

Life During COVID-19 Digital Library Collection  
Metadata Schema Application Profile

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# 1 Introduction

*Life During COVID-19* is a collection of internet-based media and datasets that reflect American reactions and outcomes related to the COVID-19 pandemic of 2019-2020. This collection aims to capture a snapshot of daily life during the pandemic as it showcases elements of political, social, economic, and individualistic life through select sampling from Twitter, YouTube, businesses and government websites, and open data websites. *Life During COVID-19* provides access to a variety of materials including picture files (jpg/png), video files (mp4), articles or announcements from websites (html/pdf), and datasets generated from social networking websites and downloaded from open data websites (csv). Through this collection future generations will be able to witness and come to a greater understanding of the social environment during the COVID-19 pandemic.

This collection will be available as a digital library for use by potential users, which include

1. Medical researchers who may access the data in the collection to gain specific knowledge from the pandemic including the period of the outbreak, the mortality rates, methods of treatments, etc.
2. Sociologists who may access the materials to research the social response and the toll on people in the United States as a whole and on people from specific economic or racial/ethnic groups.
3. Health care providers may access the library for information on medical procedures related to COVID-19 care.
4. Historians may access the library to research and inform future generations about how the United States—its government, health care institutions, and general public—handled the pandemic.
5. People may access the library to learn how to protect themselves and others, e.g., washing hands, making masks, social distancing, etc.

The expertise of these user groups varies greatly from person to person. Users may be seeking more information about the virus and how to protect themselves, and others may be seeking structured and unstructured data for research. This application attempts to provide access to the collection in ways that meet the needs of all users.

## 2 Functional Requirements

### 2.1 Resource Discovery and Information Retrieval

The items in the *Life During COVID-19* collection are different from each other in a variety of ways. In order to assist users in discovery and information retrieval, the application profile must identify and employ these differences.

The properties that effect whether or not users discover items of interest within the collection are outlined in the following table.

Property	Description
Audience	The audience refers to the group of people for whom the item was originally created. For example, the collection consists of items created for the public, health professionals, employers, etc. Items for the public include instructions on how to stay safe, interviews with public figures about returning to normal life, government announcements and policies, etc. Items for health professionals include instructions on donning/doffing PPE, therapeutic techniques, etc. Items for employers include guidelines or policies on food preparation, health tips on control and disease prevention, etc.
Category	The category refers to what the item <i>is</i> . The collection consists of factual articles and infographics about the coronavirus and COVID-19, documentation for datasets (data dictionaries or codebooks), datasets, instructions, news, misinformation, opinion articles and tweets, personal narratives, medical treatments, etc.
Country	The items in this collection are about life in the United States of America during the COVID-19 pandemic. The scope of the collection may be expanded in the future to include items about life in other countries.
File format	The items in the collection come in may formats including webpages in html and pdf, image, video, audio, and csv files.
Language	The items in the collection may be written or spoken in English or in a language other than English such as Spanish or American Sign Language.
Organization type	The organization type refers to the type of organization that is responsible for the creation and/or publication of the item. The collection consists of items created by government agencies, institutions of higher education, health care providers, for-profit and nonprofit organizations, news organizations, school districts, subject-matter experts, etc.

Property	Description
Geographic location	The items in the collection often originate from specific geographic areas, and thus, reflect the beliefs or experiences of people from that area.
Topic	The topic refers to what the item <i>is about</i> . The items in the collection may be about anything relating to life during the pandemic, e.g., isolation, job loss, death, hope, infection control, etc.

The goal of the application profile for the *Life During COVID-19* collection is to document these properties in the metadata so users can discover items based on them.

## 2.2 Linking to Related Resources

Any item in the *Life During COVID-19* collection may be related to another item. These items should be linked together so users can retrieve related items after discovering and retrieving an item with links.

## 2.3 Resource Management

The administrative needs that should be addressed by the application profile are outlined in the following table.

Administrative Need	Purpose
Record the creator(s), publisher(s), and contributor(s)	Provenance
Record the URI of original access	Bibliographic and provenance
Record the publication date	Provenance
Record the date the item was accessed from the bibliographicCitation URI	Bibliographic and provenance
Record the copyright date	Bibliographic and provenance
Record the file format	Technological
Uniquely identify the item as the item's path or filename	Management, direct access, and linking
Organize all items in the collection under one collection-level root element	Organization
Organize all item-specific metadata under one item-level root element	Organization
Record the language	Provenance and technological

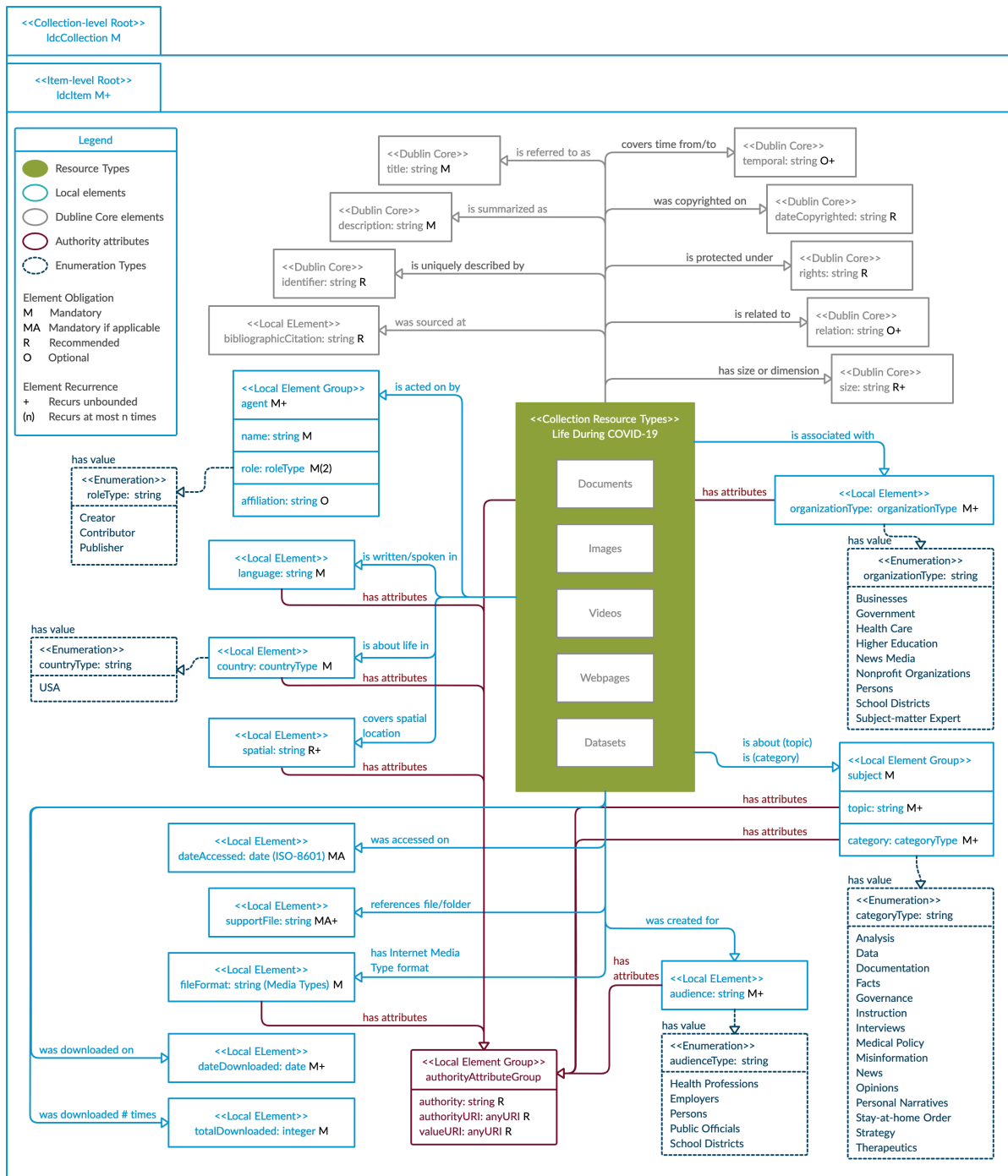
Administrative Need	Purpose
Record a link to rights information about the item	Rights
Record the file size or dimensions	Technological

## 2.4 Resource Usage

The usage needs that should be addressed by the application profile are outlined in the following table.

Usage Need	Purpose
Record of the total number of downloads	History/patterns of use
Record of the date of each download	History/patterns of use

### 3 Conceptual Model



## 4 Application Profile

### 4.1 Namespace Overview

The metadata schema for *Life During COVID-19* is comprised of elements from two schemas:

- Dublin Core Metadata Initiative (DCMI) Metadata Terms, referred to as dc-terms
- Life During COVID-19 Metadata Terms, referred to as ldcv-terms

The following namespaces are defined for this schema:

Prefix	Namespace
dc	DCMI Metadata Terms (dc-terms)
ldcv	<i>Life During COVID-19</i> Local Terms (ldcv-terms)

#### 4.1.1 DC-Terms

DCMI Metadata Terms used for this collection are described briefly in the table below. More detailed descriptions of these terms and how they are used in the *Life During COVID-19* schema are provided in section 4.2, Elements and Attributes.

Name	Description
bibliographicCitation	Bibliographic citation information; includes URI for born-digital items acquired from the Internet
dateCopyrighted	Date copyrighted
description	Description of the item
identifier	Unique pathname/filename for item retrieval
relation	Identifies a related item by the item's identifier
rights	Link to rights information
size	File size or dimensions
temporal	Time span covered
title	Title of the item

#### 4.1.2 LDCV-Terms

The ldcv-terms elements provide descriptive and administrative information that is specific to the resources within the collection. Some of the elements within this locally defined schema share their name and overall purpose with Dublin Core elements. However, these elements are defined locally for the purpose of enforcing specific qualifiers, i.e., they impose restrictions on data entry that DCMI does not impose on the corresponding dc-terms



elements. The following table provides a brief description of each ldcv-term. More detailed descriptions of these terms and how they are used in the *Life During COVID-19* schema are provided in section 4.2, Elements and Attributes.

#### 4.1.2.1 Elements

Name	Description
agent	Empty parent element of name, role, affiliation child elements
affiliation	Affiliation of the named agent, if applicable
category	Specifies what an item is, e.g., news, opinion, interview, instruction, documentation, etc.
country	Associated country (United States)
dateAccessed	Date accessed at bibliographicCitation
dateCopyrighted	Date published
fileFormat	MIME format of file
language	Spoken or written language of the item
ldcCollection	Collection-level root element
ldcItem	Item-level root element
name	Name of an acting agent
organizationType	Organization type associated with the creator or publisher (agent)
role	Role of the named agent
subject	Empty parent element of topic and category child elements
spatial	Associated geographic location
supportFile	File name for associated file, if applicable
topic	Specifies what an item is about

#### 4.1.2.2 Attributes

The authority attribute group, inspired by the MODS authority attributes, defines three attributes that are available and recommended for several ldcv-terms that require controlled vocabularies. These attributes link the vocabulary term to a thesaurus allowing the application to provide additional insight about a term or to discover collection items that employ a synonym of the term used in the search. The table below provides a brief description of each attribute.

Name	Description
authority	Name of the controlled vocabulary or thesaurus
authorityURI	URI to the controlled vocabulary or thesaurus
valueURI	URI to the selected term from the vocabulary or thesaurus

The following metadata elements, which require the use of controlled vocabularies, accept these authority attributes.

- audience
- category
- fileFormat
- language
- organizationType
- spatial
- topic

## 4.2 Elements and Attributes

This section describes each element of the collection in detail. First, a section on the element documentation format is included to explain the information provided for each element.

### 4.2.1 Documentation Format

The following table explains the format of the element descriptions.

