Logica has released the first iteration of a COVID-19 FHIR Implementation Guide 0.2.0. Lisa R. Nelson posted on Apr 05, 2020. The implementation guides provide FHIR profiles for COVID-19 related data and is available for reference AT NO COST.

In the message I received announcing the availability of this work Logica states, "Our goal is to provide immediate help in the current crisis, not in 6 months from now, so we are publishing artifacts as soon as possible, recognizing they will not be perfect or comprehensive, but useful. With feedback from early reviews and implementations we will iteratively publish corrections and additional content, as fast as we can."

The work is copyrighted by Logica with all rights reserved. However, all assets are available under Open Source license free of charge and are targeted at health systems and HIT implementors to rapidly produce semantically interoperable solutions across vendor platforms. The models are provided without warranty or guarantee of accuracy, completeness, or fit for purpose. Initial assets include clinically prioritized:

- FHIR R4 profiles.
- Value sets using proper LOINC, SNOMED, and vendor agnostic codes.

Initial focal categories are:

- Demographics
- Organizational Data
- Vital Signs
- Exposure History
- Symptoms
- Diagnostics Tests (labs, O2 sat..)
- Diagnosis

Logical is seeking additional feedback on their work.

Click here for the COVID-19 FHIR IG 0.2.0

Click here to Provide Feedback

Join the Discussion Group

GitHub Repository

Here's more information on who Logica is:

Logica Sandbox and Gallery, formerly known as HSPC (the Healthcare Services Platform Consortium) Sandbox and Gallery.

Mailing address is:

Logica
The official guidelines for the new ICD-10-CM code go into effect today through Sept. 30 and have been posted by the Centers for Disease Control. These codes will help capture and report surveillance data for the virus. The AHA was in close communication with CDC to move the original October implementation earlier and collaborated on the development of the coding guidelines.

Everyone seems to have a COVID-19 resource page, so in case you need more of those, here is the one from CLSI:


List of Vaccines and Treatments currently in development.


ONC has posted a blog about adding Covid-19 Projects to the Interoperability Proving Ground https://www.healthit.gov/buzz-blog/interoperability/calling-all-covid19-health-it-projects

If you know of any Covid-19 specific projects please add and/or share this link https://www.healthit.gov/techlab/ipg/?tag=COVID-19

COVID-related Activities in the USA:

Thanks to Walter Suarez for supplying these additional COVID-related efforts taking place in the US:

- COVID-19 Healthcare Coalition:

- AHRQ

- ONC HITAC Formation of a COVID Task Force

- ONC COVID Resource Page
  - https://www.healthit.gov/coronavirus

During this pandemic, those on the front lines—including health care professionals, researchers, and more—need quick, easy access to real-time critical data. This type of information exchange is what APIs do best, and as an API-first company, Postman is committed to providing whatever assistance we can in this area. Specifically, we've created a web page displaying API resources including a list of API collections that can help in the COVID-19 fight.
Information sent via email from The Postman Team on Thursday, March 26, 2020.

Forwarded to Lisa Nelson from Linda Michaelsen.

LaVerne Perlie MSN, BSN, RN serves in the role of Nurse Consultant- DHHS/ONC/OPOL for the Interoperability Systems Branch of US Health and Human Services. Her email is: LaVerne.Perlie@hhs.gov

LaVerne Perlie MSN, BSN, RN announced today that ONC has listed applicable terminologies for COVID-19 tests and coded results in the Interoperability Standards Advisory (ISA) (click link) https://www.healthit.gov/isa/covid-19. These include terms recently released by LOINC, SNOMED and CPT, and others.

This information was provided by @Swapna Abhyankar

LaVerne Perlie MSN, BSN, RN

LOINC SARS-CoV-2 FAQ and SARS-CoV-2 Terms
Lisa R. Nelson posted on Mar 23, 2020
Here's a link to a dedicated LOINC SARS-CoV-2 FAQ: https://loinc.org/sars-coronavirus-2/
And LOINC prerelease terms, with all of the SARS-CoV-2 terms at the top: https://loinc.org/prerelease

This information was provided by @Swapna Abhyankar

COVID-19 FHIR IG - Who can help create an HL7 example library, profiles and templates?
Susan Matney posted on Mar 23, 2020
Are any of you aware of any FHIR IG development related to COVID-19? Logica is willing to create an IG and want to make sure that we are not replicating efforts. Profiles we are thinking to include are:

1. Labs
2. Signs and Symptoms
3. Pertinent Demographics

We could have the FHIR profiles created quickly if that's something we can do. If you want to be involved in the development, reply here and indicate how you would like to be involved. Thanks...Susan

Susan A. Matney, PhD, RNC-OB, FAAN, FACMI, FHIMSS
Office +1 (801) 447-9294 | Cell: +1 (801) 680-2161
email: susan.matney@imail.org
6 Comments

eHI provides members with a directory of recently posted COVID-19 Resources.
Lisa R. Nelson posted on Mar 21, 2020
On Saturday, March 21, 2020, the eHealth Initiative sent a message to its members with a list of resources that may be useful to people tackling the coronavirus public health emergency.

