**Supplemental Digital Content 1.** CRS Case Definition and Classification

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| --- | --- |
| CASE CATEGORY | CASE DEFINITION |
| **Suspected Case** | * Any infant <12 months of age that presents with any of these conditions as follow:
* congenital heart disease
* suspicion of hearing impairment
* one or more of these eye signs: cataract (white pupil), congenital glaucoma (larger eyeball) or pigmentary retinopathy.
* Any infant <12 months of age in whom a health worker suspects CRS, even without apparent signs of CRS, including maternal history of suspected or confirmed rubella during pregnancy.
 |
| Final classification of CRS cases depends, in part, on identifying Group A or Group B clinical signs of CRS. 1. Cataract(s), congenital glaucoma, pigmentary retinopathy, congenital heart disease (most commonly peripheral pulmonary artery stenosis, patent ductus arteriosus or ventricular septal defects), hearing impairment.
2. Purpura, splenomegaly, microcephaly, developmental delay, meningoencephalitis, radiolucent bone disease, jaundice that begins within the first 24 hours after birth.

Using these clinical signs, one of the final classifications listed below may be made.  |
| **Laboratory-confirmed CRS** | A suspected CRS case with at least one sign from group A and meets the laboratory criteria for confirmation of CRS  |
| **Clinically compatible CRS** | A suspected CRS case without an adequate specimen in whom a qualified clinician detects at least two of the complications from group A *OR* one from group A and one from group B.  |
| **Congenital rubella infection (CRI)** | An infant who has none of the clinical signs of CRS from group A, but who meets the laboratory criteria for CRS.  |
| **Discarded** | A suspected CRS case with an adequate specimen not meeting the laboratory-confirmed case definition, or a suspected case without an adequate laboratory specimen and not meeting the clinically compatible case definition.  |

**Supplemental Digital Content 2.** Surveillance Classification of suspected CRS case-patients <6 months of age

**Suspected CRS cases < 6 months of age**

**(n =147)**

**Blood sample obtained**

**(n=135)**

**Blood sample not obtained**

**(n = 12)**

**Did not meet clinical criteria of CRS cases**

**IgM (-)**

**(n = 102)**

**IgM (+)**

**(n = 33)**

**Met clinical criteria of CRS cases**

**Within 1st month of life and high suspicion of CRS**

**(n = 2)**

**Follow-up test 1-2 months later**

**CRS Discarded**

**(n = 3)**

**CRS Discarded**

**(n = 100)**

**CRS Clinically compatible**

**(n = 9)**

**No defects from Group A**

**Presence of ≥ 1 defect from Group A**

**Infection Only (CRI) (n = 0)**

**Confirmed CRS**

**(n = 33)**

**IgM (+)**

**(n = 0)**

**IgM (-)**

**(n = 2)**

**CRS Discarded**

**(n = 2)**

**Supplemental Digital Content 3.** Surveillance classification of suspected CRS case-patients ≥ 6 months to < 12 months of age

**Suspected CRS cases**

**6-12 months of age**

**(n = 82)**

**Blood sample obtained**

**(n = 72)**

**Blood sample not obtained**

**(n = 10)**

**IgG (-) and IgM (+) / (-)**

**(n = 50)**

**IgG (+) and IgM (+)**

**(n = 12)**

**IgG (+) and IgM (-)**

**(n = 10)**

**2nd Blood sample obtained**

**(n = 4)**

**2nd Blood sample not obtained**

**(n = 6)**

**IgG (-)**

**(n = 2)**

**IgG (+)**

**(n = 2)**

**Did not meet clinical criteria of CRS cases**

**Met clinical criteria of CRS cases**

**CRS Discarded**

**(n = 3)**

**CRS Clinically compatible**

**(n = 13)**

**CRS Discarded**

**(n = 50)**

**CRS Discarded**

**(n = 2)**

**No defects from Group A**

**Presence of ≥ 1 defect from Group A**

**Infection Only (CRI) (n = 0)**

**Confirmed CRS**

**(n = 14)**

**Supplemental Digital Content 4.** Maternal Symptom during Pregnancy