Term Name	
<b>Schema</b>	<p>This term is classified into Local term or Dublin Core term. A Schema will be designated as one of the following:</p> <ul style="list-style-type: none"> <li>• Local</li> <li>• Dublin Core</li> </ul>
<b>Term Type</b>	<p>Define the type of the term. A term will be designated as one of the following:</p> <ul style="list-style-type: none"> <li>• Collection-level root</li> <li>• Item-level Root</li> <li>• Element</li> <li>• Attribute</li> </ul>

Term Name	
<b>Data type</b>	Indicates the data type of the term as one of the following: <ul style="list-style-type: none"> <li>• String</li> <li>• Date</li> <li>• Integer</li> <li>• Float</li> <li>• URI</li> <li>• Parent element</li> </ul>
<b>Child element(s)</b>	For elements, lists the immediate child elements if the element is a parent element and specifies 'None' otherwise.
<b>Parent element</b>	For elements, lists the immediate parent element if the term is a child element and specifies 'None' otherwise. For attributes, lists the elements that accept the attribute.
<b>Defined for</b>	For attributes, lists elements that accept the specified attribute.
<b>Authority attribute group</b>	Indicates whether authority attribute group is defined for the term, and if it is, specifies the obligation.
<b>Purpose</b>	Indicates the purpose of the term.
<b>Obligation</b>	Indicates whether or not a value must be entered. An obligation will be designated as one of the following: <ul style="list-style-type: none"> <li>• <i>Mandatory</i> means that a value must be entered</li> <li>• <i>Recommended</i> means that a value is recommended to be included if it is available</li> <li>• <i>Optional</i> means that it is not mandatory to include a value for this element</li> </ul>
<b>Occurrence (n or min-max)</b>	Indicates the number of times this term can occur. Occurrence will be designated as one of the following: <ul style="list-style-type: none"> <li>• n (e.g., 1)</li> <li>• min-max (e.g., 1-unbounded)</li> </ul>
<b>Guidelines and description</b>	Outlines the guidelines and description for using this term.
<b>Allowed values, standards, examples, other constraints</b>	Specifies allowed values and examples that illustrate how to use this term.

## 4.2.2 Elements

### 4.2.2.1 Agent

agent	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	Parent element
<b>Child Element(s)</b>	name, role, affiliation
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive and administrative
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1-unbounded
<b>Guidelines and description</b>	Enclose name, role, and affiliation elements within this element.
<b>Allowed values, standards, examples, other constraints</b>	No text value

4.2.2.2 *Affiliation*

affiliation	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	agent
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive and administrative
<b>Obligation</b>	Optional
<b>Occurrence (n or min-max)</b>	0-unbounded
<b>Guidelines and description</b>	Enter the name(s) of the organization(s) with which the creator is affiliated.
<b>Allowed values, standards, examples, other constraints</b>	Free Text <i>Examples:</i> American Library Association, Mutter Museum, University of Pittsburgh

## 4.2.2.3 Audience

audience	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	audienceType ( <i>Enumerated list of string values:</i> Health Professions, Employers, Public Officials, Persons, School Districts)  See Audience Type for detailed value definitions.
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Recommended
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1-unbounded
<b>Guidelines and description</b>	Enter the audience for whom the item was originally created.
<b>Allowed values, standards, examples, other constraints</b>	<i>Example:</i> Health Professions

## 4.2.2.4 Bibliographic Citation

bibliographicCitation	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive and administrative
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enter bibliographic information to cite the item. For digital items sourced from the Internet, enter URI where the item was originally published.
<b>Allowed values, standards, examples, other constraints</b>	Free text <i>Example:</i> <a href="https://www.youtube.com/watch?v=Bt8ZboddCB4">https://www.youtube.com/watch?v=Bt8ZboddCB4</a>

4.2.2.5 *Category*

category	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	<p>categoryType (<i>Enumerated list of string values: Analysis, Data, Documentation, Facts, Governance, Instruction, Interviews, News, Medical Policy, Misinformation, Opinions, Personal Narratives, Stay-at-home Order, Strategy, Therapeutics</i>)</p> <p>See Each of the above values is taken from a controlled vocabulary.</p> <p>Category Type for detailed value definitions.</p>
<b>Child Element(s)</b>	None
<b>Parent Element</b>	Subject
<b>Authority attribute group</b>	Recommended
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1-unbounded
<b>Guidelines and description</b>	Enter category term to describe the category of the item.
<b>Allowed values, standards, examples, other constraints</b>	<i>Examples: Facts</i>



## 4.2.2.6 Country

country	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	countryType ( <i>Enumerated list of string value: USA</i> ) See Country Type for a detailed value definition.
<b>Child Element(s)</b>	None
<b>Parent Element</b>	IdcItem
<b>Authority attribute group</b>	Recommended
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enter 'USA' (scope of collection at present time).
<b>Allowed values, standards, examples, other constraints</b>	ISO-3166-3 <i>Example: USA</i>

4.2.2.7 *Date Accessed*

dateAccessed	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	Date
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Administrative
<b>Obligation</b>	Mandatory if applicable
<b>Occurrence (n or min-max)</b>	0-1
<b>Guidelines and description</b>	Enter date the original item was referenced at Source URI (Applicable for Internet sourced items).
<b>Allowed values, standards, examples, other constraints</b>	ISO 8601  <i>Examples:</i> 2020, 2020-05, 2020-06-16

4.2.2.8 *Date Copyrighted*

dateCopyrighted	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	IdcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Administrative
<b>Obligation</b>	Recommended
<b>Occurrence (n or min-max)</b>	0-1
<b>Guidelines and description</b>	Enter the date the item was copyrighted (published).
<b>Allowed values, standards, examples, other constraints</b>	ISO 8601 <i>Examples:</i> 2020, 2020-05, 2020-06-16

4.2.2.9 *Date Downloaded*

dateDownloaded	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	Date
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Administrative
<b>Obligation</b>	Mandatory if applicable (first instance added at first download)
<b>Occurrence (n or min-max)</b>	0-unbounded
<b>Guidelines and description</b>	System enters date/time of download.
<b>Allowed values, standards, examples, other constraints</b>	ISO 8601 <i>Examples:</i> 2007-04-05T12:30-02:00

#### 4.2.2.10 Description

description	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Compose a brief description/summary of the content of the item.
<b>Allowed values, standards, examples, other constraints</b>	<p>Free text</p> <p><i>Example:</i> Dataset containing estimated distributions of COVID-19 deaths and population size by race and Hispanic origin.</p>

## 4.2.2.11 File Format

fileFormat	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Recommended
<b>Purpose</b>	Descriptive and administrative
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enter the Internet media type and file extension.
<b>Allowed values, standards, examples, other constraints</b>	Internet Media Types (MIME) <i>Examples:</i> application/pdf, video/mp4, text/csv, image/jpeg

## 4.2.2.12 Identifier

identifier	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	IdcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Administrative
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enter unambiguous reference to item. For digital items, enter the filename, URI, or DOI.
<b>Allowed values, standards, examples, other constraints</b>	Filename, International Standard Book Number (ISBN), Digital item Identifier (DOI), and Uniform Resource Name (URN)  <i>Example:</i> AvestaRastan_COVID_RGB_v04.png

4.2.2.13 *Language*

language	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	IdcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Administrative and descriptive
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enter the primary written or spoken language of the item.
<b>Allowed values, standards, examples, other constraints</b>	ISO 639-3 <i>Examples:</i> ase, eng, spa



#### 4.2.2.14 Ldc Collection

ldcCollection	
<b>Schema</b>	Local
<b>Term Type</b>	Collection-level root
<b>Data type</b>	Parent element
<b>Child element(s)</b>	ldcItem
<b>Parent element</b>	None
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Administrative
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enclose all metadata within this element.
<b>Allowed values, standards, examples, other constraints</b>	None

4.2.2.15 *Ldc Item*

ldcItem	
<b>Schema</b>	Local
<b>Term Type</b>	Item-level root
<b>Data type</b>	Parent element
<b>Child element(s)</b>	agent, audience, bibliographicCitation, country, dateAccessed, dateCopyrighted, description, fileFormat, identifier, language, organizationType, relation, rights, size, spatial, subject, supportFile, temporal, title
<b>Parent element</b>	ldcCollection
<b>Authority attribute group</b>	Not defined
<b>Recurrence</b>	Unbounded
<b>Purpose</b>	Administrative
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1-unbounded
<b>Guidelines and description</b>	Enclose all metadata within this element.
<b>Allowed values, standards, examples, other constraints</b>	None

4.2.2.16 *Name*

name	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	agent
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive and administrative
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enter the name of the responsible entity.
<b>Allowed values, standards, examples, other constraints</b>	<p>Free text in the format &lt;last name, first name, professional title&gt; for name of person and &lt;ldcv:name&gt; for name of organizations or YouTube channel names</p> <p><i>Examples:</i> Fawcett, Emily, RN; National Center for Health Statistics</p>

## 4.2.2.17 Organization Type

organizationType	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	organizationType ( <i>Enumerated list of string values:</i> Businesses, Government, Health Care, Higher Education, News Media, Nonprofit Organizations, Persons, School Districts, Subject-matter Expert)  See Organization Type for detailed value definitions.
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Recommended
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1-unbounded
<b>Guidelines and description</b>	Enter organization type for the item.
<b>Allowed values, standards, examples, other constraints</b>	<i>Examples:</i> Government, Higher Education

## 4.2.2.18 Relation

relation	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	IdcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Optional
<b>Occurrence (n or min-max)</b>	0-unbounded
<b>Guidelines and description</b>	Enter the identifier of the related item.
<b>Allowed values, standards, examples, other constraints</b>	Free text <i>Example:</i> AvestaRastan_COVID_spa.pdf

## 4.2.2.19 Rights

rights	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Administrative
<b>Obligation</b>	Recommended
<b>Occurrence (n or min-max)</b>	0-1
<b>Guidelines and description</b>	Enter URI to rights information or enter copyright information as literal value.
<b>Allowed values, standards, examples, other constraints</b>	Free text <i>Example:</i> <a href="https://www.youtube.com/static?gl=CA&amp;template=terms">https://www.youtube.com/static?gl=CA&amp;template=terms</a>

## 4.2.2.20 Role

role	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	<p>roleType (<i>Enumerated list of string values:</i> Creator, Contributor, Publisher)</p> <p>See Each of the above values is taken from a controlled vocabulary or is defined locally.</p> <p>Role Type for detailed value definitions.</p>
<b>Child Element(s)</b>	None
<b>Parent Element</b>	agent
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive and administrative
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1-2
<b>Guidelines and description</b>	Enter the role of the responsible entity.
<b>Allowed values, standards, examples, other constraints</b>	<i>Examples:</i> Creator, Publisher

4.2.2.21 *Size*

size	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	IdcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive and administrative
<b>Obligation</b>	Recommended
<b>Occurrence (n or min-max)</b>	0-unbounded
<b>Guidelines and description</b>	Enter file size, duration, or image resolution.
<b>Allowed values, standards, examples, other constraints</b>	Free text <i>Examples:</i> 29.1 MB, 4.56 minutes, 640 x 480



4.2.2.22 *Spatial*

spatial	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	IdcItem
<b>Authority attribute group</b>	Recommended
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Recommended
<b>Occurrence (n or min-max)</b>	0-unbounded
<b>Guidelines and description</b>	Enter geographic location associated with the item. Omit if the item covers the United States (handled by country element).
<b>Allowed values, standards, examples, other constraints</b>	Controlled list values from Getty Thesaurus of Geographic Names  <i>Example:</i> Michigan, Lucas County, New York City, states, counties, municipalities

4.2.2.23 *Subject*

subject	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	Parent element
<b>Child Element(s)</b>	category and topic
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enclose topic and category elements within this element.
<b>Allowed values, standards, examples, other constraints</b>	No text value

4.2.2.24 *Support File*

supportFile	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Administrative
<b>Obligation</b>	Mandatory if applicable
<b>Occurrence (n or min-max)</b>	0-unbounded
<b>Guidelines and description</b>	Enter the name of the support file or folder (for html files that have supporting folders).
<b>Allowed values, standards, examples, other constraints</b>	Free text <i>Example:</i> Safety and Health Topics COVID-19 Control and Prevention OSHA_files

4.2.2.25 *Temporal*

temporal	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Optional
<b>Occurrence (n or min-max)</b>	0-unbounded
<b>Guidelines and description</b>	Enter time span covered by item.
<b>Allowed values, standards, examples, other constraints</b>	EDTF <i>Example: 2020-06-22/2020-06-29</i>

4.2.2.26 *Title*

title	
<b>Schema</b>	Dublin Core
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	IdcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Transcribe title from the original item.
<b>Allowed values, standards, examples, other constraints</b>	Free text <i>Example:</i> Global markets followed Wall Street's plunge, but showed signs of bottoming out.

