



# Feasibility counts for SARS-CoV-2-related codes in CPRD primary care data

October 2020

## Background

### CPRD primary databases

The Clinical Practice Research Datalink (CPRD) holds longitudinal primary care EHR on 50 million patients, with a median 10 year follow up. CPRD data cover 24% of the UK population (over 16 million patients) currently registered at a network of 1 in every 5 GP practices across the UK, who share patient data with CPRD on a daily basis. CPRD collects fully coded patient electronic health records from GP Practices using the Vision® or EMIS® software systems. Due to some differences in structure and clinical coding in these two systems, these data are provided as two separate primary care databases at present with accompanying metadata and advice to enable researchers to make study-specific decisions on how best to pool these data. CPRD GOLD contains data contributed by practices using Vision® software. CPRD Aurum contains routinely collected data from practices using EMIS Web® electronic patient record system software. Both research databases are updated monthly. The counts in this report are based on the October 2020 database builds of CPRD Aurum and CPRD GOLD.

### Context

The novel coronavirus and disease that it causes (COVID-19) are an immediate focus for many research groups globally. CPRD primary care data are a potentially valuable resource to support this research. Feasibility counts to understand whether and how codes relating to SARS-CoV-2 are being recorded in primary care are the first step in establishing the research potential of CPRD data on this topic. The counts in this report should only be presented in the context of a feasibility count within a given data source and/or database (e.g. CPRD GOLD or CPRD Aurum). It would not be appropriate to present these in a publication as incidence or prevalence counts or to use these for surveillance purposes.



## Summary counts

The CPRD GOLD October 2020 build includes data from 19.2M patients, of which 3.2M are currently registered and acceptable<sup>1</sup>. A total of 937 GP practices have contributed data to CPRD GOLD of which 405 are currently contributing practices.

The CPRD Aurum October 2020 build includes data from 37.6M patients, of which 12.9M are currently registered and acceptable<sup>1</sup>. A total of 1,441 GP practices have contributed data to CPRD Aurum of which 1,350 are currently contributing practices.

The feasibility counts are based on a cohort of patients who have at least one relevant COVID-19 code in the period **02/12/2019 – 30/09/2020** and within their registration period. The patient registration period starts at the patient registration date with the practice and ends at the earliest of the patient transfer out date (de-registration), and the practice last collection date.

**203,968** events related to SARS-CoV-2 were recorded in CPRD GOLD in the period 02/12/2019-30/09/2020. Each coded event is counted, irrespective of the distance between consecutive entries. These relate to **128,555** unique patients.

**1,329,569** events related to SARS-CoV-2 were recorded in CPRD Aurum in the period 02/12/2019-30/09/2020. Each coded event is counted, irrespective of the distance between consecutive entries. These relate to **733,611** unique patients.

**Table 1** presents numbers of unique events and patients stratified by gender.

**Table 1. SARS-CoV-2 codes by gender**

<b>Gender</b>	<b>CPRD GOLD events</b>	<b>CPRD GOLD patients</b>	<b>CPRD Aurum events</b>	<b>CPRD Aurum patients</b>
<b>Male</b>	76,985	54,338	523,230	296,015
<b>Female</b>	126,983	74,217	806,339	437,596



**Table 2** presents numbers of unique events and patients stratified by age group. Age at event is calculated as the difference between the year of the event and the year of birth recorded in the CPRD primary care data.

**Table 2. SARS-CoV-2 codes by age group**

<b>Age Group</b>	<b>CPRD GOLD events</b>	<b>CPRD GOLD patients</b>	<b>CPRD Aurum events</b>	<b>CPRD Aurum patients</b>
<b>0-18</b>	22,475	17,599	159,173	101,458
<b>19-49</b>	88,896	53,919	549,330	316,202
<b>50-59</b>	34,161	19,293	196,275	103,849
<b>60-69</b>	23,022	14,185	152,961	76,975
<b>70-79</b>	16,337	11,884	126,655	63,954
<b>80+</b>	19,077	11,675	145,175	71,173



