

## Supplemental Information

### Exclusions in Algorithm C

All malignancy CCCs except essential (hemorrhagic) thrombocythemia

All hematologic or immunologic CCCs except Kawasaki disease and sickle cell trait

Metabolic CCC subcategories of amino acid metabolism; carbohydrate metabolism; lipid metabolism; storage disorder; and other metabolic disorders

Neurologic and neuromuscular CCCs subcategories of CNS degeneration and diseases; muscular dystrophies and myopathies; and movement diseases

Cardiovascular CCC, heart and great vessel malformations subcategory except malformation of the coronary artery

Transplantation subcategory of respiratory CCC, renal and urologic CCC, gastrointestinal CCC, and miscellaneous CCC

Birth codes

ITP (D693)

Guillain-Barre Syndrome (G610)

Other encephalitis and encephalomyelitis (G0481)

### Exclusions in Algorithm F

All malignancy CCCs except essential (hemorrhagic) thrombocythemia

All hematologic or immunologic CCCs except Kawasaki disease and sickle cell trait

Neurologic and neuromuscular CCCs subcategories of CNS degeneration and diseases; muscular dystrophies and myopathies; and movement diseases

Cardiovascular CCC, heart and great vessel malformations subcategory except malformation of the coronary artery

Transplantation subcategory of respiratory CCC, renal and urologic

CCC, gastrointestinal CCC, and miscellaneous CCC

Birth codes

ITP (D693)

Guillain-Barre Syndrome (G610)

Other encephalitis and encephalomyelitis (G0481)

### Exclusions for Algorithm H and 2021 Restricted

Transplantation subcategory of respiratory CCC, renal and urologic CCC, gastrointestinal CCC, and miscellaneous CCC

All malignancy CCCs

### Estimating Specificity

In assuming that there are no missed cases of MIS-C on the public reporting list, we calculated specificity under the assumption that all negatives are true negatives. In this case, the specificity for all algorithms was high >99.66% (Supplemental Table 7).

**SUPPLEMENTAL TABLE 6** Anticoagulants

PHIS Billing Code	Description
112205	Aspirin
112209	Aspirin buffered
161251	Dipyridamole/aspirin
161269	Other antiplatelet
161300	Anticoagulant unspec
161307	Heparin sodium
161323	Dalteparin sodium
161327	Enoxaparin sodium
161331	Tinzaparin sodium
161341	Fondaparinux sodium
161351	Argatroban
161353	Bivalirudin
161354	Dabigatran
161361	Warfarin sodium
161511	Alteplase
161521	Tenecteplase

**SUPPLEMENTAL TABLE 7** Estimates of Specificity

Algorithm	Gold Standard Positive	Gold Standard Negative	Algorithm Positive	Algorithm Negative	Specificity
A	245	115581	118	115708	0.9999
B	245	115581	166	115660	0.9997
C	245	115581	278	115548	0.9986
D	245	115581	202	115624	0.9996
E	245	115581	248	115578	0.9994
F	245	115581	158	115668	0.9998
G	245	115581	285	115541	0.9993
H	245	115581	255	115571	0.9995
ICD-10	358	73099	420	73037	0.9991
ICD-10 with exclusions	358	73099	414	73043	0.9991