4.2.2.27 *Topic*

topic	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	String
<b>Child Element(s)</b>	None
<b>Parent Element</b>	Subject
<b>Authority attribute group</b>	Recommended
<b>Purpose</b>	Descriptive
<b>Obligation</b>	Mandatory
<b>Occurrence (n or min-max)</b>	1-unbounded
<b>Guidelines and description</b>	Enter a topic that describes the item.
<b>Allowed values, standards, examples, other constraints</b>	<p>Controlled list values from a controlled vocabulary such as American Folklore Society Ethnographic Thesaurus (AFS Ethnographic), Inter-university Consortium for Political and Social Research (ICPSR) Thesaurus, Getty Thesaurus of Geographic Names (Getty TGN), Library of Congress Subject Headings (LCSH), Medical Subject Headings 2020 (MeSH)</p> <p><i>Example:</i> Disease Progression (MeSH)</p>

4.2.2.28 *Total Downloaded*

totalDownloaded	
<b>Schema</b>	Local
<b>Term Type</b>	Element
<b>Data type</b>	Integer
<b>Child Element(s)</b>	None
<b>Parent Element</b>	ldcItem
<b>Authority attribute group</b>	Not defined
<b>Purpose</b>	Administrative
<b>Obligation</b>	Mandatory if applicable (instance added at first download)
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	System enters/updates the total.
<b>Allowed values, standards, examples, other constraints</b>	<i>Example: 5000</i>

### 4.2.3 Attributes

#### 4.2.3.1 Authority

authority	
<b>Schema</b>	Local
<b>Term Type</b>	Attribute
<b>Data type</b>	String
<b>Defined for</b>	audience, category, country, fileFormat, organizationType, spatial, topic
<b>Authority attribute group</b>	Member
<b>Purpose</b>	Descriptive and linked data
<b>Obligation</b>	Recommended
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enter name of controlled vocabulary or thesaurus.
<b>Allowed values, standards, examples, other constraints</b>	<i>Examples:</i> LCSH, MeSH, Getty TGN, ICSPR



4.2.3.2 *Authority URI*

authorityURI	
<b>Schema</b>	Local
<b>Term Type</b>	Attribute
<b>Data type</b>	URI
<b>Defined for</b>	audience, category, country, fileFormat, organizationType, spatial, topic
<b>Child Element(s)</b>	N/A
<b>Parent Element</b>	Elements that accept the authority attribute include audience, category, country, fileFormat, organizationType, spatial, topic
<b>Authority attribute group</b>	Member
<b>Purpose</b>	Descriptive and linked data
<b>Obligation</b>	Recommended
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enter URI of controlled vocabulary or thesaurus.
<b>Allowed values, standards, examples, other constraints</b>	<i>Example:</i> <a href="http://id.loc.gov/authorities/subjects.html">http://id.loc.gov/authorities/subjects.html</a> PR

4.2.3.3 *Value URI*

valueURI	
<b>Schema</b>	Local
<b>Term Type</b>	Attribute
<b>Data type</b>	URI
<b>Defined for</b>	audience, category, country, fileFormat, organizationType, spatial, topic
<b>Authority attribute group</b>	Member
<b>Purpose</b>	Descriptive and linked data
<b>Obligation</b>	Recommended
<b>Occurrence (n or min-max)</b>	1
<b>Guidelines and description</b>	Enter URI of controlled vocabulary or thesaurus term.
<b>Allowed values, standards, examples, other constraints</b>	<i>Examples:</i> <a href="http://id.loc.gov/vocabulary/ethnographicTerms/afset006479.html">http://id.loc.gov/vocabulary/ethnographicTerms/afset006479.html</a>

## 4.3 Local Data Types and Controlled Vocabulary

### 4.3.1 Enumerated Data Types

#### 4.3.1.1 Audience Type

The following table describes the enumerated values used with the audienceType element. See Audience for information about this element.

audienceType base:string	
<a href="#">Health Professions</a>	Medical providers such as nurses and doctors
<a href="#">Employers</a>	For-profit and nonprofit organizations who hire employees
<a href="#">Persons</a>	Members of the public
<a href="#">Public Officials</a>	Local, state, and federal public servants
<a href="#">School Districts</a>	School districts, i.e., administrative staff members

Each of the above values is taken from a controlled vocabulary.

#### 4.3.1.2 Category Type

The following table describes the enumerated values used with the category element. See Category for information about this element.

categoryType base:string	
<a href="#">Analysis</a>	News articles classified as analysis
<a href="#">Data</a>	Facts and statistics collected together for reference or analysis
<a href="#">Documentation</a>	Technical documentation of datasets such as data dictionaries and codebooks
<a href="#">Facts</a>	Truth about events, not interpretation
<a href="#">Governance</a>	Government reaction known by announcements, mandates, policy, etc.
<a href="#">Instruction</a>	Details telling how something should be done, operated, or assembled
<a href="#">Interviews</a>	Conversation between a journalist or radio/television presenter and a person of public interest
<a href="#">Medical Policy</a>	Public health policy established by a health care system or government office
<a href="#">Misinformation</a>	False or inaccurate information, especially that which is deliberately intended to deceive
<a href="#">News</a>	Newly received or noteworthy information, especially about recent or important events
<a href="#">Opinions</a>	A view or judgment formed about something, not necessarily based on fact or knowledge, e.g., opinion-based news articles, tweets, etc.
<a href="#">Personal Narratives</a>	A personal account of events, spoken or written
Stay-at-home Order (defined locally)	Government ordinance requiring people to stay at home except when it is necessary to leave for essential needs
<a href="#">Strategy</a>	A plan of action or policy designed to achieve a major or overall aim
<a href="#">Therapeutics</a>	Medical treatments

Each of the above values is taken from a controlled vocabulary or defined locally.

#### 4.3.1.3 *Country Type*

The following table describes the enumerated value used with the country element. The existence of this type, even though there is only one value, is one factor that contributes to the extensibility of this schema. Other countries can be easily added if this collection is extended to include them. See Country for information about this element.

countryType base:ISO 3166-3	
<a href="#">USA</a>	the United States of America

#### 4.3.1.4 Organization Type

The following table describes the enumerated values used with the organizationType element. See Organization Type for information about this element.

organizationType base:string	
<a href="#">Businesses</a>	For-profit businesses and employees representing them in official capacities
<a href="#">Government</a>	Local, state, and federal government entities
<a href="#">Health Care</a>	Health care systems and medical providers representing them in official capacities
<a href="#">Higher Education</a>	Institutions of higher education and faculty and staff representing them in official capacities
<a href="#">News Media</a>	Print and broadcasting news media organizations
<a href="#">Nonprofit Organizations</a>	Nonprofit businesses and employees representing them in official capacities
<a href="#">Persons</a>	Individuals who are not subject-matter experts and who are not representing any organization listed: businesses, government, health care, higher education, news media, nonprofit organizations, school districts
<a href="#">School Districts</a>	School district administrative personnel acting in an official capacity
Subject-matter Expert (defined locally)	Any professional or public servant drawing on their expertise but acting in an unofficial capacity

Each of the above values is taken from a controlled vocabulary or is defined locally.

#### 4.3.1.5 *Role Type*

The following table describes the enumerated values used with the role element. See Role for information about this element.

roleType base:string	
Creator	Person or organization responsible for creating the item
Contributor	Person or organization responsible for contributing to the item, e.g., translator, editor, illustrator, etc.
Publisher	Person or organization responsible for publication of the item

### 4.3.2 Controlled Vocabulary Terms

#### 4.3.2.1 *Coronavirus Disease*

[Centers for Disease Control Interim Case Definition](#)

##### **Synonyms**

COVID-19

#### 4.3.2.2 *Stay-at-home Order*

[CBS News stay-at-home Order Definition](#)

##### **Synonyms**

Shelter-in-place Order

Shutdown

Lockdown

#### 4.3.2.3 *Subject-matter Expert*

[Subject-matter expert Wikipedia Definition](#)



## 4.4 Analysis of Functional Requirements

### 4.4.1 Resource Discovery and Information Retrieval

To promote discoverability of the *Life During COVID-19* collection items by all interested parties, the items are described using metadata standards from the Dublin Core as well as the locally defined elements and vocabularies that address specific aspects of the items as they relate to the each other and to the collection as a whole. Together, the metadata for all collection items provides a dense database of information for deep excavation of COVID-19 items. Advanced search options provide access to collection materials through free text subject search and filtering by audience, category, country, fileFormat, language, organizationType, and spatial. Of these elements, audience, category, and organizationType provide novel access points to the collection as locally defined elements.

#### 4.4.1.1 Audience

The repeatable audience element specifies for whom the item was created and can take any one of the following values:

- Health Professions
- Employers
- Persons
- Public Officials

For detailed definitions of each audience value, see Audience Type. Users who seek items created for a particular audience can filter their search by one or more of the above people groups. For example, users who only want to find out about information created for health care professionals can filter their results by specifying ‘health professions’ in their search.

#### 4.4.1.2 Category

The repeatable category element labels each item by what it ‘is,’ and each instance can take any one of the following values:

- Analysis
- Data
- Documentation
- Facts
- Governance
- Instruction
- Interviews
- Medical Policy
- Misinformation
- News
- Opinions
- Personal Narratives
- Stay-at-home Order
- Strategy
- Therapeutics

For detailed definitions of each category value, see Each of the above values is taken from a controlled vocabulary.

Category Type. Users who seek items about a specific topic related to COVID-19 can filter their search by one or more of the above categories. For example, users who only want facts about the coronavirus can filter their search by specifying ‘coronavirus’ as the topic and ‘facts’ as the category in their search.

#### *4.4.1.3 Country*

Although the country element takes only one value, i.e., USA, this element can be modified to allow additional country names. If other countries are added to the enumeration values of this element, users can filter items by country.

#### *4.4.1.4 FileFormat*

The fileFormat element allows users to filter items by Internet Media Types (MIME).

#### *4.4.1.5 Language*

Language varies among users. The *Life During COVID-19* collection was compiled in English, but includes resources for people whose primary or only language is not English. The language element from Dublin Core is Mandatory for items in this collection to provide an access point for users who want to find items in their preferred language.

#### *4.4.1.6 OrganizationType*

The organizationType element can take any one of the following values:

- Businesses
- Government
- Health Care
- Higher Education
- News Media
- Nonprofit Organizations
- Persons
- School Districts
- Subject-matter Expert

For detailed definitions of each organizationType value, see

Organization Type. Users who seek items from a specific type of organization can filter their search by any of the above organization types. For example, users who only want to find items created or published by a government organization can filter their results by specifying ‘government’ in their search.

#### 4.4.1.7 *Spatial*

The spatial element allows users to filter items by their associated geographic location.

#### 4.4.1.8 *Topic*

The topic element provides more precise subject headings than category alone and allows users to filter items by their topic.

### 4.4.2 Linking to Related Resources

Items within the *Life During COVID-19* collection can be linked together directly using the relation element whenever applicable. The relation element is defined by the DCMI Metadata Terms schema, however, for the purpose of retrieving linked items, the relation element in this collection takes the `ldcCode` value of the linked item.

### 4.4.3 Resource Management

Several elements enable administration of the *Life During COVID-19* collection for organization, provenance, technological, and/or rights purposes.

Term	Purpose
Agent element group (name, role, and affiliation)	Records the creator(s), publisher(s), and contributor(s) for provenance purposes
bibliographicCitation	Records the URI of original access for citation and provenance purposes
dateAccessed	Records the date the item was accessed from the bibliographicCitation URI for citation purposes
dateCopyrighted	Records the publication date for provenance purposes
fileFormat	Records the file format for technological purposes
identifier	Uniquely identifies the item as the item’s path or filename for management, direct access, and linking
ldcCollection	Organizes all items in the collection under one collection-level root element
ldcItem	Organizes all item-specific metadata under one item-level root element
language	Records the language for provenance and technological purposes

Term	Purpose
rights	Records a link to rights information about the item for rights purposes
size	Records the file size or dimensions for technological purposes

#### 4.4.4 Resource Usage

Two local elements in the schema track the use of items in the collection.

