[PL] All events COVID-19, positive test or diagnosis with NO cooccurring negative test, 180d washout

Cohort Definition Id: 10650

Link to Editable Definition: https://epi.jnj.com/atlas/#/cohortdefinition/10650

Cohort Definition Description

source: O184 hashTag: #ASSURE, #Indication, #ASSURE-Indication; submitter: Gowtham A. Rao, Azza A Shoaibi logic: all events of positive SAR-CoV-2 test result or Covid-19 diagnosis without a negative test result on to 3 days after diagnosis. Entry events will be combined into cohort eras if they are within 180 days of each other. cohort end date is 3 days post index.

Clinical Description

COVID-19 is caused by a coronavirus called SARS-CoV-2. Older adults and people who have severe underlying medical conditions like heart or lung disease or diabetes seem to be at higher risk for developing more serious complications from COVID-19 illness.

Evaluation Summary

20211022_discussion_slides v2-awsasjnvaw0003.pptx

Human Readable Algorithm

Cohort Entry Events

People enter the cohort when observing any of the following:

1. measurements of 'SARS-CoV-2 test', starting after December 1, 2019; with value as concept: "detected", "detected", "positive", "positive", "present" or "present".
2. condition occurrences of 'COVID-19', starting after December 1, 2019; having no measurements of 'SARS-CoV-2 test', starting between 0 days before and 3 days after 'COVID-19' start date; with value as concept: "negative", "not detected", "not detected in pooled specimen", "absent", "negative", "not detected" or "absent".

Cohort Exit

The cohort end date will be offset from index event's start date plus 3 days.

Cohort Eras

Remaining events will be combined into cohort eras if they are within 180 days of each other.

Concept Sets

COVID-19

Concept Set Logic

conceptId	conceptName	vocabularyId	includeDescendants	isExcluded	includeMapped
37311061	COVID-19	SNOMED	TRUE	FALSE	FALSE

Included Concepts

conceptId	conceptName	vocabularyId
3661405	Acute bronchitis caused by SARS-CoV-2	SNOMED
605554	Acute COVID-19	SNOMED
3655976	Acute hypoxemic respiratory failure due to COVID-19	SNOMED
3661748	Acute kidney injury due to COVID-19	SNOMED
3661406	Acute respiratory distress syndrome due to COVID-19	SNOMED
601870	Anxiety disorder due to severe acute respiratory syndrome coronavirus 2	SNOMED
3662381	Asymptomatic SARS-CoV-2	SNOMED
756031	Bronchitis caused by COVID-19	OMOP Extension
3656667	Cardiomyopathy due to COVID-19	SNOMED
35328036	Congenital COVID-19	MedDRA
35327926	Congenital SARS-CoV-2 infection	MedDRA
3656668	Conjunctivitis due to COVID-19	SNOMED
37311061	COVID-19	SNOMED
35327797	COVID-19 recurrent	MedDRA
37174329	Disease caused by severe acute respiratory syndrome coronavirus 2 during pregnancy	SNOMED
3656669	Dyspnea caused by SARS-CoV-2	SNOMED
37310284	Encephalopathy due to COVID-19	SNOMED
1340294	Exacerbation of COVID-19	OMOP Extension
1340437	Exacerbation of pneumonia caused by SARS-CoV-2	OMOP Extension
3661885	Fever caused by SARS-CoV-2	SNOMED
37310283	Gastroenteritis caused by SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)	SNOMED
3663281	Infection of lower respiratory tract caused by SARS-CoV-2	SNOMED
37310286	Infection of upper respiratory tract caused by SARS-CoV-2	SNOMED
35327668	Laboratory confirmed COVID-19	MedDRA
35328122	Laboratory confirmed SARS-CoV-2 infection without symptoms	MedDRA
3661631	Lymphocytopenia due to COVID-19	SNOMED
37310287	Myocarditis due to COVID-19	SNOMED
37310254	Otitis media due to COVID-19	SNOMED
3661408	Pneumonia caused by SARS-CoV-2	SNOMED
756039	Respiratory infection caused by COVID-19	OMOP Extension
3655977	Rhabdomyolysis due to COVID-19	SNOMED
37163567	SARS-CoV-2 breakthrough infection	SNOMED
42622504	SARS-CoV-2 Delta variant infection	MedDRA
42622830	SARS-CoV-2 Omicron variant infection	MedDRA
42622403	SARS-CoV-2 variant infection	MedDRA
42622828	SARS-CoV-2 variant of concern infection	MedDRA
605292	SARS-CoV-2 viremia	SNOMED
42622902	SARS-CoV-2 VOC infection	MedDRA
3655975	Sepsis due to disease caused by COVID-19	SNOMED
3661632	Thrombocytopenia due to COVID-19	SNOMED
35327408	Vaccine derived SARS-CoV-2 infection	MedDRA

