

AESI Rationale to include as AESI (1, 2, 3, 4 and/or 5)	Brighton Case Definition Status
AESI included because they are seen with COVID-19 Disease ^{3,4}	
Acute respiratory distress syndrome	Submitted (Vaccine)
Multisystem inflammatory syndrome (children & adults)	Submitted (Vaccine)
Acute cardiovascular injury <i>(includes: myocarditis/pericarditis, microangiopathy, heart failure, stress cardiomyopathy, coronary artery disease arrhythmia)</i>	Myocarditis/pericarditis near completion. Others not yet started
Coagulation disorder <i>(includes: thrombotic disorders, bleeding disorders)</i>	Thrombosis near completion; Bleeding disorder WG to be formed
Anosmia, ageusia	WG to be formed
Chilblain – like lesions	WG to be formed
Erythema multiforme	Not yet started
Single Organ Cutaneous Vasculitis	Published
Acute kidney injury	Published lab-based criteria (see *)
Acute liver injury	Published lab-based criteria (see #)
Acute pancreatitis NEW (Dec 2020)	Not yet started
Rhabdomyolysis NEW (Dec 2020)	Not yet started
Subacute thyroiditis NEW (Dec 2020)	Not yet started
AESI included because they have a proven or theoretical association with immunization in general	
Anaphylaxis ^{1,2}	Published
Thrombocytopenia ^{1,2,3,4}	Published
Generalized convulsion ^{1,2}	Published
Acute disseminated encephalomyelitis ⁴	Published
Guillain Barré Syndrome ^{3,4}	Published
AESI included because they have a proven or theoretical association with specific vaccine platform(s)	
Acute aseptic arthritis ^{r-VSV}	Published
Aseptic meningitis ^{Live vaccines}	Published
Encephalitis / Encephalomyelitis ^{Live vaccines}	Published
Idiopathic Peripheral Facial Nerve Palsy ^{Intranasal EColi Heat Labile Toxin Adjuvanted Vaccine}	Published
Vaccine associated enhanced disease ^{1(Formalin inactivated measles/RSV; HIV), 2(Chimeric YF Dengue), 5 (SARS / MERS-CoVs)}	In press (Vaccine)

¹ Proven association with immunization encompassing several different vaccines

² Proven association with vaccine that could theoretically be true for novel COVID-19 vaccines

³ Theoretical concern based on wild type disease immunopathogenesis

⁴ Theoretical concern related to viral replication during wild type disease

⁵ Theoretical concern because it has been demonstrated in an animal model with ≥ 1 vaccine platform

* Acute kidney injury – international consensus definition proposed by the Kidney Disease Improving Global Outcomes expert consensus group (www.kdigo.org)

- Increase in serum creatinine by ≥ 0.3 mg/dl (≥26.5 umol/l) within 48 hours; OR
- Increase in serum creatinine to ≥ 1.5 times baseline, known or presumed to have occurred within prior 7 days OR
- Urine volume ≤0.5 ml/ kg/ hour for 6 hours

Acute liver injury – definition as used in majority of COVID-19 publications (but no international consensus):

- *> 3-fold elevation above the upper normal limit for ALT or AST OR*
- *> 2-fold elevation above the upper normal limit for total serum bilirubin or GGT or ALP*