

# BRITISH PAEDIATRIC SURVEILLANCE UNIT

## Reporting Instructions & Case Definitions – NOVEMBER 2022

When reporting a case **PLEASE** keep details of patients for reference.

### IMPORTANT NOTICE

Please inform the office of retirements or circumstances that will affect your ability to return the orange card. Complete the report card by ticking "nothing to report" or indicating the number of cases of the listed conditions seen in the month specified.

#### 1. Progressive intellectual & neurological deterioration (Excluding Republic of Ireland)

**Case Definition:** Any child under 16 years of age at onset of symptoms who fulfils **ALL** of the following three criteria:

- Progressive deterioration for more than three months with
- Loss of already attained intellectual/developmental abilities and
- Development of abnormal neurological signs.

**Excluding:** Static intellectual loss e.g. after encephalitis, head injury or near drowning.

**Including:** Children who meet the case definition even if specific neurological diagnoses have been made.

- Metabolic disorders leading to neurological deterioration.
- Seizure disorders if associated with **progressive** deterioration.
- Children that have been diagnosed as having neurodegenerative conditions but not yet developed symptoms

**Reporting restricted to:** Cases seen in the last month but including those whose conditions began earlier (i.e. including 'old cases' of children in follow-up if seen in that month).

**Reporting Instructions:** Please report any child seen in the last month who meets the case definition, including those who have already been given a specific diagnosis.

#### 2. Congenital rubella

**Case Definition:** Any infant (live or still born) or child up to 16 years of age who, in the opinion of the notifying paediatrician, has suspected or confirmed congenital rubella with or without defects, based on history, clinical and/or laboratory findings. Please include "imported cases", including children born in the British Isles where the maternal infection occurred abroad, AND children who were born abroad.

**Reporting Instructions:** Please report any infant (live or still born) or child seen by you for the first time in the last month who meets the case definition, **REGARDLESS OF COUNTRY OF BIRTH.**

#### 3. Outcome of resuscitated term babies with no heart rate detected at 10 minutes of age

**Case definition:** Any baby who has been cared for in the last month for whom all three of the following conditions were met:

1. Gestational age 37 or more completed weeks of gestation
2. Cardiopulmonary resuscitation following delivery
3. No heart rate detected at 10 minutes of age.

**Reporting instructions:** Please report any cases of babies meeting the surveillance case definition whom you have seen in the last month in the UK or the Republic of Ireland.

#### 4. Neonatal stroke presenting/diagnosed in the first 90 days of life

**Case definition:** Neonatal stroke, of either arterial ischaemic, venous thrombosis or haemorrhagic in origin, suspected in any child from birth till 90 days of age, of any gestation. They must have:

Any neurological symptoms (including seizure, neurological deficit, lethargy, abnormal tone, poor feeding)

**AND either**

- 2a. Neuroimaging (such as MRI or CT) showing disruption or evidence of disruption of cerebral blood flow
- 2b. Neuropathologic studies showing disruption or evidence of disruption of cerebral blood flow

**Excluding:** Cases of germinal matrix haemorrhage/intraventricular haemorrhage or periventricular leukomalacia in preterm infants (defined as below 37 weeks of gestational age) or hypoxic ischaemic encephalopathy.

**Reporting instructions:** Please report any child seen in the last month who meets the case definition seen in the UK or Republic of Ireland.

## 5. Acute Hepatitis 22

**Case definition:** Any case where the clinician has made a clinical diagnosis of acute hepatitis with the following:

1. discrete onset of symptoms suggestive of hepatitis (e.g. fever, jaundice, abdominal pain, fatigue, loss of appetite, rash, itch, joint or muscle ache, dark urine, pale coloured stools, nausea or vomiting);  
**AND**
2. elevated serum alanine aminotransferase (ALT) levels (>500IU/L)
3. age between 1 month and 15 years (inclusive)
4. presenting to hospital any time from 1st Jan 2022

**Reporting instructions:** Please report any case of acute hepatitis which meets the case definition above that occurred from 1 January 2022 irrespective of whether an infectious agent is identified.

## 6. Near Fatal Asthma

**Case definition:** Cases will be defined as **(1) or (2) or (3)**

1. Any child aged 5-15 years surviving\* an acute episode of asthma, who when presenting self-ventilating with severe dyspnoea (e.g. inability to speak) and **all** the following features:
  - a. Pulse oxygen saturation below 92% despite maximal oxygen therapy (i.e. 10-15l/min oxygen flow via non-rebreather mask) during acute presentation **and**
  - b. pH  $\leq 7.2$  and/or pCO<sub>2</sub>  $\geq 60$ mmHg or 8kPa **and**
  - c. Escalation to use of intravenous bronchodilator infusion
2. Any child aged 5-15 years surviving\* an acute episode of asthma, who had a respiratory arrest and/or required cardiopulmonary resuscitation as part of their presentation.
3. Any child age 5-15 years surviving\* an acute episode of asthma for which he/she was invasively ventilated.

\*surviving to hospital discharge

**Reporting instructions:** Please report any case that meets the above definition. Clinicians are encouraged to report the event even if final outcome is not yet known or the patient is still receiving ongoing care in hospital.