Repeating them here for amplification.

- **AHIMA** - New ICD-10-CM Code for COVID-19 (Link)

- **AAFP (AMERICAN ACADEMY OF FAMILY PHYSICIANS)** - AAFP Raises Pressure for Federal Response to COVID-19 (Link)
• ACOG - Are Pregnant Women at Increased Risk for COVID-19? (Link)

• ACS (AMERICAN CANCER SOCIETY) - American Cancer Society Suspends All Events until Mid-May (Link)

• AllSCRIPTS - How to Streamline Telehealth Implementation for Safer COVID-19 Patient Encounters (Link)

• AMAZON WEB SERVICES - Can Cloud Computing Cope With COVID-19 Demands? (Link)

• AHA (AMERICAN HEART ASSOCIATION) - What Heart Patients Should know about COVID-19 (Link)

• AMERICAN COLLEGE OF RADIOLOGY - Expert Radiologists Developing an AI Solution to Detect COVID-19 (Link)

• AMERICAN COLLEGE OF PATHOLOGISTS (ACP) - COVID-19: An ACP Physician's Guide (Link)

• BCBS (Blue Cross and Blue Shield) - Companies Announce Coverage of COVID-19 Testing for All Members (Link)

• BOOZ ALLEN HAMILTON - NIH Selects Booz Allen to Provide Services to Support Infectious Disease Research like COVID-19. (Link)

• CERNER - Cerner's approach to the COVID-19 pandemic (Link)

• CHANGE HEALTHCARE - As the COVID-19 Evolves, Change Healthcare Mobilizes Task Force to Take Swift Action to Protect Your Data. (Link)

• CHRISTUS HEALTH - CHRISTUS Health Statement Regarding COVID-19? (Link)

• COLORADO RHIO - While Practicing Social Distancing CORHIO Remains Fully Operational--Providing Uninterrupted Data Exchange for Colorado. (Link)

• EHNAC - EHNAC's Executive Director, Lee Barrett, Comments on Finalization of HHS Rules on Interoperability and Data Blocking Regulations (Link)

• ELI LILLY - Lilly Co-develop Antibody Therapies for the Treatment of COVID-19 (Link)

• FITBIT - Fitbit Has the Ability to Track Spread of COVID-19 in Real Time (Link)

• GOOGLE CLOUD - Google Cloud Cancels its Next Conference Due to COVID-19 (Link)

• HEALTH CATALYST - Health Catalyst Announces Three COVID-19 Solutions for U.S. Clients at No Incremental Cost for the Remainder of This Year. (Link)

• HEALTH CURRENT - How Health Current is Helping During the COVID-19 Crisis (Link)
- HEALTHIX - Healthix Releases a List of Participants Currently Testing For COVID-19 (Link)

- HOGAN LOVELLS - “Families First Coronavirus Response Act” Could Mean Massive Changes for Employers Nationwide (Link)

- INOVALON - How Inovalon is Responding to COVID-19 (Link)

- INTERSYSTEMS - Intersystems Provides Hospitals with Functionality to Screen for COVID-19 with TrakCare. (Link)

- LEXISNEXIS - Lexis Practice Advisor ® has developed a Coronavirus Resource Kit. (Link)

- LIFEWIRE - Deploying Telehealth for COVID-19? (Link)

- MARSHFILED CLINIC - COVID-19: What You Need to Know (Link)

- MAYO CLINIC - COVID-19: Flattening the Curve (Link)

- MGMA - MGMA COVID-19 Action Center  (Link)

- NATIONAL ALLIANCE OF HEALTH CARE COALITIONS - Employer Town Hall on the Coronavirus (Link)

- NORTHWELL HEALTH - Staring Down the Coronavirus (Link)

- OHIO HEALTH - Ohio Health Officials Address Mental Health During COVID-19 Pandemic (Link)

