

## How to Use MUSTID

National Institutes of Health • U.S. Department of Health and Human Services



### **MUSTID** *Material Upload and Search Tool for Infectious Disease*

- Need: A centralized location to organize and store science-based resources and training tools that can be easily accessed by WTP awardees to inform worker safety during the current COVID-19 outbreak (and other future disease outbreaks)
- Solution: The Clearinghouse has developed an easy-touse tool call MUSTID (the Material Upload and Search Tool for Infectious Disease) to house these resources and serve as a data sharing platform for WTP grant administrators and awardees via the Data Management System (DMS).



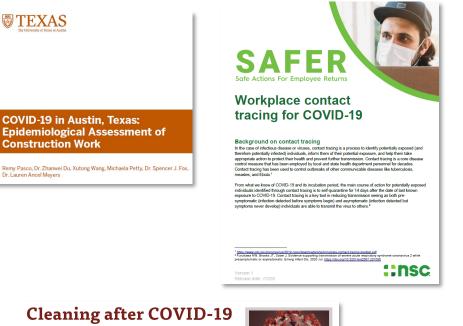
### **MUSTID Content**

- Origin of Resources: MUSTID contains resources shared by WTP and the Clearinghouse including resources shared on the Protecting Workers Listserv.
- Topic: Resources relevant to COVID-19, other coronaviruses (SARS, MERS), and influenza, and the health and safety of workers.
  - New: Also includes materials on transitioning to online training and back to the classroom/in-person training.



### **Resource Types**

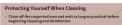
- Guidance Documents (Clinical/Operational Guidelines, **Regulations**/Policies, Executive Orders, Protocols, Checklists etc.)
- Publications (research and review articles, commentaries, preprints, technical briefs/reports/white papers)
- Training Materials, FAQs, Infographics



YOU HAVE A

GS E 🎘

Cleaning and Disinfection are different emoves of germs, dirt, and impu



- each solutions are used, make sure the bleach hasn ration date. Never mix bleach and ammonia.

cseany.org/coronavirus-information





- **Resource Type** describes the type of resource e.g., clinical guidance, FAQ, or research article
- Format describes the physical format of the resource e.g., PDF, Audio/Video, website
- Language describes the language of the resource e.g., English or Spanish
- Infectious Disease describes the infectious disease addressed in the resource e.g., COVID-19, SARS, or Influenza
- Topics Covered are tags addressing a variety of topics relevant to protecting workers during infectious disease outbreaks (e.g., Airborne/ Aerosol Transmission or Respiratory Protection).
- **Industry** describes the area of industry that the resources applies to (e.g., Healthcare/Public Health/Human Services).
- Country describes the country where the resource or scientific study is specific to.
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Infectious Disease Category

HINT: Hover over the purple • icon to see the Tool Tip for that term.

•	Infectious Disease
	COVID-19 ()
	Ebola Virus Disease
	General Infectious Disease 🜖
	Hepatitis 🚯
	HIV (Human Immunodeficiency Virus)
	Influenza 🚯
	MRSA (Methicillin-resistant Staphylococcus aureus)
	MERS (Middle East Respiratory Syndrome)
	Norovirus
	General Respiratory Illness 🚯
	SARS (Severe Acute Respiratory Syndrome)
	Tuberculosis
	Zika
	Other Infectious Diseases

#### **Topics Covered**

Exposure / Transmission	Education and Training
Airborne/ Aerosol Transmission ()	Community Education and Training
Dermal/Surface Transmission ()	Family Education and Training
Risk of Transmission	Management and Leadership Training 3
Symptoms / Clinical Characteristics	Train-the-Trainer
Incubation Period	Worker Training
Other Symptoms / Clinical Characteristics	Other Training
Vulnerable / At-Risk Populations	Transition to Online Training/e-Learning 🜖
Epidemiology	Online Training/e-Learning Platforms/Tools ()
Intervention	Online Training /e-Learning Methods/Best Practices
Clinical Trial	Online Course Development
Efficacy	Return to In-person Training/Classes
Vaccine	In-person Classroom Safety Measures
Other Intervention	

### **Topics Covered**

#### **Hierarchy of Controls**

- Administrative Controls ()
- Engineering Controls ()
- Early Identification and Isolation

#### Cleaning, Disinfection and Decontamination

- Environmental Cleaning
- Hand Washing
- Laundering
- Sterilization
- Other Cleaning, Disinfection, Decontamination