**Table 3** presents numbers of unique events and patients across the period stratified by practice nation.

**Table 3. SARS-CoV-2 codes by practice country**

Practice country	Number of currently contributing CPRD practices (n= 1580) <sup>1</sup>	Regional coverage of CPRD practices <sup>2</sup>	All events (CPRD Aurum + CPRD GOLD)	Patients (CPRD Aurum + CPRD GOLD)
<b>England</b>	1,257 (79.6%)	21.5%	1,406,366	791,596
<b>Northern Ireland</b>	42 (2.7%)	15.5%	7,748	4,251
<b>Scotland</b>	180 (11.4%)	19.7%	102,086	54,558
<b>Wales</b>	101 (6.4%)	24.8%	17,337	11,761

**Table 4** presents numbers of unique events and the associated number of unique patients stratified by code type (see appendix 1). The number of patients provided is the number of unique patients within each stratification (code type). The same patient may therefore be present in two or more stratifications. Note: There were no vaccination codes in CPRD GOLD.

**Table 4. SARS-CoV-2 codes by code type**

Code Type	CPRD GOLD events	CPRD GOLD patients	CPRD Aurum events	CPRD Aurum patients
<b>Possible</b>	24,323	20,742	150,559	100,814
<b>Tested</b>	146,054	84,848	431,684	322,419
<b>Diagnosis</b>	3,184	2,864	86,893	56,267
<b>Advice</b>	30,407	27,473	659,955	312,964
<b>Vaccination</b>	-	-	478	466

**Notes:**

- The code lists used (see appendix) include both emergency codes created in response to the novel coronavirus and more general coronavirus codes. Though there is a risk of misclassification with the more general codes, these are likely to have been used until the specific codes were made available.
- The CPRD patient data quality indicator, the ‘acceptable’<sup>3</sup> flag has not been applied. This allows the inclusion of temporary patients.

<sup>1</sup> Numbers correct at release of May 2020 database builds

<sup>2</sup> Based on currently contributing practices and national practice numbers in May 2020.

<sup>3</sup> Acceptable patients are identified within the CPRD using pre-defined criteria to assess the research quality of a patient health record



- The counts provided have been de-duplicated. Patients in practices that have migrated software system from Vision® to EMIS® have been excluded from the CPRD GOLD counts.
- Due to CPRD's small cell policy, patient counts with fewer than 5 observations have been suppressed.

## Appendix 1

### CPRD GOLD SARS-CoV-2 code list

medcode	Read code	Term	Code Type
114771	4J3R100	2019-nCoV (novel coronavirus) detected	Tested
114769	4J3R200	2019-nCoV (novel coronavirus) not detected	Tested
114770	4J3R.00	2019-nCoV (novel coronavirus) serology	Tested
114760	8CAO100	Advice given about 2019-nCoV (novel coronavirus) by telephone	Advice
114754	8CAO.00	Advice given about 2019-nCoV (novel coronavirus) infection	Advice
114891	A7y0000	Coronavirus as cause of dis classified to other chapters	Diagnosis
114731	65PW.00	Coronavirus contact	Possible
50068	A795.00	Coronavirus infection	Diagnosis
91124	43jS.00	Coronavirus nucleic acid detection	Tested
109154	43jS000	Coronavirus nucleic acid detection assay	Tested
110951	43jS100	Coronavirus ribonucleic acid detection assay	Tested
114765	A795100	Disease caused by 2019-nCoV (novel coronavirus)	Diagnosis
114764	65PW100	Exposure to 2019-nCoV (novel coronavirus) infection	Possible
113745	1JX..00	Suspected coronavirus infection	Possible
114766	1JX1.00	Suspected disease caused by 2019-nCoV (novel coronavirus)	Possible
114753	9N31200	Telephone consultation for suspected 2019-nCoV (novel coronavirus)	Possible
114762	AyuDC00	[X]Coronavirus infection, unspecified	Diagnosis

### CPRD Aurum SARS-CoV-2 code list

medcodeid	Term	Snomed CT descriptionid	Type
12990761000006117	2019 novel coronavirus detected	2808921000000112	TestedDiagnosis
12990791000006113	2019 novel coronavirus not detected	2808931000000114	Tested
12991121000006117	2019 novel coronavirus serology	2808991000000110	Tested
12990521000006119	2019 novel coronavirus vaccination	2808751000000116	Vaccination
12991221000006110	2019 novel coronavirus vaccination invitation SMS (short message service) text message sent	2809181000000118	Vaccination