SARS-CoV-2 test

Concept Set Logic

conceptId	conceptName	vocabularyId	includeDescendants	isExcluded	includeMapped
756055	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	OMOP Extension	TRUE	FALSE	FALSE
37310258	Measurement of Severe acute respiratory syndrome coronavirus 2 antibody	SNOMED	TRUE	TRUE	FALSE
704059	Infectious agent detection by nucleic acid (DNA or RNA); severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) (Coronavirus disease COVID-19), amplified probe technique, making use of high throughput technologies as described by CMS-2020-01-R	HCPCS	TRUE	FALSE	FALSE
704058	2019-nCoV Coronavirus, SARS-CoV-2/2019-nCoV (COVID-19), any technique, multiple types or subtypes (includes all targets), non-CDC, making use of high throughput technologies as described by CMS-2020-01-R	HCPCS	TRUE	FALSE	FALSE

Included Concepts

conceptId	conceptName	vocabularyId
40218824	2019-ncov coronavirus, sars-cov-2/2019-ncov (covid-19), any technique, multiple types or subtypes (includes all targets), non-cdc	HCPCS
704058	2019-ncov coronavirus, sars-cov-2/2019-ncov (covid-19), any technique, multiple types or subtypes (includes all targets), non-cdc, making use of high throughput technologies as described by cms-2020-01-r (Deprecated)	HCPCS
3965080	CD3+CD4+ (T4 helper) cells [#/volume] in Blood –after stimulation with SARS-CoV-2 Nucleocapsid peptide	LOINC
3964948	CD3+CD8+ (T8 suppressor) cells [#/volume] in Blood –after stimulation with SARS-CoV-2 Nucleocapsid peptide	LOINC
3965490	CD3 cells [#/volume] in Blood –after stimulation with SARS-CoV-2 Nucleocapsid peptide	LOINC
40218805	cdc 2019 novel coronavirus (2019-ncov) real-time rt-pcr diagnostic panel	HCPCS
1761793	Cells.CD4+CD154+/CD4 cells in Blood –after stimulation with SARS-CoV-2 Nucleocapsid peptide	LOINC
1761649	Cells.CD4+CD154+/CD4 cells in Blood –after stimulation with SARS-CoV-2 Spike peptide	LOINC
1761706	Cells.CD4.Interferon gamma-expressing/CD4 cells in Blood –after stimulation with SARS-CoV-2 Nucleocapsid peptide	LOINC
1761660	Cells.CD4.Interferon gamma-expressing/CD4 cells in Blood –after stimulation with SARS-CoV-2 Spike peptide	LOINC
1761625	Cells.CD4.Tumor necrosis factor alfa-expressing/CD4 cells in Blood –after stimulation with SARS-CoV-2 Nucleocapsid peptide	LOINC
1761400	Cells.CD4.Tumor necrosis factor alfa-expressing/CD4 cells in Blood –after stimulation with SARS-CoV-2 Spike peptide	LOINC
43009141	COVID-19 antigen test negative	MedDRA
43010803	COVID-19 antigen test positive	MedDRA
43010051	COVID-19 molecular test negative	MedDRA
43010279	COVID-19 molecular test positive	MedDRA
43009187	COVID-19 PCR test negative	MedDRA
43011008	COVID-19 PCR test positive	MedDRA
43010399	COVID-19 rapid POC test	MedDRA
43011116	COVID-19 rapid POC test negative	MedDRA

