbreaks	<ul> <li>MMR II vaccine (Jeryl Lynn strain)</li> <li>Live attenuated virus</li> <li>Vaccine efficacy: 80-85% after 1 dose</li> <li>2 doses recommended:</li> <li>First dose: 12 – 15 months of age</li> <li>Second dose: preschool: 4 – 5 years of age</li> </ul>	
13		14

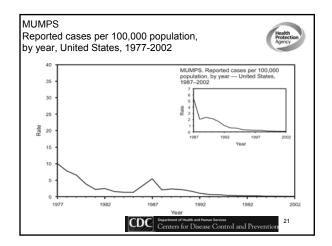


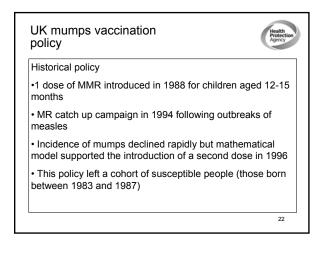


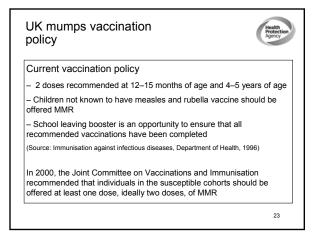


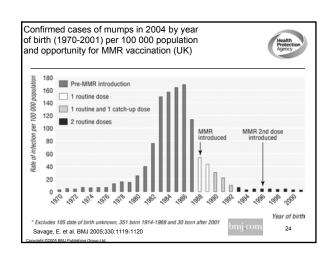


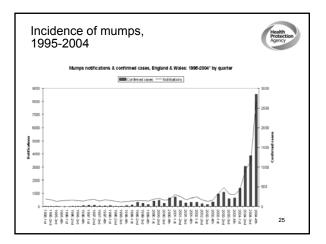


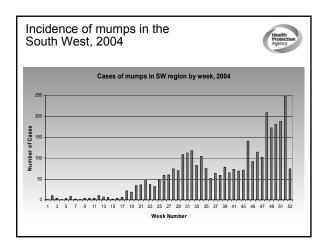


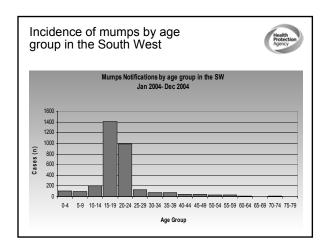


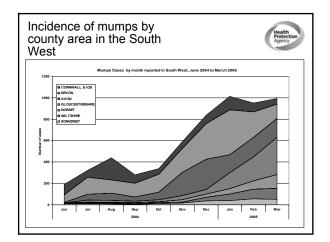


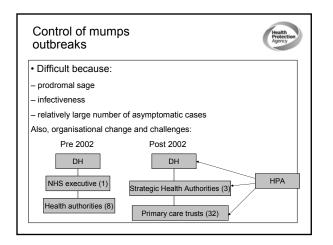


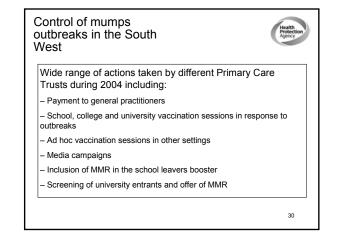


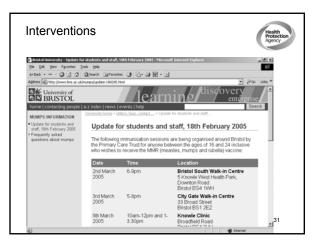


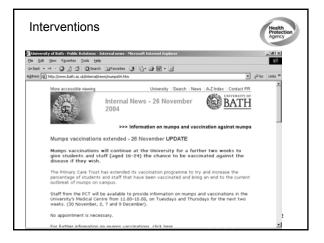


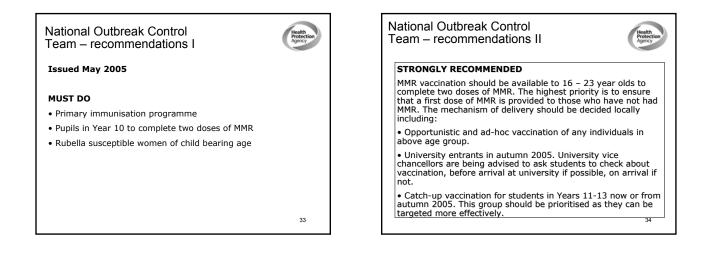


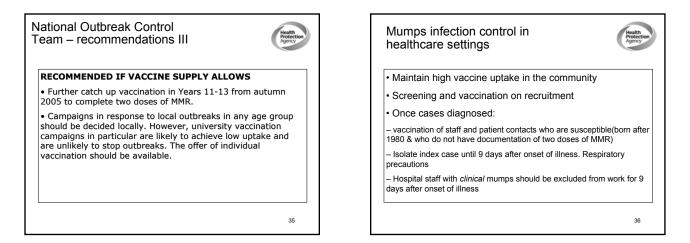












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#### Experience

Patchy, uncoordinated response in the absence of clear national guidance early in the outbreak

Slow and inequitable response

• Poor planning led to temporary shortage of MMR vaccine

Relationships with PCTs compromised in some areas

- Unclear roles and responsibilities.
- Poor uptake of campaigns in educational settings (10-30%)

Need to determine effectiveness of the various interventions and improve contingency planning