12991201000006117	2019 novel coronavirus vaccination invitation short message service text message sent	2809141000000114	Vaccination
13045121000006113	2019-nCoV (novel coronavirus) IgA detected	2829571000000117	TestedDiagnosis
13045141000006118	2019-nCoV (novel coronavirus) IgA detection result equivocal	2829601000000112	Tested
13053151000006118	2019-nCoV (novel coronavirus) IgA detection result indeterminate	2832381000000115	Tested
13045161000006119	2019-nCoV (novel coronavirus) IgA detection result unknown	2829631000000118	Tested
13045181000006112	2019-nCoV (novel coronavirus) IgA not detected	2829661000000111	Tested
13032641000006118	2019-nCoV (novel coronavirus) IgG detected	2828761000000111	TestedDiagnosis
13032741000006112	2019-nCoV (novel coronavirus) IgG detection result equivocal	2828971000000118	Tested
13053131000006113	2019-nCoV (novel coronavirus) IgG detection result indeterminate	2832391000000118	Tested
13032801000006119	2019-nCoV (novel coronavirus) IgG detection result unknown	2829101000000118	Tested
13032701000006110	2019-nCoV (novel coronavirus) IgG not detected	2828901000000114	Tested
13032661000006119	2019-nCoV (novel coronavirus) IgM detected	2828801000000118	TestedDiagnosis
13032781000006118	2019-nCoV (novel coronavirus) IgM detection result equivocal	2829071000000110	Tested
13053171000006111	2019-nCoV (novel coronavirus) IgM detection result indeterminate	2832401000000115	Tested
13032721000006117	2019-nCoV (novel coronavirus) IgM detection result unknown	2828941000000112	Tested
13032681000006112	2019-nCoV (novel coronavirus) IgM not detected	2828871000000114	Tested
13053231000006119	2019-nCoV (novel coronavirus) antibody detection result	2832341000000111	Tested



	indeterminate		
13053211000006113	2019-nCoV (novel coronavirus) antibody detection result negative	2832311000000110	Tested
13053191000006112	2019-nCoV (novel coronavirus) antibody detection result positive	2832261000000115	TestedDiagnosis
13053251000006114	2019-nCoV (novel coronavirus) antibody detection result unknown	2832371000000117	Tested
13053091000006111	2019-nCoV (novel coronavirus) antigen detection result indeterminate	2832081000000117	Tested
13053071000006110	2019-nCoV (novel coronavirus) antigen detection result negative	2832051000000111	Tested
13053051000006117	2019-nCoV (novel coronavirus) antigen detection result positive	2832021000000118	TestedDiagnosis
13053111000006119	2019-nCoV (novel coronavirus) antigen detection result unknown	2832141000000114	Tested
12990741000006116	2019-nCoV (novel coronavirus) detected	2808081000000112	TestedDiagnosis
13032861000006118	2019-nCoV (novel coronavirus) detection result equivocal	2829261000000114	Tested
13032881000006111	2019-nCoV (novel coronavirus) detection result unknown	2829271000000119	Tested
12990771000006112	2019-nCoV (novel coronavirus) not detected	2808111000000116	Tested
12991101000006110	2019-nCoV (novel coronavirus) serology	2808551000000114	Tested
13032451000006118	2019-nCoV (novel coronavirus) species detection test	2828041000000113	Tested
12990501000006112	2019-nCoV (novel coronavirus) vaccination	2807821000000115	Vaccination
12991191000006115	2019-nCoV (novel coronavirus) vaccination invitation SMS (short message service) text message sent	2809121000000119	Vaccination
12991091000006116	Advice given about 2019 novel coronavirus by	2809081000000117	Advice