Term	Purpose
totalDownloaded	Updated after each download, maintains a record of the total number of downloads
dateDownloaded	Records the date of each download

## 4.5 Operating Principles

### 4.5.1 Modularity

The *Life During COVID-19* schema operates by the modularity principle in two ways. First, it incorporates some terms from DCMI Metadata Terms. Second, this local schema defines its own terms to describe items in the collection in a way that might be useful in another schema. For example, locally defined terms *audience* and *organizationType*, with their enumerated values, could be used to describe items in any collection with a diverse set of resources that are about a public life event and that are from a variety of institutions.

### 4.5.2 Extensibility

The *Life During COVID-19* schema operates by the extensibility principle by defining several elements with enumerated values. More values could be added to any of the enumerated lists if the descriptive needs of the collection items are not met with the current values. For example, the *country* element is defined as the country associated with the item, i.e., each item describes or involves people, policies, ideas, etc. from a country. Presently, this collection schema requires the value of the *country* element to be 'USA' for the United States of America. This value is specified in an enumerated data type called *countryType*. The existence of this element contributes to the extensibility of the collection by allowing additional counties to be specified in the enumerated data type should the collection need to be extended to include items from counties other than the USA.

### 4.5.3 Refinement

The *Life During COVID-19* schema operates by the refinement principle in two ways. First, it specifies syntax standards for the language element, temporal element, and all date elements. Second, where applicable, the schema requires locally defined elements to use terms from a controlled vocabulary or thesaurus. Controlled vocabularies and thesauri may include but are not limited to the following:

- [AFS Ethnographic Thesaurus](#)

- [Getty Thesaurus of Geographic Names](#)
- [Inter-university Consortium for Political and Social Research \(ICPSR\) Thesaurus](#)
- [Internet Media Types](#)
- [Library of Congress Subject Headings](#)
- [Medical Subject Headings 2020](#)

The following ldcv-terms elements require the use of controlled vocabularies.

- audience
- category
- fileFormat
- language
- organizationType
- spatial
- topic

In addition to the use of terms from already established controlled vocabularies, the *Life During COVID-19* schema accepts the following locally defined terms for the topic element (child element to subject).

Term	Definition
Coronavirus Disease	Disease caused by the coronavirus
Stay-at-home Order	Government ordinance requiring people to stay at home except when it is necessary to leave for essential needs
Subject-matter Expert	Someone who is an expert in a particular subject area, e.g., a doctor speaking about health-related matters is a subject-matter expert

#### 4.5.4 Multilingualism

The *Life During COVID-19* metadata schema will operate by the multilingualism principle in subsequent releases by translating the schema and its documentation into multiple languages. At that point, the enumerated value for the country element will change to include related countries.

## 5 Examples

### 5.1 Lists of Collection Items

#### 5.1.1 Example Set One

The following table lists the collection item examples and the values of the elements that, together, provide novel discovery and access to this collection.

Item	audience	organization Type	category	topic	fileFormat
COVID-19: How Does it Effect You?	Persons	Businesses	Disease Progression, Facts	Coronavirus	image/png
COVID-19: How Does it Effect You? (Spanish)	Persons	Businesses	Disease Progression, Facts	Coronavirus	image/png
Bill Gates on Finding a Vaccine for COVID-19	Persons	News Media	Interviews	Community Life, Economy, Vaccination	video/mp4
Use Personal Protective Equipment (PPE) Correctly for COVID-19	Health Professions	Government	Medical Policy	Infection Control	video/mp4
Doctor Fact-Checks PLANDEMIC Conspiracy	Persons	Subject-matter Expert	Facts, Misinformation	Pandemic	video/mp4
Domestic Violence Calls Mount as Restrictions Linger: 'No One Can Leave'	Persons	News Media	News, Stay-at-home Order	Domestic Violence	application/pdf
Front Line Nurses in COVID-19 Pandemic Find Solace in Hope Huddles	Health Professions, Persons	Health Care	Personal Narratives, Strategy	Hope, Nurses, Patients	video/mp4
CoronaNet Research Project Codebook	Persons	Higher Education	Documentation	Data	application/pdf
CoronaNet Release (US)	Persons	Higher Education	Data, Governance	Infection Control	text/csv
COVID-19: E17 - Resident Education	Health Professions	Nonprofit Organizations	Medical Policy	Otolaryngology, Education	audio/mp4

Item	audience	organization Type	category	topic	fileFormat
America Is Reopening. But have we flattened the curve?	Persons	Higher Education	News, Facts	Infection Control	text/html
Nurse Shares Heartbreaking Reality of Health Care Workers Fighting COVID-19	Persons	News Media	Personal Narratives	Coronavirus Disease	video/mp4
Prone Positioning for the COVID-19 Patient	Health Professions	Health Care	Therapeutics	Prone Position	video/mp4
Provisional Death Counts for Coronavirus Disease COVID-19 Weekly State-Specific Data Updates	Persons	Government	Data	Death, Race, Ethnicity	text/csv
Safety and Health Topics: COVID-19 - Control and Prevention	Employers	Government	Governance	Infection Control	application/pdf



### 5.1.2 Example Set Two

Item	audience	organization Type	category	topic	fileFormat
Best Practices for Retail Food Stores, Restaurants, and Food Pick-Up/Delivery Services During the COVID-19 Pandemic	Employers	Government	Governance	Food supply--Government policy--United States-	text/html
Ask CDC: Can COVID-19 last on surfaces and in the air?	Persons	Government	Facts	Coronavirus, Infection Control	video/mp4
Cleaning and Disinfection for Households	Persons	Government	Instruction	Infection Control	application/pdf
CoronaVirus Safety	Persons	Nonprofit Organizations	Instruction	Infection Control	image/jpeg
Did The Trump Administration Ignore Early Coronavirus Warnings?	Persons	News Media	News, Analysis, Governance	Coronavirus	text/html
Home Care for People with Suspected or Confirmed COVID-19	Persons	Government	Instruction, Facts	Infection Control. Healing	image/png
Protect Yourself	Persons	Government	Instructions	Infection Control	video/mp4
'This Is War' Medical Workers Share Their Fight On COVID-19 Frontlines	Persons	Government	Personal Narratives, News	Coronavirus Disease, Pandemic	video/mp4
Coronavirus (Covid-19) Data in the United States	Persons	News Media	Data	Death, Patients	text/csv
CoronaVirus Pandemic: Watch what it's like to get tested for COVID-19	Persons	News Media	Medical Policy, Facts	Diagnosis	video/mp4

Item	audience	organization Type	category	topic	fileFormat
Woman in ICU Warns of Covid-19 Dangers 'Don't Take Any Chances'	Persons	Persons	Personal Narratives	Coronavirus Disease, Smoking	video/mp4

## 5.2 Collection Item Examples with XML Markup

### 5.2.1 Example Set One

#### 5.2.1.1 *COVID-19: How Does it Effect You?*

```

<ldcv:ldcItem>
  <dc:title> COVID-19: How Does it Effect You?</dc:title>
  <dc:description>This Spanish-language infographic shows the biological events that
  occur following SARS-CoV-2 infection.</dc:description>
  <ldcv:agent>
    <ldcv:name>Rastan, Avesta</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:role>Publisher</ldcv:role>
    <ldcv:affiliation>AzuraVesta Design</ldcv:affiliation>
  </ldcv:agent>
  <ldcv:agent>
    <ldcv:name>Ronan's School</ldcv:name>
    <ldcv:role>Contributor</ldcv:role>
  </ldcv:agent>
  <ldcv:agent>
    <ldcv:name>Luis Hume</ldcv:name>
    <ldcv:role>Contributor</ldcv:role>
  </ldcv:agent>
  <ldcv:audience authority="AFS Ethnographic Terms" authorityURI="
  http://id.loc.gov/vocabulary/ethnographicTerms.html " valueURI="
  http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Persons</ldcv:au
  dience>
  <ldcv:organizationType authority="ICSPR"
  authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
  valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/20469
  ">Businesses</ldcv:organizationType>
  <ldcv:subject>
    <ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
    valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017934">Coronavirus</ldc
    v:topic>
    <ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
    valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D018450">Disease
    Progression</ldcv:topic>
    <ldcv:category authority="LCSH"
    authorityURI="http://id.loc.gov/authorities/subjects.html"

```

```

valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset006479.html">F
acts</ldcv:category>
</ldcv:subject>
  <dc:dateCopyrighted>2020-07-12</dc:dateCopyrighted>
  <dc:bibliographicCitation>https://www.azuravesta.com/covid-19-
pandemic</dc:bibliographicCitation>
  <ldcv:dateAccessed>2020-07-16</ldcv:dateAccessed>
  <dc:identifier>AvestaRastan_COVID_RGB_v04.png</dc:identifier>
  <ldcv:fileFormat authority="IANA Media Types"
authorityURI="https://www.iana.org/assignments/media-types/media-types.xhtml"
valueURI="https://www.iana.org/assignments/media-
types/image/png">image/png</ldcv:fileFormat>
  <ldcv:country>United States</ldcv:country>
  <dc:size>3.3 MB</dc:size>
  <dc:rights>https://creativecommons.org/licenses/by-nc-nd/4.0/</dc:rights>
  <ldcv:language authority="ISO-639-3" authorityURI="https://iso639-
3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>
  <dc:relation>AvestaRastan_COVID_spa.pdf</dc:relation>
</ldcv:ldcItem>

```

#### 5.2.1.2 COVID-19: How Does it Effect You? (Spanish)

```

<ldcv:ldcItem>
  <dc:title>COVID-19: How Does it Effect You?</dc:title>
  <dc:description>This infographic shows the biological events that occur following
SARS-CoV-2 infection.</dc:description>
  <ldcv:agent>
    <ldcv:name>Rastan, Avesta</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:role>Publisher</ldcv:role>
    <ldcv:affiliation>AzuraVesta Design</ldcv:affiliation>
  </ldcv:agent>
  <ldcv:audience authority="AFS Ethnographic Terms" authorityURI="
http://id.loc.gov/vocabulary/ethnographicTerms.html " valueURI="
http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Persons</ldcv:au
dience>
  <ldcv:organizationType authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/20469
">Businesses</ldcv:organizationType>

```

```

<ldcv:subject>
  <ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
  valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017934">Coronavirus</ldc
  v:topic>
  <ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
  valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D018450">Disease
  Progression</ldcv:topic>
  <ldcv:category authority="LCSH"
  authorityURI="http://id.loc.gov/authorities/subjects.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset006479.html">F
  acts</ldcv:category>
</ldcv:subject>
<dc:dateCopyrighted>2020-07-12/</dc:dateCopyrighted>
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pandemic</dc:bibliographicCitation>
<ldcv:dateAccessed>2020-07-16</ldcv:dateAccessed>
<dc:identifier>AvestaRastan_COVID_spa.pdf</dc:identifier>
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valueURI="https://www.iana.org/assignments/media-
types/application/pdf">application/pdf</ldcv:fileFormat>
<ldcv:country authority="ISO-3166-3"
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3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/spa">spa</ldcv:language>
<dc:relation>AvestaRastan_COVID_RGB_v04.png</dc:relation>
</ldcv:ldcItem>

```

### 5.2.1.3 Bill Gates on Finding a Vaccine for COVID-19

```

<ldcv:ldcItem>
  <dc:title>Bill Gates on Finding a Vaccine for COVID-19</dc:title>
  <dc:description>In this video Bill Gates discusses Finding a Vaccine for COVID-19, the
  Economy, and Returning to 'Normal Life'</dc:description>
  <ldcv:agent>
    <ldcv:name>DeGeneres, Ellen</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
  </ldcv:agent>
</ldcv:ldcItem>