conceptId	conceptName	vocabularyId
43010219	COVID-19 rapid POC test positive	MedDRA
43011324	COVID-19 virus test false negative	MedDRA
43010533	COVID-19 virus test false positive	MedDRA
43010314	COVID-19 virus test negative	MedDRA
43011330	COVID-19 virus test positive	MedDRA
37168088	Detection of ribonucleic acid of SARS-CoV-2 using microchip real time polymerase chain reaction	SNOMED
36670619	Detection of ribonucleic acid of SARS-CoV-2 using polymerase chain reaction	SNOMED
724576	Infectious agent antigen detection by bulk acoustic wave biosensor immunoassay, severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) (coronavirus disease COVID-19)	CPT4
759689	Infectious agent antigen detection by immunoassay technique (eg, enzyme immunoassay [EIA], enzyme-linked immunosorbent assay [ELISA], fluorescence immunoassay [FIA], immunochemiluminometric assay [IMCA]), qualitative or semiquantitative; severe acute r...	CPT4
742224	Infectious agent antigen detection by immunoassay technique, qualitative or semiquantitative, multiple-step method; severe acute respiratory syndrome coronavirus (eg, SARS-CoV, SARS-CoV-2 COVID-19) (Coronavirus disease COVID-19)	CPT4
759692	Infectious agent antigen detection by immunoassay with direct optical (ie, visual) observation; severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) (coronavirus disease COVID-19)	CPT4
801235	Infectious agent detection by nucleic acid (dna or rna); severe acute respiratory syndrome coronavirus 2 (sars-cov-2) (coronavirus disease covid-19), amplified probe technique, cdc or non-cdc, making use of high throughput technologies, ... (Deprecated)	HCPCS
704059	Infectious agent detection by nucleic acid (dna or rna); severe acute respiratory syndrome coronavirus 2 (sars-cov-2) (coronavirus disease covid-19), amplified probe technique, making use of high throughput technologies as described by ... (Deprecated)	HCPCS
759690	Infectious agent detection by nucleic acid (DNA or RNA); severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) (coronavirus disease COVID-19) and influenza virus types A and B, multiplex amplified probe technique	CPT4
759691	Infectious agent detection by nucleic acid (DNA or RNA); severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) (coronavirus disease COVID-19), influenza virus types A and B, and respiratory syncytial virus, multiplex amplified probe technique	CPT4
759520	Infectious disease (bacterial or viral respiratory tract infection) pathogen-specific DNA and RNA, 21 targets, including severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), amplified probe technique, including multiplex reverse transcription...	CPT4
742218	Infectious disease (bacterial or viral respiratory tract infection), pathogen-specific nucleic acid (DNA or RNA), 22 targets including severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), qualitative RT-PCR, nasopharyngeal swab	CPT4
742219	Infectious disease (bacterial or viral respiratory tract infection), pathogen-specific nucleic acid (DNA or RNA), 22 targets including severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), qualitative RT-PCR, nasopharyngeal swab	CPT4
759535	Infectious disease (viral respiratory tract infection), pathogen-specific RNA, 3 targets (severe acute respiratory syndrome coronavirus 2 [SARS-CoV-2], influenza A, influenza B), upper respiratory specimen, each pathogen reported as detected or not det...	CPT4
759536	Infectious disease (viral respiratory tract infection), pathogen-specific RNA, 4 targets (severe acute respiratory syndrome coronavirus 2 [SARS-CoV-2], influenza A, influenza B, respiratory syncytial virus [RSV]), upper respiratory specimen, each patho...	CPT4
36661375	Influenza virus A and B and SARS-CoV-2 (COVID-19) identified in Respiratory system specimen by NAA with probe detection	LOINC
1761840	Influenza virus A and B and SARS-CoV-2 (COVID-19) RNA panel - Specimen by NAA with probe detection	LOINC
37310257	Measurement of SARS-CoV-2 antigen	SNOMED