#### Personal Protective Equipment (PPE) ()

- General PPE
- Eye Protection
- Gloves
- Gowns
- Respiratory Protection ()
- Other PPE

#### Screening and Surveillance

- Medical Screening/Surveillance
- Workplace Screening/Surveillance
- Contact Tracing
- Other Screening and Surveillance

#### Waste Management 🜖

- Health Care Waste
- Municipal Waste
- Other Waste
- Mental Health / Resiliency
- Physical Distancing

#### Preparedness

#### National Preparedness State Preparedness Community Preparedness Workplace Preparedness

#### Response

- National Response
- State Response
- Community Response
- Workplace Response

#### Workplace

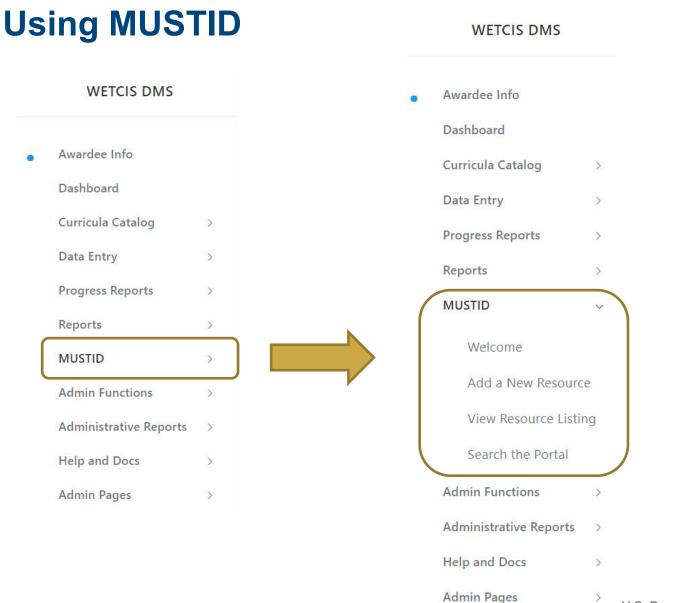
- Access to Information
- Essential Services
- Workers Compensation
- Workplace Assistance Programs ()
- Other Workplace Concerns



### **MUSTID** is Still a Work in Progress

- We are in the process of uploading and cataloging the more than 400 resources that have been collected so far.
- 246 resources in MUSTID
- 54 have been approved (and therefore are available to be searched)
- 81 have been tagged and are awaiting qc/approval
- The rest will be coded soon!







### Welcome Page

Home Add a New Resource View Resource Listing Search the Portal

#### MUSTID

Welcome to the Material Upload and Search Tool for Infectious Disease (MUSTID) Resource Portal. MUSTID is a searchable resource portal that provides easy access to resources shared by and relevant to WTP on the topic of infectious disease and worker safety. The current focus of this curated collection is COVID-19 and other related diseases such as SARS, MERS and influenza.

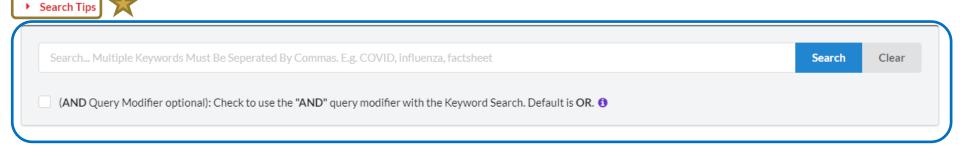
MUSTID contains a variety of resources including guidance documents (e.g., Clinical or Operational Guidelines, Policies/Regulations, Executive Orders), FAQs, Infographics, and scientific articles including research articles, reviews, and commentaries/editorials.

Resources shared by WTP have been curated and tagged with keywords to enhance findability. MUSTID provides detailed references, with links to full text (e.g., attached file or full text online).