```

```

<ldcv:role>Publisher</ldcv:role>
<ldcv:affiliation>NBCUniversal</ldcv:affiliation>
</ldcv:agent>
<ldcv:audience authority="AFS Ethnographic Terms" authorityURI="
http://id.loc.gov/vocabulary/ethnographicTerms.html " valueURI="
http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Persons</ldcv:au
dience>
<ldcv:organizationType authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
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">News Media</ldcv:organizationType>
<ldcv:subject>
  <ldcv:topic authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset003812.html
  ">Community Life</ldcv:topic>
  <ldcv:topic authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset005843.html
  ">Economy</ldcv:topic>
  <ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
  valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D014611">Vaccination</ldc
v:topic>
  <ldcv:category authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset009633.html">I
  nterviews</ldcv:category>
</ldcv:subject>
  <dc:dateCopyrighted>2020-04-13</dc:dateCopyrighted>
<dc:bibliographicCitation>https://www.youtube.com/watch?v=5oEcXmfWJnw</dc:bi
bliographicCitation>
<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>
<dc:identifier>Bill Gates on Finding a Vaccine for COVID-19.mp4</dc:identifier>
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authorityURI="https://www.iana.org/assignments/media-types/media-types.xhtml"
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types/video/mp4">video/mp4</ldcv:fileFormat>
<ldcv:country authority="ISO-3166-3" authorityURI="
https://www.iso.org/obp/ui/#search" valueURI="
https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>
<dc:size>53.8 MB</dc:size>
<dc:rights>https://www.nbc.com/general/pages/terms</dc:rights>

```

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<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-3.sil.org/code_tables/639/data" valueURI="https://iso639-3.sil.org/code/eng">eng</ldcv:language>
```

```
</ldcv:ldcItem>
```

#### 5.2.1.4 Use Personal Protective Equipment (PPE) Correctly for COVID-19

```
<ldcv:ldcItem>
```

```
<dc:title>Use Personal Protective Equipment (PPE) Correctly for COVID-19</dc:title>
```

```
<dc:description>Video illustrating when, and how to use PPE correctly to help protect yourself and residents from COVID-19.</dc:description>
```

```
<ldcv:agent>
```

```
<ldcv:name>Centers for Disease Control and Prevention</ldcv:name>
```

```
<ldcv:role>Creator</ldcv:role>
```

```
<ldcv:role>Publisher</ldcv:role>
```

```
<ldcv:affiliation>U.S. Department of Health and Human Services</ldcv:affiliation>
```

```
</ldcv:agent>
```

```
<ldcv:audience authority="ICSPR"
```

```
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html" valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21688">Health Professions</ldcv:audience>
```

```
<ldcv:organizationType authority="ICSPR"
```

```
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html" valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21590">Government</ldcv:organizationType>
```

```
<ldcv:subject>
```

```
<ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search" valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017053">Infection Control</ldcv:topic>
```

```
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```

```
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html" valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset020922.html">Medical Policy</ldcv:category>
```

```
</ldcv:subject>
```

```
<dc:dateCopyrighted>2020-04-15</dc:dateCopyrighted>
```

```
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```
<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>
```

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```

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authorityURI="https://www.iana.org/assignments/media-types/media-types.xhtml"
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https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>

<dc:size>25.7 MB</dc:size>

<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-
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3.sil.org/code/eng">eng</ldcv:language>

</ldcv:ldcItem>

5.2.1.5 CoronaNet Research Project Codebook

<ldcv:ldcItem>

  <dc:title>CoronaNet Research Project Codebook</dc:title>

  <dc:description>The CoronaNet Research Project compiles a database on government
  responses to the corona virus.</dc:description>

  <ldcv:agent>

    <ldcv:name>Cheng, C., Barcelo, J., Hartnett, A.S., Kubinec, R., & Messerschmidt,
    L.</ldcv:name>

    <ldcv:role>Creator</ldcv:role>

  </ldcv:agent>

  <ldcv:audience authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
  ns</ldcv:audience>

  <ldcv:organizationType authority="ICSPR"
  authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
  valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21710
  ">Higher Education</ldcv:organizationType>

  <ldcv:subject>

    <ldcv:topic authority="AFS Ethnographic Terms"
    authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
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    Data</ldcv:topic>

    <ldcv:category authority="AFS Ethnographic Terms"
    authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
    valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset005380.html">
    Documentation</ldcv:category>

  </ldcv:subject>

  <dc:dateCopyrighted>2020-04-24</dc:dateCopyrighted>

  <dc:bibliographicCitation> https://doi.org/10.1038/s41562-020-0909-
  7</dc:bibliographicCitation>

```



```

<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>
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types/application/pdf">application/pdf</ldcv:fileFormat>
<ldcv:country authority="ISO-3166-3" authorityURI="
https://www.iso.org/obp/ui/#search" valueURI="
https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>
<dc:size>555 KB</dc:size>
<dc:rights>https://s100.copyright.com/AppDispatchServlet?title=COVID-
19%20Government%20Response%20Event%20Dataset%20%28CoronaNet%20v.1.0%2
9&author=Cindy%20Cheng%20et%20al&contentID=10.1038%2Fs41562-020-0909-
7&publication=2397-3374&publicationDate=2020-06-
23&publisherName=SpringerNature&orderBeanReset=true</dc:rights>
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3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>
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```

#### 5.2.1.6 *CoronaNet Release (US)*

```

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  <dc:description>Dataset outlining the Policy Activity Score for the United
  States.</dc:description>
  <ldcv:agent>
    <ldcv:name>CoronaNet Research Project</ldcv:name>
    <ldcv:name>Cheng, C., Barcelo, J., Hartnett, A.S., Kubinec, R., & Messerschmidt,
    L.</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
  </ldcv:agent>
  <ldcv:audience authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
  ns</ldcv:audience>
  <ldcv:organizationType authority="ICSPR"
  authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
  valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21710
  ">Higher Education</ldcv:organizationType>
  <ldcv:subject>

```

```

<ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017053">Infection
Control</ldcv:topic>

<ldcv:category authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset008026.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset020922.html">
Governance</ldcv:category>

<ldcv:category authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset004833.html">
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</ldcv:subject>

<dc:dateCopyrighted>2020-04-24</dc:dateCopyrighted>

<dc:bibliographicCitation>https://doi.org/10.1038/s41562-020-0909-
8</dc:bibliographicCitation>

<ldcv:dateAccessed>2020-06-21</ldcv:dateAccessed>

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types/text/csv">text/csv</ldcv:fileFormat>

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https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>

<dc:size>2 MB</dc:size>

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19%20Government%20Response%20Event%20Dataset%20%28CoronaNet%20v.1.0%2
9&author=Cindy%20Cheng%20et%20al&contentID=10.1038%2Fs41562-020-0909-
7&publication=2397-3374&publicationDate=2020-06-
23&publisherName=SpringerNature&orderBeanReset=true</dc:rights>

<dc:dateCopyrighted>2020</dc:dateCopyrighted>

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3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>

<dc:relation>CoronaNet_Codebook.pdf</dc:relation>

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```

### 5.2.1.7 Doctor Fact-Checks PLANDEMIC Conspiracy

```

<ldcv:ldcItem>

<dc:title>Doctor Fact-Checks PLANDEMIC Conspiracy</dc:title>

```

```

<dc:description>Video responds to the Plandemic movie ft. Dr. Judy Mikovits,
published on social media.</dc:description>
<ldcv:agent>
  <ldcv:name>Doctor Mike</ldcv:name>
  <ldcv:role>Creator</ldcv:role>
  <ldcv:role>Publisher</ldcv:role>
  <ldcv:affiliation>YouTube</ldcv:affiliation>
</ldcv:agent>
<ldcv:audience authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
ns</ldcv:audience>
<ldcv:organizationType>Subject-matter Expert</ldcv:organizationType>
<ldcv:subject>
  <ldcv:topic authority="Inter-university Consortium for Political and Social Research
(ICPSR) Thesaurus"
authorityURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/22
553">Pandemic</ldcv:topic>
  <ldcv:category authority="AFS Ethnographic Terms" authorityURI="
http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset006479.html">F
acts</ldcv:category>
  <ldcv:category authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset011720.html
">Misinformation</ldcv:category>
</ldcv:subject>
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<ldcv:dateAccessed>2020-06-21</ldcv:dateAccessed>
<dc:identifier>Doctor Fact-Checks PLANDEMIC Conspiracy.mp4</dc:identifier>
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types/video/mp4">video/mp4</ldcv:fileFormat>
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https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>
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```
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```

### 5.2.1.8 *Domestic Violence Calls Mount as Restrictions Linger: 'No One Can Leave'*

```
<ldcv:ldcItem>
```

```
<dc:title>Domestic Violence Calls Mount as Restrictions Linger: 'No One Can Leave'</dc:title>
```

```
<dc:description>The coronavirus has created new tensions. Staying at home has worsened abusive situations. Shelters worry about the spread of the virus.</dc:description>
```

```
<ldcv:agent>
```

```
<ldcv:name>Bosman, Julie</ldcv:name>
```

```
<ldcv:role>Creator</ldcv:role>
```

```
<ldcv:affiliation>The New York Times</ldcv:affiliation>
```

```
</ldcv:agent>
```

```
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authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Persons</ldcv:audience>
```

```
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authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/22445"
">News Media</ldcv:organizationType>
```

```
<ldcv:subject>
```

```
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valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset005423.html">Domestic Violence</ldcv:topic>
```

```
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">News</ldcv:category>
```

```
<ldcv:category>Stay-at-home Order</ldcv:category>
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```
</ldcv:subject>
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<dc:dateCopyrighted>2020-05-15</dc:dateCopyrighted>
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<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>
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https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>

<dc:size>1.3 MB</dc:size>

<dc:rights>https://help.nytimes.com/hc/en-us/articles/115014792127-Copyright-
notice</dc:rights>

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3.sil.org/code/eng">eng</ldcv:language>
</ldcv:ldcItem>

5.2.1.9 Front Line Nurses in COVID-19 Pandemic Find Solace in Hope Huddles
<ldcv:ldcItem>
  <dc:title>Front Line Nurses in COVID-19 Pandemic Find Solace in Hope
  Huddles</dc:title>

  <dc:description>Video illustrates concept of "Hope Huddles," an initiative by a nurse to
  give hope to front line health care workers.</dc:description>

  <ldcv:agent>
    <ldcv:name>Northwell Health</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:role>Publisher</ldcv:role>
  </ldcv:agent>

  <ldcv:agent>
    <ldcv:name>Fawcett, Emily RN</ldcv:name>
    <ldcv:role>Contributor</ldcv:role>
    <ldcv:affiliation>Lenox Hill Hospital</ldcv:affiliation>
  </ldcv:agent>

  <ldcv:audience authority="ICSPR"
  authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
  valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21688
  ">Health Professions</ldcv:audience>

  <ldcv:audience authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
  ns</ldcv:audience>

  <ldcv:organizationType authority="ICSPR"
  authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"

```

valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21671">Health Care</ldcv:organizationType>

<ldcv:subject>

    <ldcv:topic authority="American Folklore Society Ethnographic Thesaurus" authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html" valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset008918.html">Hope</ldcv:topic>

    <ldcv:topic authority="Medical Subject Headings 2020" authorityURI="https://meshb.nlm.nih.gov/search" valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D009726">Nurses</ldcv:topic>

    <ldcv:topic authority="Medical Subject Headings 2020" authorityURI="https://meshb.nlm.nih.gov/search" valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D010361">Patients</ldcv:topic>

    <ldcv:category authority="AFS Ethnographic Terms" authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html" valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013505.html">Personal Narratives</ldcv:category>

    <ldcv:category authority="LCSH" authorityURI="http://id.loc.gov/authorities/subjects.html" valueURI="http://id.loc.gov/authorities/subjects/sh85128515.html">Strategy</ldcv:category>

</ldcv:subject>

<dc:dateCopyrighted>2020-03-27</dc:dateCopyrighted>

<dc:bibliographicCitation>https://www.youtube.com/watch?v=Bt8ZboddCB4</dc:bibliographicCitation>

<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>

<dc:identifier>Front line nurses in COVID-19 pandemic find solace in Hope Huddles.mp4</dc:identifier>

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<ldcv:country authority="ISO-3166-3" authorityURI="https://www.iso.org/obp/ui/#search" valueURI="https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>

<dc:size>9.1 MB</dc:size>

<dc:rights>Copyright 2020 Northwell Health. As an official 501(c)(3) nonprofit</dc:rights>