conceptId	conceptName	vocabularyId
756055	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	OMOP Extension
586310	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) Genetic material using Molecular method	OMOP Extension
704991	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Blood	OMOP Extension
903672	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in exhaled gas	OMOP Extension
903673	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in exhaled gas using gas chromatography-mass spectrometry	OMOP Extension
756029	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Respiratory specimen	OMOP Extension
586307	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Saliva	OMOP Extension
705107	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Sample from nose	OMOP Extension
704976	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Sample from oropharynx	OMOP Extension
586309	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Specified specimen	OMOP Extension
756065	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Unspecified specimen	OMOP Extension
702834	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) specific cell-mediated immune response in Blood	OMOP Extension
704992	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using Culture method	OMOP Extension

conceptId	conceptName	vocabularyId
705001	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using Nucleic acid amplification technique	OMOP Extension
705000	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using Nucleic acid amplification technique in Blood	OMOP Extension
756085	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using Nucleic acid amplification technique in Respiratory specimen	OMOP Extension
586308	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using Nucleic acid amplification technique in Saliva	OMOP Extension
705106	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using Nucleic acid amplification technique in Sample from nose	OMOP Extension
704975	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using Nucleic acid amplification technique in Sample from oropharynx	OMOP Extension
756084	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using Nucleic acid amplification technique in Unspecified specimen	OMOP Extension
704993	Measurement of Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using Sequencing	OMOP Extension
46236988	SARS2 gene full mutation analysis in Blood or Tissue by Sequencing	LOINC
46236992	SARS2 gene mutation analysis limited to known familial mutations in Blood or Tissue by Molecular genetics method	LOINC
1619038	SARS coronavirus 2 stimulated gamma interferon release by Helper (CD4+) T-cells [Units/volume] corrected for background in Blood by Immunoassay	LOINC
1619031	SARS coronavirus 2 stimulated gamma interferon release by lymphocytes [Units/volume] corrected for background in Blood by Immunoassay	LOINC
3965598	SARS-CoV-2 Ag [Presence] in Nasopharynx by Immunofluorescence	LOINC
723477	SARS-CoV-2 (COVID-19) Ag [Presence] in Respiratory system specimen by Rapid immunoassay	LOINC
36032419	SARS-CoV-2 (COVID-19) Ag [Presence] in Upper respiratory specimen by Immunoassay	LOINC
36033641	SARS-CoV-2 (COVID-19) Ag [Presence] in Upper respiratory specimen by Rapid immunoassay	LOINC
36033653	SARS-CoV-2 (COVID-19) clade [Type] in Specimen by Molecular genetics method	LOINC
36033659	SARS-CoV-2 (COVID-19) E gene [Cycle Threshold #] in Respiratory system specimen by NAA with probe detection	LOINC
36033658	SARS-CoV-2 (COVID-19) E gene [Presence] in Respiratory system specimen by NAA with probe detection	LOINC
36033652	SARS-CoV-2 (COVID-19) lineage [Identifier] in Specimen by Molecular genetics method	LOINC
1989163	SARS-CoV-2 (COVID-19) lineage [Type] in Specimen by Sequencing	LOINC