	telephone		
12991061000006112	Advice given about 2019 novel coronavirus infection	2809161000000110	Advice
12991071000006117	Advice given about 2019-nCoV (novel coronavirus) by telephone	2808521000000116	Advice
12991041000006113	Advice given about 2019-nCoV (novel coronavirus) infection	2808501000000113	Advice
13012411000006111	Advice given about SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) by telephone	2826341000000112	Advice
13012401000006113	Advice given about SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) infection	2826421000000113	Advice
12991081000006119	Advice given about Wuhan 2019-nCoV (novel coronavirus) by telephone	2808541000000111	Advice
12991051000006110	Advice given about Wuhan 2019-nCoV (novel coronavirus) infection	2808511000000110	Advice
13002271000006115	Assessment using COVID-19 severity scale	2794361000000111	Diagnosis
13012431000006117	COVID-19	2826511000000115	Diagnosis
13012441000006110	COVID-19 caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2826541000000119	Diagnosis
13002281000006117	COVID-19 confirmed by laboratory test	2799591000000111	TestedDiagnosis
13002311000006115	COVID-19 confirmed clinically	2799661000000118	Diagnosis
13002291000006119	COVID-19 confirmed using clinical diagnostic criteria	2799621000000114	Diagnosis
13002451000006114	COVID-19 excluded by laboratory test	2827331000000118	Tested
13002261000006110	COVID-19 severity scale	2794311000000114	Diagnosis
13002251000006113	COVID-19 severity score	2712291000000117	Diagnosis
13032381000006117	Cardiomyopathy caused by 2019-nCoV (novel coronavirus)	2828261000000115	Diagnosis
13032371000006115	Cardiomyopathy caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2827881000000110	Diagnosis





13033001000006117	Central laboratory 2019-nCoV (novel coronavirus) antibody detection test	2829421000000117	Tested
13032951000006112	Central laboratory 2019-nCoV (novel coronavirus) species detection test	2829351000000115	Tested
13032991000006118	Central laboratory SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antibody detection test	2829411000000111	Tested
13032941000006110	Central laboratory SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) species detection test	2829331000000110	Tested
12990401000006111	Close exposure to 2019 novel coronavirus infection	2808701000000117	Possible
12990381000006111	Close exposure to 2019-nCoV (novel coronavirus) infection	2807671000000117	Possible
13012181000006111	Close exposure to SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) infection	2826461000000117	Possible
12990391000006114	Close exposure to Wuhan 2019-nCoV (novel coronavirus) infection	2807681000000115	Possible
12802201000006117	Confirmed 2019-nCoV (novel coronavirus) infection	12802201000006117	Diagnosis
595821000006116	Coronavirus as cause of dis classified to other chapters	287060018	Diagnosis
1861021000006114	Coronavirus contact	1861021000006114	Possible
2266211000000118	Coronavirus contact	2390201000000113	Possible
287060018	Coronavirus infection	287060018	Diagnosis
312761000000115	Coronavirus nucleic acid detection	2595381000000117	Tested
2331261000000114	Coronavirus nucleic acid detection assay	2595381000000117	Tested
1923661000006111	Coronavirus ribonucleic acid detection assay	2586231000000115	Tested
12990551000006111	Detection of 2019 novel coronavirus using polymerase chain reaction technique	2808741000000119	Tested
12990531000006116	Detection of 2019-nCoV (novel coronavirus) using polymerase chain reaction technique	2807871000000116	Tested
13012231000006116	Detection of SARS-CoV-2	2826591000000112	Tested