<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-3.sil.org/code\_tables/639/data" valueURI="https://iso639-3.sil.org/code/eng">eng</ldcv:language>

</ldcv:ldcItem>

#### 5.2.1.10 COVID-19: E17 - Resident Education

<ldcv:ldcItem>

<dc:title>COVID-19: E17 - Resident Education</dc:title>

<dc:description>A panel of doctors discuss the effects of the COVID-19 pandemic on resident education and how approaches may change moving forward.</dc:description>

<ldcv:agent>

<ldcv:name>AAO-HNS/F Otolaryngology Podcasts</ldcv:name>

<ldcv:name>Libsyn Directory</ldcv:name>

<ldcv:role>Creator</ldcv:role>

<ldcv:role>Publisher</ldcv:role>

<ldcv:affiliation>FrequeNTcy</ldcv:affiliation>

</ldcv:agent>

<ldcv:audience authority="ICSPR"

authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"

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authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"

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valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D004493">Education</ldcv:topic>

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authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"

valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset020922.html">Medical Policy</ldcv:category>

</ldcv:subject>

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<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>

<dc:identifier>Libsyn Directory</dc:identifier>

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<dc:size>60 KB</dc:size>

<dc:rights>Libsyn Directory - Liberated Syndication</dc:rights>

<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-
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3.sil.org/code/eng">eng</ldcv:language>

</ldcv:ldcItem>

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#### 5.2.1.11 *America Is Reopening. But have we flattened the curve?*

```

<ldcv:ldcItem>

  <dc:title>America Is Reopening. But have we flattened the curve?</dc:title>

  <dc:description>Page tracks and visualizes new COVID-19 cases across all 50
states.</dc:description>

  <ldcv:agent>

    <ldcv:name>John Hopkins University & Medicine</ldcv:name>

    <ldcv:role>Creator</ldcv:role>

    <ldcv:role>Publisher</ldcv:role>

    <ldcv:affiliation>John Hopkins University</ldcv:affiliation>

  </ldcv:agent>

  <ldcv:audience authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
ns</ldcv:audience>

  <ldcv:organizationType authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21710
">Higher Education</ldcv:organizationType>

  <ldcv:subject>

    <ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017053">Infection
Control</ldcv:topic>

    <ldcv:category authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
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">News</ldcv:category>

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```

    <ldcv:category authority="AFS Ethnographic Terms" authorityURI="
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    valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset006479.html">F
    acts</ldcv:category>
</ldcv:subject>
<dc:dateCopyrighted>2020-06-20</dc:dateCopyrighted>
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states</dc:bibliographicCitation>
<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>
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<ldcv:supportFile> America Is Reopening. But have we flattened the curve? - Johns
Hopkins Coronavirus Resource Center_files</ldcv:supportFile>
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https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>
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3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>
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#### 5.2.1.12 Nurse Shares Heartbreaking Reality of Health Care Workers Fighting COVID-19

```

<ldcv:ldcItem>
  <dc:title>Nurse Shares Heartbreaking Reality of Health Care Workers Fighting COVID-
  19</dc:title>
  <dc:description>Nurse opens up about her 'worst shift' yet, exposing the heartbreaking
  reality of health care workers fighting the pandemic.</dc:description>
  <ldcv:agent>
    <ldcv:name>Schmall, D'niel</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:affiliation>Now This</ldcv:affiliation>
    <ldcv:affiliation>YouTube</ldcv:affiliation>
  </ldcv:agent>
  <ldcv:audience authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"

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valueURI="<http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html>">Persons</ldcv:audience>

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<ldcv:subject>

<ldcv:topic>Coronavirus Disease</ldcv:topic>

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authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html "  
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013505.html">Personal Narratives</ldcv:category>

</ldcv:subject>

<dc:dateCopyrighted>2020-04-07</dc:dateCopyrighted>

<dc:bibliographicCitation><https://www.youtube.com/watch?v=EdqMd-070hs></dc:bibliographicCitation>

<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>

<dc:identifier>Nurse Shares Heartbreaking Reality of Health Care Workers Fighting COVID-19 NowThis.mp4</dc:identifier>

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authorityURI="https://www.getty.edu/research/tools/vocabularies/tgn/  
valueURI="http://www.getty.edu/vow/TGNHierarchy?find=new+york&place=&nation=&english=Y&subjectid=7007567">New York, New York</ldcv:spatial>

<ldcv:country authority="ISO-3166-3" authorityURI="https://www.iso.org/obp/ui/#search" valueURI="https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>

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<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-3.sil.org/code\_tables/639/data" valueURI="https://iso639-3.sil.org/code/eng">eng</ldcv:language>

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### 5.2.1.13 Prone Positioning for the COVID-19 Patient

<ldcv:ldcItem>

<dc:title>Prone Positioning for the COVID-19 Patient</dc:title>

<dc:description>Medical professionals demonstrate how to prepare a patient for prone positioning.</dc:description>

<ldcv:agent>

```

<ldcv:name>The Mount Sinai Health System</ldcv:name>
<ldcv:role>Creator</ldcv:role>
<ldcv:role>Publisher</ldcv:role>
<ldcv:affiliation>Youtube</ldcv:affiliation>
</ldcv:agent>
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authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
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">Health Professions</ldcv:audience>
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">Health Care</ldcv:organizationType>
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  <ldcv:topic authority="MeSH"
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  <ldcv:category authority="MeSH"
authorityURI="https://meshb.nlm.nih.gov/search"
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D013812">Therapeutics</ld
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#### 5.2.1.14 *Provisional Death Counts for Coronavirus Disease COVID-19 Weekly State-Specific Data Updates*

```

<ldcv:ldcItem>
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  Specific Data Updates</dc:title>
  <dc:description>This report provides a weekly summary of COVID-19 deaths by
  geographic and demographic variables.</dc:description>
  <ldcv:agent>
    <ldcv:name>National Center for Health Statistics</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:role>Publisher</ldcv:role>
    <ldcv:affiliation>U.S. Department of Health and Human Services</ldcv:affiliation>
  </ldcv:agent>
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  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
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  ns</ldcv:audience>
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    authorityURI="https://meshb.nlm.nih.gov/search"
    valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D003643">Death</ldcv:topi
    c>
    <ldcv:topic authority="Inter-university Consortium for Political and Social Research
    (ICPSR) Thesaurus"
    authorityURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001"
    valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/22
    965">Race</ldcv:topic>
    <ldcv:topic authority="Inter-university Consortium for Political and Social Research
    (ICPSR) Thesaurus"
    authorityURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001"
    valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21
    311">Ethnicity</ldcv:topic>
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    authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
    valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset004833.html">
    Data</ldcv:category>
  </ldcv:subject>
  <dc:dateCopyrighted>2020</dc:dateCopyrighted>

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<dc:bibliographicCitation>[https://www.cdc.gov/nchs/nvss/vsrr/covid19\\_weekly/index.htm](https://www.cdc.gov/nchs/nvss/vsrr/covid19_weekly/index.htm)</dc:bibliographicCitation>

<ldcv:dateAccessed>2020-06-19</ldcv:dateAccessed>

<dc:identifier>Provisional\_Death\_Counts\_for\_Coronavirus\_Disease\_\_COVID-19\_\_Weekly\_State-Specific\_Data\_Updates.csv</dc:identifier>

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#### 5.2.1.15 *Safety and Health Topics: COVID-19 - Control and Prevention*

<ldcv:ldcItem>

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<dc:description>Methods for workplace control and safety relating to the COVID-19 virus.</dc:description>

<ldcv:agent>

<ldcv:name>Occupational Safety and Health Administration</ldcv:name>

<ldcv:role>Creator</ldcv:role>

<ldcv:role>Publisher</ldcv:role>

<ldcv:affiliation>United States Department of Labor</ldcv:affiliation>

</ldcv:agent>

<ldcv:audience authority="AFS Ethnographic Terms" authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html" valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset006055.html">Employers</ldcv:audience>

<ldcv:organizationType authority="ICSPR" authorityURI="https://www.icpsr.umich.edu/web/pages/index.html" valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21590">Government</ldcv:organizationType>

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<ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
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Control</ldcv:topic>

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authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset008026.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset020922.html">
Governance</ldcv:category>

</ldcv:subject>

<dc:dateCopyrighted>2020-07-07</dc:dateCopyrighted>

<dc:bibliographicCitation>https://www.osha.gov/SLTC/covid-
19/controlprevention.html</dc:bibliographicCitation>

<ldcv:dateAccessed>2020-07-11</ldcv:dateAccessed>

<dc:identifier>Safety and Health Topics COVID-19 - Control and Prevention
Occupational Safety and Health Administration.pdf</dc:identifier>

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3.sil.org/code/eng">eng</ldcv:language>

</ldcv:ldcItem>

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## 5.2.2 Example Set Two

### 5.2.2.1 *Best Practices for Retail Food Stores, Restaurants, and Food Pick-Up/Delivery Services During the COVID-19 Pandemic*

```

<ldcv:ldcItem>

<dc:title>Best Practices for Retail Food Stores, Restaurants, and Food Pick-
Up/Delivery Services During the COVID-19 Pandemic</dc:title>

<dc:description>FDA information about best practices for retail food stores during the
COVID-19 pandemic to safeguard workers and consumers.</dc:description>

<ldcv:agent>

  <ldcv:name>U.S. Food and Drug Administration</ldcv:name>

  <ldcv:role>Creator</ldcv:role>

  <ldcv:role>Publisher</ldcv:role>

  <ldcv:affiliation>U.S. Department of Health and Human Services</ldcv:affiliation>

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:audience>

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authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21590
">Government</ldcv:organizationType>

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  <ldcv:category authority="LCSH"
  authorityURI="http://id.loc.gov/authorities/subjects.html" valueURI="
  http://id.loc.gov/authorities/subjects/sh2009125367.html "> Food supply--
  Government policy--United States</ldcv:category>

  <ldcv:category authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset008026.html
  "
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset020922.html">
  Governance</ldcv:category>
</ldcv:subject>

<dc:dateCopyrighted>2020-04-21</dc:dateCopyrighted>

<dc:bibliographicCitation>https://www.fda.gov/food/food-safety-during-
emergencies/best-practices-retail-food-stores-restaurants-and-food-pick-updelivery-
services-during-covid-19</dc:bibliographicCitation>

<ldcv:dateAccessed>2020-07-15</ldcv:dateAccessed>

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services-during-covid-19.html</dc:identifier>

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<ldcv:supportFile> Best Practices for Retail Food Stores, Restaurants, and Food Pick-
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FDA_files</ldcv:supportFile>

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3.sil.org/code/eng">eng</ldcv:language>

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### 5.2.2.2 Ask CDC: Can COVID-19 last on surfaces and in the air?