Please see our <u>Quick Tips user Guide</u> for help getting started

Add a New Resource

#### Search The Portal





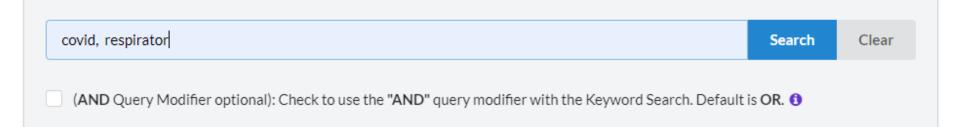
S	Searching Tips
earch	h The Portal
Sear	rch Tips
Se	earch Multiple Keywords Must Be Seperated By Commas. E.g. COVID, influenza, factsheet Clear
	(AND Query Modifier optional): Check to use the "AND" query modifier with the Keyword Search. Default is OR. 6

- The search function searches for keywords in the following text fields: title, description, source (organization), abstract, topic tags, and the fulltext of attached documents, if available.
- Separate multiple search terms with commas (e.g., COVID, respirator).
  - -The default operator is OR so searching with multiple search terms separated by commas will retrieve resources containing *at least one* of the terms in any of the text fields or the full-text file.
  - -Check the AND button to narrow your search. Results will contain both of your search terms.

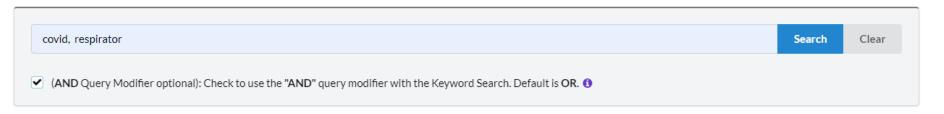


### **Searching Tips (Example)**

## **OR search** results in 39 resources, each resulting resource will have at least one of the search terms



## **AND search** results in 6 resources, each resulting resource is about both COVID-19 AND respirators





### **Search Results**

• Returned search terms will be highlighted in yellow in the search result display. If a search term was found in the full-text PDF, then the PDF link will be highlighted yellow.

Clinical characteristics of 138 hospitalized patients with 2019 novel coronavirus-infected pneumonia in Wuhan, China

Description:

This study reports the clinical characteristics of 138 hospitalized patients with 2019 Novel Coronavirus Infected Pneumonia in Wuhan, China.

Published Date: 02-07-2020 Author(s): Wang D, Hu B, Hu C, Zhu F, Liu X, Zhang J, Wang B, Xiang H, Cheng Z, Xiong Y, Zhao Y, Li Y, Wang X, Peng Z.

Resource Description:

- Format: PDF
- Resource Type: Research Article
- Infectious Disease: COVID-19
- · Topics Covered: Epidemiology, Symptoms / Clinical Characteristics
- · Language: English
- · Country: China
- Abstract:

Citation: Wang D, Hu B, Hu C, et al. Clinical Characteristics of 138 Hospitalized Patients With 2019 Novel Coronavirus-Infected Pneumonia in Wuhan, China [published online ahead of print, 2020 Feb 7]. JAMA. 2020;323(11):1061-1069. doi:10.1001/jama.2020.1585

Download PDF: Wang 2020 JAMA clinical characteristics of COVID patients Wuhan China.pdf



### Information Provided about each Resource

Title of resource, linked to full-text or abstract

Short description of resource

Published date and Authors and/or Source (Agency/Institution)

Metadata and topic tags assigned the resource

Click the arrow to open the abstract if available

**Resource citation** 

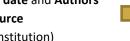
File attachment



Coronavirus survival on healthcare personal protective equipment

#### Description:

This research brief examined the survival and inactivation of coronaviruses on PPE and found that Coronavirus survival on PPE items varies by material, but infectious virus was detectable on all materials for at least 4 hours. The potential long term survival of viruses on PPE is an important factor when formulating recommendations for removal and handling of used PPE and reuse of PPE in the pandemic setting.