	(severe acute respiratory syndrome coronavirus 2) using polymerase chain reaction technique		
12990541000006114	Detection of Wuhan 2019-nCoV (novel coronavirus) using polymerase chain reaction technique	2807891000000117	Tested
12991151000006114	Disease caused by 2019 novel coronavirus	2808911000000118	Diagnosis
12991131000006119	Disease caused by 2019-nCoV (novel coronavirus)	2808881000000118	Diagnosis
12991141000006112	Disease caused by Wuhan 2019-nCoV (novel coronavirus)	2808901000000115	Diagnosis
13044541000006113	EMIS COVID-19 care pathway template entry	13044541000006113	Diagnosis
12991031000006115	Educated about 2019 novel coronavirus infection	2809171000000115	Advice
12991011000006114	Educated about 2019-nCoV (novel coronavirus) infection	2808471000000118	Advice
13012391000006111	Educated about SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) infection	2826681000000111	Advice
12991021000006118	Educated about Wuhan 2019-nCoV (novel coronavirus) infection	2808481000000116	Advice
12990701000006118	Encephalopathy caused by 2019 novel coronavirus	2808811000000113	Diagnosis
12990681000006116	Encephalopathy caused by 2019-nCoV (novel coronavirus)	2808031000000113	Diagnosis
13012281000006115	Encephalopathy caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2826711000000110	Diagnosis
12990691000006118	Encephalopathy caused by Wuhan 2019-nCoV (novel coronavirus)	2808041000000116	Diagnosis
12990371000006113	Exposure to 2019 novel coronavirus infection	2808711000000115	Possible
12990351000006115	Exposure to 2019-nCoV (novel coronavirus) infection	2807641000000111	Possible
12802171000006116	Exposure to 2019-nCoV (novel coronavirus) infection	12802171000006116	Possible
13012171000006113	Exposure to SARS-CoV-2	2826731000000119	Possible



	(severe acute respiratory syndrome coronavirus 2) infection		
12990361000006118	Exposure to Wuhan 2019-nCoV (novel coronavirus) infection	2807651000000114	Possible
13045241000006110	Exposure to confirmed case of 2019-nCoV (novel coronavirus) infection	2829751000000116	Possible
13045231000006117	Exposure to confirmed case of SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) infection	2829741000000119	Possible
7562791000006119	Exposure to coronavirus infection	3004378016	Possible
13045261000006114	Exposure to suspected case of 2019-nCoV (novel coronavirus) infection	2829781000000110	Possible
13045251000006112	Exposure to suspected case of SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) infection	2829761000000118	Possible
12990731000006114	Gastroenteritis caused by 2019 novel coronavirus	2808821000000119	Diagnosis
12990711000006115	Gastroenteritis caused by 2019-nCoV (novel coronavirus)	2808051000000118	Diagnosis
13012291000006117	Gastroenteritis caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2826771000000117	Diagnosis
12990721000006111	Gastroenteritis caused by Wuhan 2019-nCoV (novel coronavirus)	2808071000000110	Diagnosis
12990821000006116	High priority for 2019 novel coronavirus vaccination	2808971000000111	Vaccination
12990801000006114	High priority for 2019-nCoV (novel coronavirus) vaccination	2808151000000117	Vaccination
13012321000006114	High priority for SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccination	2826751000000114	Vaccination
12990811000006112	High priority for Wuhan 2019-nCoV (novel coronavirus) vaccination	2808161000000119	Vaccination
12990641000006110	Infection of upper respiratory	2808861000000110	Diagnosis



	tract caused by 2019 novel coronavirus		
12990461000006112	Measurement of 2019 novel coronavirus antibody	2808761000000118	Tested
12990491000006116	Measurement of 2019 novel coronavirus antigen	2808781000000110	Tested
12990441000006113	Measurement of 2019-nCoV (novel coronavirus) antibody	2807721000000110	Tested
12990471000006117	Measurement of 2019-nCoV (novel coronavirus) antigen	2807761000000119	Tested
13012201000006112	Measurement of SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antibody	2827551000000119	Tested
13012211000006110	Measurement of SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antigen	2827571000000111	Tested
12990451000006110	Measurement of Wuhan 2019-nCoV (novel coronavirus) antibody	2807741000000115	Tested
12990481000006119	Measurement of Wuhan 2019-nCoV (novel coronavirus) antigen	2807771000000114	Tested
12990611000006111	Myocarditis caused by 2019 novel coronavirus	2808831000000117	Diagnosis
12990591000006117	Myocarditis caused by 2019-nCoV (novel coronavirus)	2807941000000118	Diagnosis
13012251000006111	Myocarditis caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2827591000000110	Diagnosis
12990601000006113	Myocarditis caused by Wuhan 2019-nCoV (novel coronavirus)	2807951000000115	Diagnosis
12990581000006115	Otitis media caused by 2019 novel coronavirus	2808841000000114	Diagnosis
12990561000006113	Otitis media caused by 2019-nCoV (novel coronavirus)	2807901000000116	Diagnosis
13012241000006114	Otitis media caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2827611000000119	Diagnosis
12990571000006118	Otitis media caused by Wuhan 2019-nCoV (novel coronavirus)	2807921000000113	Diagnosis
13032971000006119	POC (point of care) SARS-	2829381000000114	Tested