conceptId	conceptName	vocabularyId
36033694	SARS-CoV-2 (COVID-19) M gene [Presence] in Upper respiratory specimen by NAA with probe detection	LOINC
729890	SARS-CoV-2 (COVID-19) Mpro gene mutation detected [Identifier] in Specimen by Molecular genetics method Nominal	LOINC
36033693	SARS-CoV-2 (COVID-19) N gene [Cycle Threshold #] in Oropharyngeal wash by NAA with probe detection	LOINC
706167	SARS-CoV-2 (COVID-19) N gene [Cycle Threshold #] in Specimen by NAA with probe detection	LOINC
706157	SARS-CoV-2 (COVID-19) N gene [Cycle Threshold #] in Specimen by Nucleic acid amplification using CDC primer-probe set N1	LOINC
706155	SARS-CoV-2 (COVID-19) N gene [Cycle Threshold #] in Specimen by Nucleic acid amplification using CDC primer-probe set N2	LOINC
36661371	SARS-CoV-2 (COVID-19) N gene [Log #/volume] (viral load) in Respiratory system specimen by NAA with probe detection	LOINC
715272	SARS-CoV-2 (COVID-19) N gene [Presence] in Nasopharynx by NAA with probe detection	LOINC
36033694	SARS-CoV-2 (COVID-19) N gene [Presence] in Nose by NAA with non-probe detection	LOINC
757678	SARS-CoV-2 (COVID-19) N gene [Presence] in Nose by NAA with probe detection	LOINC
706161	SARS-CoV-2 (COVID-19) N gene [Presence] in Respiratory system specimen by NAA with probe detection	LOINC
586524	SARS-CoV-2 (COVID-19) N gene [Presence] in Respiratory system specimen by Nucleic acid amplification using CDC primer-probe set N1	LOINC
586525	SARS-CoV-2 (COVID-19) N gene [Presence] in Respiratory system specimen by Nucleic acid amplification using CDC primer-probe set N2	LOINC
36661370	SARS-CoV-2 (COVID-19) N gene [Presence] in Saliva (oral fluid) by NAA with probe detection	LOINC
36032258	SARS-CoV-2 (COVID-19) N gene [Presence] in Saliva (oral fluid) by Nucleic acid amplification using CDC primer-probe set N1	LOINC
36033694	SARS-CoV-2 (COVID-19) N gene [Presence] in Saliva (oral fluid) by Nucleic acid amplification using CDC primer-probe set N2	LOINC
586520	SARS-CoV-2 (COVID-19) N gene [Presence] in Serum or Plasma by NAA with probe detection	LOINC
706175	SARS-CoV-2 (COVID-19) N gene [Presence] in Specimen by NAA with probe detection	LOINC
706156	SARS-CoV-2 (COVID-19) N gene [Presence] in Specimen by Nucleic acid amplification using CDC primer-probe set N1	LOINC
706154	SARS-CoV-2 (COVID-19) N gene [Presence] in Specimen by Nucleic acid amplification using CDC primer-probe set N2	LOINC
36661372	SARS-CoV-2 (COVID-19) N gene [#/volume] (viral load) in Respiratory system specimen by NAA with probe detection	LOINC
36033692	SARS-CoV-2 (COVID-19) Nsp2 gene [Presence] in Upper respiratory specimen by NAA with probe detection	LOINC
36033695	SARS-CoV-2 (COVID-19) ORF1ab region [Cycle Threshold #] in Oropharyngeal wash by NAA with probe detection	LOINC
723469	SARS-CoV-2 (COVID-19) ORF1ab region [Cycle Threshold #] in Respiratory system specimen by NAA with probe detection	LOINC
706168	SARS-CoV-2 (COVID-19) ORF1ab region [Cycle Threshold #] in Specimen by NAA with probe detection	LOINC
723478	SARS-CoV-2 (COVID-19) ORF1ab region [Presence] in Respiratory system specimen by NAA with probe detection	LOINC
36031584	SARS-CoV-2 (COVID-19) ORF1ab region [Presence] in Saliva (oral fluid) by NAA with probe detection	LOINC
723464	SARS-CoV-2 (COVID-19) ORF1ab region [Presence] in Specimen by NAA with probe detection	LOINC