```

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  <dc:description>Dr. John Brooks, CDC's Chief Medical Officer for the COVID-19
  emergency response, discusses the spread of COVID-19.</dc:description>
  <ldcv:agent>
    <ldcv:name>Centers for Disease Control and Prevention</ldcv:name>
    <ldcv:name>Brooks, John PhD.</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:role>Publisher</ldcv:role>
    <ldcv:affiliation>U.S. Department of Health and Human Services</ldcv:affiliation>
  </ldcv:agent>
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  http://id.loc.gov/vocabulary/ethnographicTerms.html " valueURI="
  http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Persons</ldcv:au
  dience>
  <ldcv:organizationType authority="ICSPR"
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  valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21590
  ">Government</ldcv:organizationType>
  <ldcv:subject>
    <ldcv:topic authority="MeSH" authorityURI=" https://meshb.nlm.nih.gov/search"
    valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017053">Infection
    Control</ldcv:topic>
    <ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
    valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017934">Coronavirus</ldc
    v:topic>
    <ldcv:category authority="AFS Ethnographic Terms" authorityURI="
    http://id.loc.gov/vocabulary/ethnographicTerms.html"
    valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset006479.html">F
    acts</ldcv:category>
  </ldcv:subject>
  <dc:dateCopyrighted>2020-04-08</dc:dateCopyrighted>
  <dc:bibliographicCitation>https://www.facebook.com/CDC/videos/can-covid-19-last-
  on-surfaces-and-in-the-air/585273965405006/</dc:bibliographicCitation>
  <ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>
  <dc:identifier>Can COVID-19 last on surfaces and in the air.mp4</dc:identifier>
  <ldcv:fileFormat authority="IANA Media Types"
  authorityURI="https://www.iana.org/assignments/media-types/media-types.xhtml"

```



```

valueURI="https://www.iana.org/assignments/media-
types/video/mp4">video/mp4</ldcv:fileFormat>

<ldcv:country authority="ISO-3166-3" authorityURI="
https://www.iso.org/obp/ui/#search" valueURI="
https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>

<dc:size>5.4 MB</dc:size>

<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-
3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>

</ldcv:ldcItem>

```

**5.2.2.3 Cleaning and Disinfection for Households**

```

<ldcv:ldcItem>

<dc:title>Cleaning and Disinfection for Households</dc:title>

<dc:description>Interim Recommendations for U.S. Households with Suspected or
Confirmed Coronavirus Disease2019 (COVID-19).</dc:description>

<ldcv:agent>

<ldcv:name>Centers for Disease Control and Prevention</ldcv:name>

<ldcv:role>Publisher</ldcv:role>

<ldcv:role>Creator</ldcv:role>

<ldcv:affiliation>U.S. Department of Health and Human Services</ldcv:affiliation>

</ldcv:agent>

<ldcv:audience authority="AFS Ethnographic Terms" authorityURI="
http://id.loc.gov/vocabulary/ethnographicTerms.html " valueURI="
http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Persons</ldcv:au
dience>

<ldcv:organizationType authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21590
">Government</ldcv:organizationType>

<ldcv:subject>

<ldcv:topic authority="MeSH" authorityURI=" https://meshb.nlm.nih.gov/search"
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017053">Infection
Control</ldcv:topic>

< ldcv:category authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21
893">Instruction</ ldcv:category>

</ldcv:subject>

<dc:dateCopyrighted>2020-05-13</dc:dateCopyrighted>

```

```

<dc:bibliographicCitation>https://www.cdc.gov/coronavirus/2019-ncov/prevent-
getting-sick/cleaning-disinfection.html</dc:bibliographicCitation>
<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>
<dc:identifier>Cleaning and Disinfection for Households.pdf</dc:identifier>
<ldcv:fileFormat authority="IANA Media Types"
authorityURI="https://www.iana.org/assignments/media-types/media-types.xhtml"
valueURI="https://www.iana.org/assignments/media-
types/application/pdf">application/pdf</ldcv:fileFormat>
<ldcv:country authority="ISO-3166-3" authorityURI="
https://www.iso.org/obp/ui/#search" valueURI="
https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>
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3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>
</ldcv:ldcItem>

```

#### 5.2.2.4 *CoronaVirus Safety*

```

<ldcv:ldcItem>
  <dc:title>CoronaVirus Safety</dc:title>
  <dc:description>Image depicting methods for preventing infection of COVID-
  19.</dc:description>
  <ldcv:agent>
    <ldcv:name>American Red Cross</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:role>Publisher</ldcv:role>
  <ldcv:affiliation>International Federation of Red Cross and Red Crescent
  Societies</ldcv:affiliation>
</ldcv:agent>
  <ldcv:audience authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
ns</ldcv:audience>
  <ldcv:organizationType authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset012541.html">Non
profit Organizations</ organizationType>
  <ldcv:subject>
    <ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017053">Infection
Control</ldcv:topic>

```

```

    <ldcv:category authority="ICSPR"
    authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
    valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21
    893">Instruction</ldcv:category>
</ldcv:subject>
    <dc:dateCopyrighted>2020-07-10</dc:dateCopyrighted>
<dc:bibliographicCitation>https://www.redcross.org/about-us/news-and-
events/news/2020/as-us-covid-19-cases-rise-follow-these-5-safety-
steps.html</dc:bibliographicCitation>
<ldcv:dateAccessed>2020-07-18</ldcv:dateAccessed>
<dc:identifier>coronavirus-safety-tw.jpg</dc:identifier>
<ldcv:fileFormat authority="IANA Media Types"
authorityURI="https://www.iana.org/assignments/media-types/media-
types.xhtml">image/jpeg</ldcv:fileFormat>
<ldcv:country authority="ISO-3166-3" authorityURI="
https://www.iso.org/obp/ui/#search" valueURI="
https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>
<dc:size>167 KB</dc:size>
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<dc:dateCopyrighted>2020</dc:dateCopyrighted>
<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-
3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>
</ldcv:ldcItem>

```

#### 5.2.2.5 *Did The Trump Administration Ignore Early Coronavirus Warnings?*

```

<ldcv:ldcItem>
    <dc:title>Did The Trump Administration Ignore Early Coronavirus
    Warnings?</dc:title>
<dc:description>Article discusses revelations that come as Trump attacks the United
    Nations health agency.</dc:description>
<ldcv:agent>
    <ldcv:name>Vanity Fair</ldcv:name>
    <ldcv:name>Lutz, Eric</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:role>Publisher</ldcv:role>
    <ldcv:affiliation>Condé Nast</ldcv:affiliation>
</ldcv:agent>
<ldcv:audience authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"

```

valueURI="<http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html>">Persons</ldcv:audience>

<ldcv:organizationType authority="ICSPR"  
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"  
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/22445"  
>News Media</ldcv:organizationType>

<ldcv:subject>

<ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"  
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017934">Coronavirus</ldcv:topic>

<ldcv:category authority="AFS Ethnographic Terms"  
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html "  
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset012470.html"  
>News</ldcv:category>

<ldcv:category authority="AFS Ethnographic Terms"  
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset008026.html"  
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset020922.html">Governance</ldcv:category>

<ldcv:category authority="AFS Ethnographic Terms"  
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"  
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset000495.html">Analysis</ldcv:category>

</ldcv:subject>

<dc:dateCopyrighted>2020-04-20</dc:dateCopyrighted>

<dc:bibliographicCitation><https://www.vanityfair.com/news/2020/04/did-the-trump-administration-ignore-early-coronavirus-warnings></dc:bibliographicCitation>

<ldcv:dateAccessed>2020-06-21</ldcv:dateAccessed>

<dc:identifier>Did The Trump Administration Ignore Early Coronavirus Warnings? | Vanity Fair.html</dc:identifier>

<ldcv:supportFile> Did The Trump Administration Ignore Early Coronavirus Warnings? | Vanity Fair\_files</ldcv:supportFile>

<ldcv:fileFormat authority="IANA Media Types"  
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valueURI="https://www.iana.org/assignments/media-types/text/html">text/html</ldcv:fileFormat>

<ldcv:country authority="ISO-3166-3" authorityURI="https://www.iso.org/obp/ui/#search" valueURI="https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>

<dc:size>1.4 MB</dc:size>

<dc:rights><https://www.condenast.com/reprints-permissions></dc:rights>

<dc:dateCopyrighted>2020</dc:dateCopyrighted>

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<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-3.sil.org/code_tables/639/data" valueURI="https://iso639-3.sil.org/code/eng">eng</ldcv:language>
```

```
</ldcv:ldcItem>
```

### 5.2.2.6 *Home Care for People with Suspected or Confirmed COVID-19*

```
<ldcv:ldcItem>
```

```
<dc:title>Home Care for People with Suspected or Confirmed COVID-19</dc:title>
```

```
<dc:description>Graphic suggesting methods for ill people to recuperate from COVID-19 and prevent its spread.</dc:description>
```

```
<ldcv:agent>
```

```
<ldcv:name>World Health Organization</ldcv:name>
```

```
<ldcv:role>Creator</ldcv:role>
```

```
<ldcv:role>Publisher</ldcv:role>
```

```
<ldcv:affiliation>United Nations Economic and Social Council</ldcv:affiliation>
```

```
</ldcv:agent>
```

```
<ldcv:audience authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Persons</ldcv:audience>
```

```
<ldcv:organizationType authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21590">Government</ldcv:organizationType>
```

```
<ldcv:subject>
```

```
<ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017053">Infection
Control</ldcv:topic>
```

```
<ldcv:topic authority="AFS Ethnographic Terms" authorityURI="
http://id.loc.gov/vocabulary/ethnographicTerms.html" valueURI="
http://id.loc.gov/vocabulary/ethnographicTerms/afset008564.html"
">Healing</ldcv:topic>
```

```
<ldcv:category authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
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```

```
<ldcv:category authority="AFS Ethnographic Terms" authorityURI="
http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset006479.html">Facts</ldcv:category>
```

```
</ldcv:subject>
```

```
<dc:dateCopyrighted>2020</dc:dateCopyrighted>
```

```

<dc:bibliographicCitation>https://www.who.int/emergencies/diseases/novel-
coronavirus-2019</dc:bibliographicCitation>
<ldcv:dateAccessed>2020-06-20</ldcv:dateAccessed>
<dc:identifier>home-care-ill-people-square-covid.png</dc:identifier>
<ldcv:fileFormat authority="IANA Media Types"
authorityURI="https://www.iana.org/assignments/media-types/media-types.xhtml"
valueURI="https://www.iana.org/assignments/media-
types/image/png">image/png</ldcv:fileFormat>
<ldcv:country authority="ISO-3166-3" authorityURI="
https://www.iso.org/obp/ui/#search" valueURI="
https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>
<dc:size>785 KB</dc:size>
<dc:rights>https://www.who.int/about/who-we-are/privacy-policy</dc:rights>
<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-
3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>
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```

### 5.2.2.7 *Protect Yourself*

```

<ldcv:ldcItem>
  <dc:title>Protect Yourself</dc:title>
  <dc:description>PSAs to inform Americans about the steps they can take to protect
  themselves to prevent the spread of coronavirus.</dc:description>
  <ldcv:agent>
    <ldcv:name>Centers for Disease Control and Prevention</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:role>Publisher</ldcv:role>
    <ldcv:affiliation>U.S. Department of Health and Human Services</ldcv:affiliation>
  </ldcv:agent>
  <ldcv:audience authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
  ns</ldcv:audience>
  <ldcv:organizationType authority="ICSPR"
  authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
  valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21590
  ">Government</ldcv:organizationType>
  <ldcv:subject>
    <ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
    valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D017053">Infection
    Control</ldcv:topic>
  </ldcv:subject>
</ldcv:ldcItem>

```

```

<ldcv:category authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/21
893">Instruction</ldcv:category>

</ldcv:subject>

<dc:dateCopyrighted>2020-04-03</dc:dateCopyrighted>

<dc:bibliographicCitation>https://www.youtube.com/watch?v=H4EeUx2_9qI</dc:bi
bliographicCitation>

<ldcv:dateAccessed>2020-06-21</ldcv:dateAccessed>

<dc:identifier>Protect Yourself.mp4</dc:identifier>

<ldcv:fileFormat authority="IANA Media Types"
authorityURI="https://www.iana.org/assignments/media-types/media-types.xhtml"
valueURI="https://www.iana.org/assignments/media-
types/video/mp4">video/mp4</ldcv:fileFormat>

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3.sil.org/code/eng">eng</ldcv:language>

</ldcv:ldcItem>

```

#### 5.2.2.8 *'This Is War' Medical Workers Share Their Fight On COVID-19 Frontlines*

```

<ldcv:ldcItem>

  <dc:title>'This Is War' Medical Workers Share Their Fight On COVID-19
  Frontlines</dc:title>

  <dc:description>Doctors and nurses on the frontlines of the COVID-19 pandemic share
  their thoughts as they fight the spread of the coronavirus.</dc:description>

  <ldcv:agent>

    <ldcv:name>NBC News NOW</ldcv:name>

    <ldcv:role>Creator</ldcv:role>

    <ldcv:role>Publisher</ldcv:role>

    <affiliation>NBC News</ldcv:affiliation>

  </ldcv:agent>

  <ldcv:audience authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
  ns</ldcv:audience>

