



# Measles in Sunderland

## Avoiding a local outbreak

**A briefing for Children' Young People  
and Learning Scrutiny  
July 2009**



# Aims of the Session

- Measles-Background
- Current Situation
- Proposed solution
- Assistance Required



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# Background

- Measles -A viral infection that can lead to pneumonia and encephalitis, 10% cases require hospitalisation, fatality rate 1 per 5000 still seen in UK
- MMR introduced 1988, coverage 90% achieved, reduced measles transmission, reduced notifications, reduced complications to very low levels
- Late 90s- MMR controversy, now large number of unvaccinated or partially vaccinated children



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## Current Situation

- Outbreaks in Hartlepool, Teesside and Durham (100+ clinical cases, >20 confirmed)
- Suspected cases in Sunderland
- 11000+ children (2-18 years) not vaccinated or partially vaccinated



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## Proposed solution

- Priority to offer and provide school based MMR for 5-16 year old children before hols
- Over summer offer alternative clinics
- September 'mop up' in schools
- Aim to raise overall MMR cover to >90% by the end of September



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# What are we looking for

- Thoughts on plan
- Assistance re identifying range of comms, influencers
- Any other thoughts / comments



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# Pandemic Influenza

## What do you need to know?

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## Aims of the Session

- Understanding swine flu and pandemic
- Current picture
- What the NHS is doing to prepare-services and communities



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## Swine flu- why the fuss?

- Late April : An entirely new virus 'novel H1N1'
- Spreads very easily from person to person.....apparent lack of immunity
- Relatively mild disease outside of Mexico...BUT approximately 2% more severe illness and causing deaths (146 in 8 countries)
  - 11<sup>th</sup> June 2009 WHO declared Global Pandemic of Moderate severity



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## What do we know?

- Preferentially attacks younger people
- Majority cases occurring < 25 years of age, full recovery with or without antivirals
- Most severe and fatal infections occur in adults aged 30-50 (up to half in previously healthy)
- Many of severe cases had underlying conditions, heart, chest, autoimmune, obesity, diabetes, pregnancy



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## What don't we know?

- Do we have enough information from the 55K cases?
- What will happen in developing world?
- How will novel H1N1 change?
- What will autumn and winter bring?
- What about H5N1 (avian flu virus)?
- Unpredictability / Uncertainty



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# Pandemic

**Epidemic:** large outbreak in a single community, population or region

**Pandemic:** epidemic spreading around the world affecting millions of people, across many countries

Geographical description NOT severity not  
**IMPACT**



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## Swine flu picture (25/06/09 am)

- 55, 000 cases in over 100 countries with 238 deaths (8 countries)-undoubtedly an underestimate
- UK- 3500 + cases, Scotland(739+), West Midlands, London, South East-as above
- NE-31 cases, 3 Sunderland,-as above
- 1 death in UK, 64 hospitalisations, 5+ in critical care, 23 School closures-constantly changing

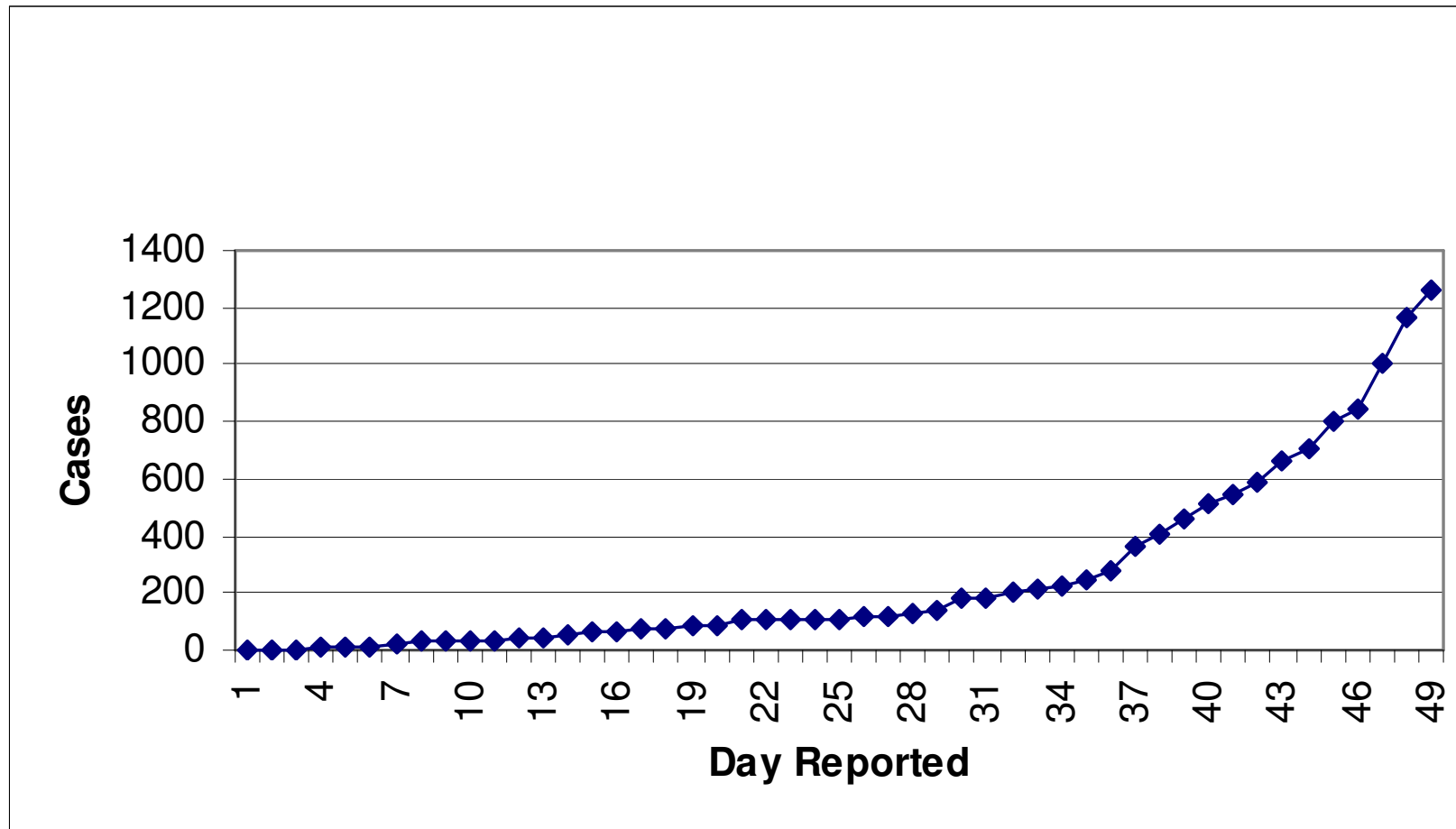


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# Swine Influenza

## Cumulative UK Cases from 27th April 2009





## Activity across the 3 local PCTs since 29<sup>th</sup> April

- Command & control
- HR
- Self Care
- Antiviral Collection Centres
- Flu Line
- Business continuity plans
- Communications
- Primary Care Services
- Community care services
- Surge management
- Vaccination Plans
- Recovery



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- Current picture
- What the NHS is doing to prepare-services and communities?



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# Questions or Comments?



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