Interior Health
INFECTION PREVENTION & CONTROL

Perinatal Measles

IPAC Management and Additional Precautions Recommendation

A susceptible[1] birthing person with known exposure to measles in last 21 days

→ Don medical mask patient and support person immediately[3] →

Move birthing person to an AIIR [4] room with door closed.

Post Airborne, Droplet, and Contact Sign

Airborne, droplet, and contact precautions from 5 days from first exposure to 21 days after last known exposure to Measles

Alert physician immediately

Notify local Infection Prevention and Control or on call Medical Microbiologist (Evenings & Weekends)

→

Continue Delivery in AIIR room with birthing person and baby on Airborne, Droplet & Contact precautions

Ensure Neonatal Resuscitation Team is prepared

→ birth person → Follow IPAC Measles Resource, Management of Exposed Susceptible Contacts in Healthcare Settings.

Contact local ICP [5] for support if needed.

→ baby [6] → Baby to remain on Airborne, Droplet, and Contact Precautions .Follow IPAC Measles Resource, Management of Exposed Susceptible Contacts in Healthcare Settings.

Contact local ICP [5] for support if needed.

Symptomatic[2] birthing person **OR** Recent confirmed or suspected measles case

→ Don medical mask patient and support person immediately[3] →

Move birthing person to an AIIR [4] room with door closed.

Post Airborne, Droplet, and Contact Sign

Airborne, droplet, and contact precautions from 5 days from first exposure to 21 days after last known exposure to Measles

Alert physician immediately

Notify local Infection Prevention and Control or on call Medical Microbiologist (Evenings & Weekends)

** See Test [7] & Report [8] **

Test pending **OR** Positive →

Continue Delivery in AIIR room with birthing person and baby on Airborne, Droplet & Contact precautions

Ensure Neonatal Resuscitation Team is prepared

→ birth person → Continue Airborne, Droplet & Contact precautions
Follow Guidance in IPAC Measles Resource, Contacts in Healthcare Settings.

Contact local ICP [5] for support if needed.

→ baby [6] → Baby to remain on Airborne, Droplet, and Contact Precautions .Follow IPAC Measles Resource, for testing, rooming in, and breastfeeding guidelines.

Contact local ICP [5] for support if needed.

Test Negative, **AND** Measles clinically excluded →

If no other infectious disease suspected: Continue care based on Routine Practices and Point of Care Risk Assessment .

Contact local ICP [5] for support if needed.

1)Susceptible if:

- NO laboratory evidence of prior measles infection with onset greater than 14 days ago.
- NO documented 2 doses of measles containing vaccine, given at appropriate intervals, on or after one year of age.
- NO serological proof of immunity (reactive or positive measles IgG antibody).

2)Symptoms of Measles: Fever (≥ 38.3°C) and cough, runny nose (coryza) or conjunctivitis, followed by generalized maculopapular rash appearing 3-7 days after symptom onset. Refer to IPAC Measles Resource for additional signs and symptoms.

3) Support person Guidelines: Requires N95 respirator, glove, gowns and eye protection as outlined in Airborne, Droplet and Contact Precautions.

4) Airborne Infection isolation Room. (AIIR): If no AIIR, see Management of Patient Requiring Airborne Isolation IN THE ABSENCE of AIIRs.

5) Infection Control Professional (ICP) : Monday – Friday 08:00-16:00 contact local preventionist. IPAC Contact List for weekends, and statutory holidays refer to IPAC Weekends and Statutory holiday coverage

6) IPAC Guidance on baby: IPAC Measles Resource provides guidance for additional precautions, testing, rooming in, and breastfeeding for baby.

7) Test: Physician to assess birthing person for clinical signs of measles and risk factors (see point 2) . Physician to order: Measles PCR on urine AND nasopharyngeal swab specimens AND Measles IgM & IgG Serology

8) Report: If clinical signs highly suspicious for measles and risk factors present, physician to immediately phone CD Unit at 1-866-778-7736 (M-F, 8:30-16:30) or On-call Medical Health Officer (MHO) 1-866-457-5648 (evenings & weekends) to assess likelihood of measles case

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This material has been adapted from Alberta Health Services Infection Prevention and Control (IPC)