```



```

<ldcv:organizationType authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/22445
">News Media</ldcv:organizationType>

<ldcv:subject>
  <ldcv:topic>Coronavirus Disease</ldcv:topic>
  <ldcv:topic authority="Inter-university Consortium for Political and Social Research
(ICPSR) Thesaurus"
authorityURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/22
553">Pandemic</ldcv:topic>
  <ldcv:category authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013505.html">P
ersonal Narratives</ldcv:category>
  <ldcv:category authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset012470.html
">News</ldcv:category>
</ldcv:subject>

<dc:dateCopyrighted>2020-04-02</dc:dateCopyrighted>

<dc:bibliographicCitation>https://www.youtube.com/watch?v=0h_6L-
5MHJk</dc:bibliographicCitation>

<ldcv:dateAccessed>2020-06-19</ldcv:dateAccessed>

<dc:identifier>This Is War Medical Workers Share Their Fight On COVID-19
Frontlines News NOW.mp4</dc:identifier>

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types/video/mp4">video/mp4</ldcv:fileFormat>

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3.sil.org/code/eng">eng</ldcv:language>
</ldcv:ldcItem>

```

### 5.2.2.9 *Coronavirus (Covid-19) Data in the United States*

```

<ldcv:ldcItem>
  <dc:title>Coronavirus (Covid-19) Data in the United States</dc:title>

```



```

<dc:description>Raw data includes cases of and deaths from COVID-19 across counties
within the United States.</dc:description>
<ldcv:agent>
  <ldcv:name>New York Times</ldcv:name>
  <ldcv:role>Creator</ldcv:role>
  <ldcv:role>Publisher</ldcv:role>
</ldcv:agent>
<ldcv:organizationType
<ldcv:audience authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
ns</ldcv:audience>
<ldcv:organizationType authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/22445
">News Media</ldcv:organizationType>
<ldcv:subject>
  <ldcv:topic authority="Medical Subject Headings 2020"
authorityURI="https://meshb.nlm.nih.gov/search"
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D003643">Death</ldcv:topi
c>
  <ldcv:topic authority="Medical Subject Headings 2020"
authorityURI="https://meshb.nlm.nih.gov/search"
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D010361">Patients</ldcv:to
pic>
  <ldcv:category authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset004833.html">
Data</ldcv:category>
</ldcv:subject>
<dc:dateCopyrighted>2020</dc:dateCopyrighted>
<dc:bibliographicCitation>https://github.com/nytimes/covid-19-data/blob/master/us-
counties.csv</dc:bibliographicCitation>
<ldcv:dateAccessed>2020-06-19</ldcv:dateAccessed>
<dc:identifier>us-counties.csv</dc:identifier>
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types/text/csv">text/csv</ldcv:fileFormat>
<ldcv:spatial>counties</ldcv:spatial>

```

```
<ldcv:country authority="ISO-3166-3" authorityURI="
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3.sil.org/code/eng">eng</ldcv:language>
```

```
</ldcv:ldcItem>
```

#### 5.2.2.10 *CoronaVirus Pandemic: Watch what it's like to get tested for COVID-19*

```
<ldcv:ldcItem>
```

```
<dc:title>CoronaVirus Pandemic: Watch what it's like to get tested for COVID-
19</dc:title>
```

```
<dc:description>A look at what patients could expect if they end up in an emergency
room with COVID-19 symptoms.</dc:description>
```

```
<ldcv:agent>
```

```
<ldcv:name>The National</ldcv:name>
```

```
<ldcv:role>Creator</ldcv:role>
```

```
<ldcv:role>Publisher</ldcv:role>
```

```
<ldcv:affiliation>CBS News</ldcv:affiliation>
```

```
</ldcv:agent>
```

```
<ldcv:audience authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
ns</ldcv:audience>
```

```
<ldcv:organizationType authority="ICSPR"
authorityURI="https://www.icpsr.umich.edu/web/pages/index.html"
valueURI="https://www.icpsr.umich.edu/web/ICPSR/thesaurus/10001/terms/22445
">News Media</ldcv:organizationType>
```

```
<ldcv:subject>
```

```
<ldcv:topic authority="MeSH" authorityURI="https://meshb.nlm.nih.gov/search"
valueURI="https://meshb.nlm.nih.gov/record/ui?ui=D003933">Diagnosis</ldcv:t
opic>
```

```
<ldcv:category authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html "
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset020922.html">
Medical Policy</ldcv:category>
```

```
<ldcv:category authority="AFS Ethnographic Terms" authorityURI="
http://id.loc.gov/vocabulary/ethnographicTerms.html"
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset006479.html">F
acts</ldcv:category>
```

```
</ldcv:subject>
```

```

<dc:dateCopyrighted>2020-03-11</dc:dateCopyrighted>
<dc:bibliographicCitation>https://www.youtube.com/watch?v=14mRmD8zHOk</dc:
bibliographicCitation>
<ldcv:dateAccessed>2020-06-19</ldcv:dateAccessed>
<dc:identifier>Watch what it's like to get tested for COVID-19.mp4</dc:identifier>
<ldcv:fileFormat authority="IANA Media Types"
authorityURI="https://www.iana.org/assignments/media-types/media-types.xhtml"
valueURI="https://www.iana.org/assignments/media-
types/video/mp4">video/mp4</ldcv:fileFormat>
<ldcv:country authority="ISO-3166-3" authorityURI="
https://www.iso.org/obp/ui/#search" valueURI="
https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>
<dc:size>8.3 MB</dc:size>
<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-
3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>
</ldcv:ldcItem>

```

#### 5.2.2.11 *Woman in ICU Warns of Covid-19 Dangers 'Don't Take Any Chances'*

```

<ldcv:ldcItem>
  <dc:title>Woman in ICU Warns of Covid-19 Dangers 'Don't Take Any
  Chances'</dc:title>
  <dc:description>Personal video of a patient in the ICU for COVID-19 treatment pleads
  for public to stop smoking, as they will 'need their lungs for COVID-
  19.'</dc:description>
  <ldcv:agent>
    <ldcv:name>Langston, Tara Jane</ldcv:name>
    <ldcv:role>Creator</ldcv:role>
    <ldcv:role>Publisher</ldcv:role>
    <ldcv:affiliation>The Guardian</ldcv:affiliation>
    <ldcv:affiliation>Facebook</ldcv:affiliation>
  </ldcv:agent>
  <ldcv:audience authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
  ns</ldcv:audience>
  <ldcv:organizationType authority="AFS Ethnographic Terms"
  authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html"
  valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013521.html">Perso
  ns</ldcv:organizationType>
  <ldcv:subject>

```

```

<ldcv:topic>Coronavirus Disease</ldcv:topic>
<ldcv:topic authority="LCSH"
authorityURI="http://id.loc.gov/authorities/subjects.html"
valueURI="http://id.loc.gov/authorities/subjects/sh85123693.html
">Smoking</ldcv:topic>

<ldcv:category authority="AFS Ethnographic Terms"
authorityURI="http://id.loc.gov/vocabulary/ethnographicTerms.html "
valueURI="http://id.loc.gov/vocabulary/ethnographicTerms/afset013505.html">P
ersonal Narratives</ldcv:category>

</ldcv:subject>

<dc:dateCopyrighted>2020-03-20</dc:dateCopyrighted>

<dc:bibliographicCitation>https://www.youtube.com/watch?v=iFLSG-
7K3Tc</dc:bibliographicCitation>

<ldcv:dateAccessed>2020-06-19</ldcv:dateAccessed>

<dc:identifier>Woman in ICU warns of Covid-19 dangers 'Don't take any
chances'.mp4</dc:identifier>

<ldcv:fileFormat authority="IANA Media Types"
authorityURI="https://www.iana.org/assignments/media-types/media-types.xhtml"
valueURI="https://www.iana.org/assignments/media-
types/video/mp4">video/mp4</ldcv:fileFormat>

<ldcv:country authority="ISO-3166-3" authorityURI="
https://www.iso.org/obp/ui/#search" valueURI="
https://www.iso.org/obp/ui/#iso:code:3166:US">USA</ldcv:country>

<dc:size>6.3 MB</dc:size>

<ldcv:language authority="ISO-639-3" authorityURI="https://iso639-
3.sil.org/code_tables/639/data" valueURI="https://iso639-
3.sil.org/code/eng">eng</ldcv:language>

</ldcv:ldcItem>

```

## 6 Self-Assessment

### 6.1 Lisa Over

I found this project interesting for a number of reasons. First, it is timely and relevant because the pandemic is currently a problem. I found myself disappointed that I did not start saving items when the pandemic started. I actually would have created this collection and made it available on my web space (perhaps I still will if I can find enough items from the past six months).

Another aspect of this project that I found interesting was the challenge of finding unique ways to label the items for discovery and information retrieval. Our items did not have properties that were as obvious as other collections such as the pottery collection, provided as an example. In that collection, an obvious property that grouped similar items together for discovery was the clay type property. Thinking about the clay type property helped me stretch my thinking about the COVID-19 collection. What property, or properties, of these items might users want to distinguish in a search? Users might care about finding items created only by government agencies or by health care institutions. So the organizationType element became part of our schema. Users also may care about only certain types or categories of items such as data, instructions, misinformation, news, etc. The category element allows users to find items by these categories. Finally, users might also care about finding items that were originally created for a particular audience, such as the public, health professionals, public officials, etc. This led to the audience element.

This project was certainly an evolution of ideas. This is nothing new from my experience—I change things up to the end of every project I work on. The more I work with something, the more I understand and so changes have to be made to reflect that understanding. For example, reading through Mars’ detailed element descriptions made me realize we needed to document the attributes and nested elements differently than the way we had in our Excel spreadsheet version. And, it took evaluating the XML examples Chloe created before I recognized that the original distinction between category and topic was fuzzy. Every part of the assignment helped to clarify our logic behind the local schema properties, to ourselves, and that enabled us to improve our schema and how we explained the schema to our audience.

### 6.2 Chloe Thomas

The *Life During COVID19* project has been an immensely valuable learning experience. The completion of this project was only possible through the varied experiences of our group members, which brought in backgrounds from other fields, departments, and classes. Of particular note is Lisa’s medical familiarity, which aided our understanding of specific local terminology and general collection structure. Mars’s aptitude for visual organization and direct language resulted in what can be seen as the most intuitive local definitions tables; truly impressive writing, given their arduous nature.

Our progression began with the project proposal, moved towards metadata mining and formatting, and finished with the application profile itself, containing our methodologies, definitions, and intended application. Throughout this process the group communicated predominately through Microsoft Teams, and additionally posted some of our benchmarks on Canvas Teams for instructor review. We believe this application will be beneficial as a method for documenting mixed resources (media, origin, format, etc.) relating to this unprecedented event.

Personally, this project forced me to work with metadata, a subject I understood very little of. The XML writing was long and difficult, but through Lisa's patience and Mars's instruction I was able to create structured metadata in XML. More broadly, and through the lens of a critical eye, group communication could be improved through in-person meetings and collaborative work time. It is understood however, that due to the current pandemic this would not have been possible for this class.

### 6.3 Tianhao Wu

Our metadata scheme is one brand-new scheme, which can represent life during the COVID-19 pandemic. It is a unique scheme because of this unprecedented disaster and disease for all mankind. Therefore, the value of this product (the metadata scheme) is self-evident because it gives one snapshot of daily life during the pandemic, which we mentioned before. In the first step, we considered the potential users for this collection. Although we think everyone who wants to access or utilize can understand our collection, we also want to provide specific access to people with different and specific purposes. After determining the potential users, we began to collect many files, which included videos, pictures, texts and datasets. Though combining the metadata of these files and analyzing the functional requirements of our collection, we constructed the initial framework of our application profile. My main task of the application profile document was to modify and design the documentation for the elements and attributes. Due to the format of our files we collected, which are very different, the design and modification of local elements was a huge work. After the third assignment involving the local element brainstorming, we added, removed, and edited many local elements, which made our element set clearer to understand and less complex.

It is my first time to choose a Library Information System course, and I gained some practical knowledge and reflections from our project. First, when we want to create one special collection, which is designed for special events or phenomena. We need to collect many files about this special event or phenomena because it is easy to derive a metadata scheme from the metadata of the existing files. Second, elements should be easy to describe and understand. Some local elements, which we provided in the elements brainstorming, are hard to explain, which will make it difficult for users to use. After discussing, we removed them. Finally, this class gave me a basic knowledge of the design or use of metadata, and I think it will be useful in my future study in my major.

## 7 References

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