conceptId	conceptName	vocabularyId
36033694	SARS-CoV-2 (COVID-19) ORF1ab region [Units/volume] (viral load) in Upper respiratory specimen by NAA with probe detection	LOINC
1617427	SARS-CoV-2 (COVID-19) ORF1a region [Presence] in Respiratory system specimen by NAA with probe detection	LOINC
1616459	SARS-CoV-2 (COVID-19) ORF1a region [Presence] in Saliva (oral fluid) by NAA with probe detection	LOINC
1617198	SARS-CoV-2 (COVID-19) ORF1b region [Presence] in Respiratory system specimen by NAA with probe detection	LOINC
1616849	SARS-CoV-2 (COVID-19) ORF1b region [Presence] in Saliva (oral fluid) by NAA with probe detection	LOINC
586516	SARS-CoV-2 (COVID-19) [Presence] in Specimen by Organism specific culture	LOINC
723471	SARS-CoV-2 (COVID-19) RdRp gene [Cycle Threshold #] in Respiratory system specimen by NAA with probe detection	LOINC
723470	SARS-CoV-2 (COVID-19) RdRp gene [Cycle Threshold #] in Specimen by NAA with probe detection	LOINC
19883768	SARS-CoV-2 (COVID-19) RdRp gene mutation detected [Identifier] in Specimen by Molecular genetics method	LOINC
36031652	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Lower respiratory specimen by NAA with probe detection	LOINC
706160	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Respiratory system specimen by NAA with probe detection	LOINC
36032174	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Saliva (oral fluid) by NAA with probe detection	LOINC
706173	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Specimen by NAA with probe detection	LOINC
36031453	SARS-CoV-2 (COVID-19) RdRp gene [Presence] in Upper respiratory specimen by NAA with probe detection	LOINC
586528	SARS-CoV-2 (COVID-19) RNA [Cycle Threshold #] in Respiratory system specimen by NAA with probe detection	LOINC
586529	SARS-CoV-2 (COVID-19) RNA [Cycle Threshold #] in Specimen by NAA with probe detection	LOINC
715262	SARS-CoV-2 (COVID-19) RNA [Log #/volume] (viral load) in Specimen by NAA with probe detection	LOINC
1091199	SARS-CoV-2 (COVID-19) RNA [Presence] in Bronchoalveolar lavage by NAA with probe detection	LOINC
723476	SARS-CoV-2 (COVID-19) RNA [Presence] in Nasopharynx by NAA with non-probe detection	LOINC
586526	SARS-CoV-2 (COVID-19) RNA [Presence] in Nasopharynx by NAA with probe detection	LOINC
757677	SARS-CoV-2 (COVID-19) RNA [Presence] in Nose by NAA with probe detection	LOINC
36033654	SARS-CoV-2 (COVID-19) RNA [Presence] in Oropharyngeal wash by NAA with probe detection	LOINC
1259611	SARS-CoV-2 (COVID-19) RNA [Presence] in Respiratory system specimen	LOINC
36031238	SARS-CoV-2 (COVID-19) RNA [Presence] in Respiratory system specimen by NAA with non-probe detection	LOINC
706163	SARS-CoV-2 (COVID-19) RNA [Presence] in Respiratory system specimen by NAA with probe detection	LOINC
36661377	SARS-CoV-2 (COVID-19) RNA [Presence] in Respiratory system specimen by Sequencing	LOINC
715260	SARS-CoV-2 (COVID-19) RNA [Presence] in Saliva (oral fluid) by NAA with probe detection	LOINC
715261	SARS-CoV-2 (COVID-19) RNA [Presence] in Saliva (oral fluid) by Sequencing	LOINC
723463	SARS-CoV-2 (COVID-19) RNA [Presence] in Serum or Plasma by NAA with probe detection	LOINC
1092313	SARS-CoV-2 (COVID-19) RNA [Presence] in Specimen	LOINC
706170	SARS-CoV-2 (COVID-19) RNA [Presence] in Specimen by NAA with probe detection	LOINC
36033653	SARS-CoV-2 (COVID-19) RNA [Presence] in Specimen from Donor by NAA with probe detection	LOINC