- PROVIDENCE ST. JOSEPH - Providence St. Joseph Health Offers Coronavirus Lessons from Treating ‘Patient One’ in the U.S. (Link)

- STRATEGIC INTERESTS - COVID-19 Monitoring and Surveillance Solution (Link)

- UCHICAGO MEDICINE - Coronavirus Disease 2019 (COVID-19) Information and Resources (Link)

- UNITED HEALTHCARE (UHC) - Helping You Stay Informed About Coronavirus (Link)

- WELLMARK - Important Health Plan Benefits Updates Regarding COVID-19 (Link)  

- ZIPNOSIS - Find Out Your Risk Level of Contracting COVID-19 Zipnosis. (Link)
CPT® Category I Pathology and Laboratory Code for Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) (Coronavirus disease [COVID-19])

CPT
87635
Effective
Mar 13, 2020

A child code beneath the parent code for microbiology procedures 87471

Short: SARS-COV-2 COVID-19 AMP PRB

Medium: IADNA SARS-COV-2 COVID-19 AMPLIFIED PROBE TQ

Long: 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

AMA CPT COVID-19 coding and guidance

Quick reference flow chart for CPT reporting for COVID-19 testing (PDF)

Coding scenarios and how to apply best coding practices (PDF)

CPT® releases new coronavirus (COVID-19) code & description for testing

AMA Fact Sheet: Reporting Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV-2) Laboratory Testing

- Manual upload of code descriptor into EHR
- CPT code 87635 will be part of the complete CPT code set in the data file for 2021
- Microbiology subsection of the Pathology and Laboratory section
- Long code descriptor note: Code 87635 will be a child code under parent code 87471
- It is represented here as the full long descriptor including the language from parent code 87471
- Conversely, if the payer requires use of the HCPCS Level II code, the HCPCS Level II code should be reported. CPT and HCPCS codes should not both be reported on the same claim

HCPCS is a standardized coding system that Medicare and other health insurers use to submit claims for services provided to patients.


|---------|----------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|

Coverage and Payment Related to COVID-19 Medicare

- Medicare claims processing will accept claims with U0001 and U0002 starting on Apr 1 2020, for dates of service on or after Feb 4 2020
- If the claim is submitted to a payer that requires CPT codes, then code 87635 should be reported. Conversely, if the payer requires use of the HCPCS Level II code, the HCPCS Level II code should be reported.
- CPT and HCPCS codes should not both be reported on the same claim

Labs > Quest Diagnostics > COVID-19
Sheila Connelly posted on Mar 21, 2020

Quest Diagnostics’ test is a molecular based assay which detects viral RNA in respiratory specimens.
Learn More

Test Code 39433 - SARS-CoV-2 RNA, Qualitative Real-Time RT-PCR (polymerase chain reaction)

Our Response to Coronavirus Disease 2019 (COVID-19)?

Fact Sheet for Healthcare Providers

Billing

CPT® releases new coronavirus (COVID-19) code & description for testing, effective Mar 13 2020: 87635


Sheila Connelly posted on Mar 21, 2020
LabCorp made its COVID-19 test available on Thursday, March 5, 2020.

Panel to Order: 139900
LabCorp 2019 Novel Coronavirus (COVID-19), NAA
Methodology: Nucleic Acid Amplification (NAA)

Learn More

Q&A: LabCorp's Testing for COVID-19
https://www.labcorp.com/assets-media/2330

- COVID-19 tests performed by LabCorp are qualitative assays using PCR technology (polymerase chain reaction)
- Beginning Mon Mar 16 2020, LabCorp is performing the Roche test for COVID-19
- Tests have the same test code, 139900

Sample Report, 139900
https://files.labcorp.com/testmenu-d8/sample_reports/139900.pdf

Information from LabCorp about Coronavirus Disease 2019 (COVID-19)

- LabCorp announced that it will be able to perform more than 20,000 COVID-19 tests per day beginning Friday, March 20, ahead of its original schedule.
- LabCorp is now performing COVID-19 testing at its labs in Phoenix, Ariz., Burlington, N.C., and Raritan, N.J.

Billing

CPT® releases new coronavirus (COVID-19) code & description for testing, effective Mar 13 2020: 87635


Sheila Connelly posted on Mar 21, 2020
Great information on COVID-19 Labs from the Association of Public Health Laboratories (APHL)

COVID-19 HL7 Data Messaging FAQs
Tested link on Mar 25 2020 and PDF no longer available; cannot locate.