	CoV-2 (severe acute respiratory syndrome coronavirus 2) antibody detection test		
13032921000006115	POC (point of care) SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) species detection test	2829311000000119	Tested
12990671000006119	Pneumonia caused by 2019 novel coronavirus	2808851000000112	Diagnosis
12990651000006112	Pneumonia caused by 2019-nCoV (novel coronavirus)	2807991000000111	Diagnosis
13012271000006118	Pneumonia caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2827631000000110	Diagnosis
12990661000006114	Pneumonia caused by Wuhan 2019-nCoV (novel coronavirus)	2808011000000117	Diagnosis
13032981000006116	Point of care 2019-nCoV (novel coronavirus) antibody detection test	2829391000000111	Tested
13032931000006117	Point of care 2019-nCoV (novel coronavirus) species detection test	2829341000000118	Tested
13032961000006114	Point-of-care SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antibody detection test	2829371000000112	Tested
13032911000006111	Point-of-care SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) species detection test	2829301000000116	Tested
13012471000006119	Possible COVID-19	2827531000000114	Possible
13002301000006118	Probable COVID-19 confirmed using clinical diagnostic criteria	2799651000000116	Possible
13045291000006118	Provision of advice, assessment or treatment delayed due to COVID-19 pandemic	2829811000000113	Advice
13002551000006110	Provision of advice, assessment or treatment limited due to COVID-19 pandemic	2827521000000112	Advice
6604671000006111	SARS-CoV infection	2536663014	Diagnosis



13045131000006111	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgA detection result equivocal	2829591000000118	Tested
13053141000006115	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgA detection result indeterminate	2832181000000118	Tested
13045171000006114	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgA detection result negative	2829641000000110	Tested
13045111000006117	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgA detection result positive	2829551000000114	TestedDiagnosis
13045151000006116	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgA detection result unknown	2829621000000115	Tested
13032731000006119	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgG detection result equivocal	2828961000000113	Tested
13053121000006110	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgG detection result indeterminate	2832161000000110	Tested
13032691000006110	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgG detection result negative	2828891000000113	Tested
13032631000006111	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgG detection result positive	2828741000000110	TestedDiagnosis
13032791000006115	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgG detection result unknown	2829091000000114	Tested
13032771000006116	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgM detection result equivocal	2829451000000110	Tested
13053161000006116	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgM detection	2832201000000119	Tested



	result indeterminate		
13032671000006114	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgM detection result negative	2829491000000119	Tested
13032651000006116	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgM detection result positive	2829471000000118	TestedDiagnosis
13032711000006113	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) IgM detection result unknown	2829461000000113	Tested
13052391000006118	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) RNA (ribonucleic acid) detection result equivocal	2831471000000115	Tested
13052361000006114	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) RNA (ribonucleic acid) detection result negative	2831561000000114	Tested
13052351000006112	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) RNA (ribonucleic acid) detection result positive	2831581000000117	TestedDiagnosis
13052401000006116	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) RNA (ribonucleic acid) detection result unknown	2831601000000114	Tested
13053221000006117	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antibody detection result indeterminate	2832331000000119	Tested
13053201000006110	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antibody detection result negative	2832301000000113	Tested
13053181000006114	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antibody detection result positive	2832251000000118	TestedDiagnosis
13053241000006112	SARS-CoV-2 (severe acute	2832361000000112	Tested