conceptId	conceptName	vocabularyId
3965194	SARS-CoV-2 (COVID-19) RNA [Presence] in Throat by NAA with non-probe detection	LOINC
1092056	SARS-CoV-2 (COVID-19) RNA [Presence] in Tracheal aspirate by NAA with probe detection	LOINC
3603362	SARS-CoV-2 (COVID-19) S gene codon N501= [Presence] in Specimen by Molecular genetics method	LOINC
3603363	SARS-CoV-2 (COVID-19) S gene codon N501Y [Presence] in Specimen by Molecular genetics method	LOINC
3603365	SARS-CoV-2 (COVID-19) S gene [Cycle Threshold #] in Oropharyngeal wash by NAA with probe detection	LOINC
723467	SARS-CoV-2 (COVID-19) S gene [Cycle Threshold #] in Respiratory system specimen by NAA with probe detection	LOINC
723468	SARS-CoV-2 (COVID-19) S gene [Cycle Threshold #] in Specimen by NAA with probe detection	LOINC
3603366	SARS-CoV-2 (COVID-19) S gene mutation detected [Identifier] in Specimen by Molecular genetics method	LOINC
3603367	SARS-CoV-2 (COVID-19) S gene mutation [Presence] in Specimen by Molecular genetics method	LOINC
723465	SARS-CoV-2 (COVID-19) S gene [Presence] in Respiratory system specimen by NAA with probe detection	LOINC
3603123	SARS-CoV-2 (COVID-19) S gene [Presence] in Respiratory system specimen by Sequencing	LOINC
3603360	SARS-CoV-2 (COVID-19) S gene [Presence] in Saliva (oral fluid) by NAA with probe detection	LOINC
586519	SARS-CoV-2 (COVID-19) S gene [Presence] in Serum or Plasma by NAA with probe detection	LOINC
723466	SARS-CoV-2 (COVID-19) S gene [Presence] in Specimen by NAA with probe detection	LOINC
3603194	SARS-CoV-2 (COVID-19) specific TCRB gene rearrangements [Presence] in Blood by Sequencing	LOINC
3603361	SARS-CoV-2 (COVID-19) variant interpretation in Specimen Narrative	LOINC
1989038	SARS-CoV-2 (COVID-19) variant [Type] in Specimen by NAA with probe detection	LOINC
3603364	SARS-CoV-2 (COVID-19) variant [Type] in Specimen by Sequencing	LOINC
586517	SARS-CoV-2 (COVID-19) whole genome [Nucleotide sequence] in Isolate or Specimen by Sequencing	LOINC
43009190	SARS-CoV-2 molecular test negative	MedDRA
43011273	SARS-CoV-2 molecular test positive	MedDRA
43009580	SARS-CoV-2 PCR test negative	MedDRA
43009160	SARS-CoV-2 PCR test positive	MedDRA
43011158	SARS-CoV-2 rapid diagnostic test	MedDRA
43010831	SARS-CoV-2 rapid POC test	MedDRA
43010657	SARS-CoV-2 rapid POC test negative	MedDRA
43010480	SARS-CoV-2 rapid POC test positive	MedDRA
35327554	SARS-CoV-2 RNA decreased	MedDRA
35328179	SARS-CoV-2 RNA fluctuation	MedDRA
35327660	SARS-CoV-2 RNA increased	MedDRA
35326954	SARS-CoV-2 RNA undetectable	MedDRA
37172434	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) antigen in serum qualitative result	SNOMED
1989453	SARS-CoV-2 stimulated gamma interferon [Interpretation] in Blood Qualitative	LOINC
3603196	SARS-CoV-2 stimulated gamma interferon [Presence] in Blood	LOINC
3603195	SARS-CoV-2 stimulated gamma interferon release by T-cells [Units/volume] corrected for background in Blood	LOINC
3603236	SARS-CoV-2 stimulated gamma interferon release by T-cells [Units/volume] in Blood	LOINC
43009133	SARS-CoV-2 test false negative	MedDRA
43010992	SARS-CoV-2 test false positive	MedDRA
43009122	SARS-CoV-2 test negative	MedDRA

conceptId	conceptName	vocabularyId
43009824	SARS-CoV-2 test positive	MedDRA
35327184	SARS-CoV-2 viral load decreased	MedDRA
35328189	SARS-CoV-2 viral load fluctuation	MedDRA
35327334	SARS-CoV-2 viral load increased	MedDRA
35327990	SARS-CoV-2 viral load undetectable	MedDRA
1761447	Volatile Organic Compounds associated with SARS-CoV-2 infection [Presence] in Exhaled gas by Gas chromatography-mass spectrometry	LOINC