See bottom of Page 2/top of Page 3 for **ORU_R01 COVID-19 sample messages** (2.5.1 and 2.3.1) for four scenarios:

1) Inconclusive  
2) Not Detected  
3) SpmUnsat (specimen unsatisfactory)  
4) Detected

**Message segments are:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Segment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSH</td>
<td>Message Header</td>
<td></td>
</tr>
<tr>
<td>PID</td>
<td>Patient Identification</td>
<td></td>
</tr>
<tr>
<td>ORC</td>
<td>Order Common</td>
<td></td>
</tr>
<tr>
<td>OBR</td>
<td>Observation Request</td>
<td></td>
</tr>
<tr>
<td>OBX</td>
<td>Observation Result</td>
<td></td>
</tr>
<tr>
<td>NTE</td>
<td>Note</td>
<td></td>
</tr>
<tr>
<td>SPM</td>
<td>Specimen</td>
<td></td>
</tr>
</tbody>
</table>

International Classification of Diseases, Tenth Revision (ICD-10)

Emergency ICD-10 diagnosis code of **U07.1** assigned to the **disease diagnosis COVID-19**.

Effective in USA as of 4/1/2020 - unprecedented off-cycle update

An updated **ICD-10 MS-DRG GROUPER** software package to accommodate the new ICD-10-CM diagnosis code, U07.1, COVID-19, replaces the GROUPER software package V37.1.

Emergency use ICD codes for COVID-19 disease outbreak

https://www.cdc.gov/nchs/icd/icd10cm.htm


ICD-10 COVID-19 Codes


<table>
<thead>
<tr>
<th>ICD-10 Code</th>
<th>Diagnosis COVID-19</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B97.29</td>
<td>Confirmed COVID-19</td>
<td>Other coronavirus as the cause of diseases classified elsewhere</td>
</tr>
<tr>
<td>B97.29 + J12.89</td>
<td>Pneumonia</td>
<td>Other viral pneumonia</td>
</tr>
<tr>
<td>B97.29 + J20.8</td>
<td>Acute Bronchitis</td>
<td>Acute bronchitis due to other specified organisms</td>
</tr>
<tr>
<td>B97.29 + J40</td>
<td>Bronchitis</td>
<td>Bronchitis, not specified as acute or chronic</td>
</tr>
<tr>
<td>B97.29 + J22</td>
<td>Acute Lower Respiratory Infection</td>
<td>Unspecified acute lower respiratory infection</td>
</tr>
<tr>
<td>B97.29 + J98.9</td>
<td>Lower Respiratory Infection</td>
<td>Respiratory disorder, unspecified</td>
</tr>
<tr>
<td>B97.29 + J80</td>
<td>ARDS</td>
<td>Acute respiratory distress syndrome</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Exposure COVID-19</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z03.818</td>
<td>Exposure Concern Ruled Out</td>
<td>Encounter for observation for suspected exposure to other biological agents ruled out</td>
</tr>
<tr>
<td>Z20.828</td>
<td>Exposure Actual</td>
<td>Contact with and (suspected) exposure to other viral communicable diseases</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Signs and Symptoms</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R05</td>
<td>Cough</td>
<td>Cough</td>
</tr>
<tr>
<td>R06.02</td>
<td>Shortness of breath</td>
<td>Shortness of breath</td>
</tr>
</tbody>
</table>
NCQA has announced changes to their Accreditation process in response to the COVID-19 crisis.

Changes apply to the March-September 2020 timeframe for any future surveys and include:

- Practitioners who provide care during a public health emergency.
- CMS 1135 waivers for state licensing.
- Schedule extensions and grace periods for certain requirements.

Get more information here: https://www.ncqa.org/covid/

Looking for codes you can use to create discrete data related to the diagnosis, admission/discharge, treatment, and surveillance of coronavirus?

There is a very helpful post on Grahame Grieve's website that was created with lots of input from various people. Thanks to all! http://www.healthintersections.com.au/?p=2988

It was posted on March 12th, 2020.

The CDA Examples Task force is also working on an example that shows how to record coronavirus screening results. Watch for that to be released in the near future here: http://hl7-c-cda-examples.herokuapp.com/

Under the Results Section.

To create a blog post:

1. Select the Blue ellipsis at top center.
2. Select "Show More"
3. Select "Blog Post"

NOTE: Don't forget to publish when complete.
COVID-19 Response

This space/blog is intended to be used in conjunction with COVID-19 Response Stream and is intended to be a persistent housing for documents and links. Please facilitate discussion on the chat.fhir.org stream and link/post any relevant information here so that it may be more easily seen and shared now and in the future.