	respiratory syndrome coronavirus 2) antibody detection result unknown		
13053081000006113	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antigen detection result indeterminate	2832061000000114	Tested
13053061000006115	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antigen detection result negative	2832031000000116	Tested
13053041000006119	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antigen detection result positive	2832011000000112	TestedDiagnosis
13053101000006117	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antigen detection result unknown	2832131000000117	Tested
13012301000006116	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) detected	2827041000000112	TestedDiagnosis
13032851000006115	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) detection result equivocal	2829201000000110	Tested
13039291000006119	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) detection result negative	2829521000000116	Tested
13039281000006117	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) detection result positive	2829511000000110	TestedDiagnosis
13032871000006113	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) detection result unknown	2829211000000112	Tested
13012311000006118	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) not detected	2827081000000116	Tested
13012421000006115	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) serology	2827201000000118	Tested
13032441000006115	SARS-CoV-2 (severe acute respiratory syndrome	2828021000000118	Tested



	coronavirus 2) species detection test		
13012221000006119	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccination	2827001000000114	Vaccination
13012481000006116	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccination invitation SMS (short message service) text message sent	2827221000000110	Vaccination
13002351000006119	Self-taken swab for 2019-nCoV (novel coronavirus) completed	2826641000000115	Tested
13002371000006112	Self-taken swab for 2019-nCoV (novel coronavirus) offered	2826651000000117	Tested
13002341000006116	Self-taken swab for SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) completed	2826611000000116	Tested
13002361000006117	Self-taken swab for SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) offered	2826691000000113	Tested
13002611000006110	Signposting to CHMS (COVID-19 Home Management Service)	2827781000000118	Advice
12802181000006118	Suspected 2019-nCoV (novel coronavirus) infection	12802181000006118	Possible
13012451000006112	Suspected COVID-19	2827381000000119	Possible
13012461000006114	Suspected COVID-19 caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2827391000000117	Possible
2266141000000110	Suspected coronavirus infection	2989665015	Possible
1861011000006118	Suspected coronavirus infection	1861011000006118	Possible
12991171000006116	Suspected disease caused by 2019 novel coronavirus	2809021000000118	Possible
12991161000006111	Suspected disease caused by 2019-nCoV (novel coronavirus)	2809001000000110	Possible
12991181000006118	Suspected disease caused by Wuhan 2019-nCoV (novel coronavirus)	2809031000000116	Possible



13002391000006113	Swab for 2019-nCoV (novel coronavirus) taken by healthcare professional	2826961000000114	Tested
13002381000006110	Swab for SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) taken by healthcare professional	2826951000000111	Tested
13002331000006114	Taking of swab for 2019-nCoV (novel coronavirus)	2826271000000111	Tested
13002321000006111	Taking of swab for SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2826251000000119	Tested
12990431000006115	Telephone consultation for suspected 2019 novel coronavirus	2808801000000111	Possible
12990411000006114	Telephone consultation for suspected 2019-nCoV (novel coronavirus)	2807691000000118	Possible
13012191000006114	Telephone consultation for suspected SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2827261000000119	Possible
12990421000006118	Telephone consultation for suspected Wuhan 2019-nCoV (novel coronavirus)	2807711000000116	Possible
12802191000006115	Tested for 2019-nCoV (novel coronavirus) infection	12802191000006115	Tested
12990621000006115	Upper respiratory tract infection caused by 2019-nCoV (novel coronavirus)	2807971000000112	Diagnosis
13012261000006113	Upper respiratory tract infection caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	2827671000000112	Diagnosis
12990631000006117	Upper respiratory tract infection caused by Wuhan 2019-nCoV (novel coronavirus)	2807981000000114	Diagnosis
12990751000006119	Wuhan 2019-nCoV (novel coronavirus) detected	2808101000000118	TestedDiagnosis
12990781000006110	Wuhan 2019-nCoV (novel coronavirus) not detected	2808131000000112	Tested
12990511000006110	Wuhan 2019-nCoV (novel coronavirus) vaccination	2807831000000118	Vaccination
12991211000006119	Wuhan 2019-nCoV (novel coronavirus) vaccination	2809151000000112	Vaccination



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12991111000006113	Wuhan 2019-nCov (novel coronavirus) serology	2808571000000117	Tested
288205019	[X]Coronavirus infection, unspecified	287060018	Diagnosis
375771000006118	[X]Coronavirus/cause/disease s classified to other chapters	287060018	Diagnosis