Published Date: 05-31-2010 Author(s): Casanova L, Rutala WA, Weber DJ, Sobsey MD

**Resource Description:** 

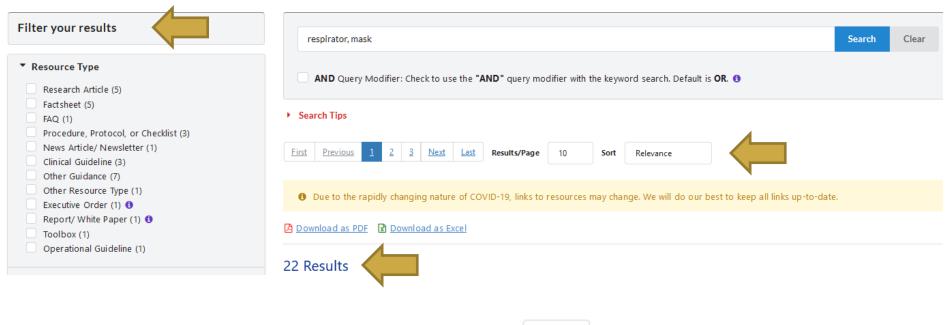
- Format: PDF
- Resource Type: Research Article
- Infectious Disease: SARS (Severe Acute Respiratory Syndrome)
- Topics Covered: Dermal/ Surface Transmission, General PPE, Gloves, Gowns, Respiratory Protection, Risk of Transmission
- Industry: Healthcare/Public Health/Human Services
- Language: English
- Abstract:

Citation: Casanova L, Rutala WA, Weber DJ, Sobsey MD. Coronavirus survival on healthcare personal protective equipment. Infect Control Hosp Epidemiol. 2010;31(5):560-561. doi:10.1086/652452

Download PDF: Casanova 2010 coronavirus-survival-on-healthcare-personal-protective-equipment-div.pdf



### **Results Display Features**

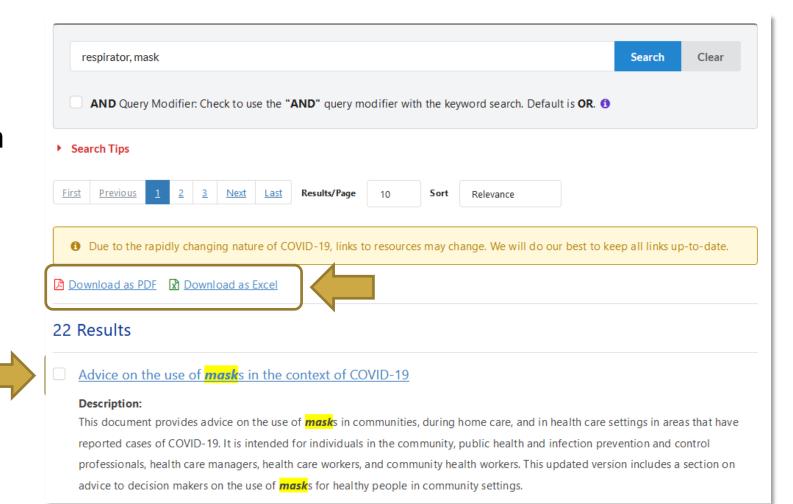


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### **Exporting Results**

Export results in either PDF or Excel format





### **Live Demo**

<u>https://connect.niehs.nih.gov/wetcis/mustid/</u>



### How to Add Resources to MUSTID

- You have two options to add a resource to MUSTID.
- Upload individual resource directly to MUSTID using the New Resource Upload Form accessed by clicking on the Add a New Resource link.
- 2. Email resources to Lesley Skalla

(Iskalla@michaeldbaker.com) either as single item or as a list of resources in Excel. Please include the following information: resource title, URL, and the fulltext if available. Any other info is appreciated.

*Either way is perfectly acceptable, it is your preference!* 



### To Upload a Resource Directly to MUSTID

Start on	Home         Add a New Resource         View Resource Listing         Search the Portal				
the <b>Add</b>	MUSTID				
New	Welcome to the Material Upload and Search Tool for Infectious Disease (MUSTID) Resource Portal. MUSTID is a searchable resource portal that provides easy access to resources shared by and relevant to WTP on the topic of infectious disease and worker safety. The current focus of this curated collection is COVID-19 and other related diseases such as SARS, MERS and influenza.				
Resources shared by WTP have been curated and tagged with keywords to enhance findability. MUSTID provides detailed references, with links to full text (e.g., attached file or full text					
bage	Please see our <u>Quick Tips User Guide</u> for help getting started.  Add a New Resource Search the Portal				
	Search Tips				
	Search Multiple Keywords Must Be Seperated By Commas. E.g. COVID, influenza, factsheet Clear				
	AND Query Modifier: Check to use the "AND" query modifier with the keyword search. Default is OR. ()				



Home

#### **Provide Metadata**

Fill in basic information about the resource using the text fields on the right-hand side of the upload form.

#### MUSTID New Resource Upload Form

View Resource Listing

Welcome to the MUSTID New Resource Upload Form. The upload process is simple. Fill in all required text fields on the right-hand side (Title, Description, and URL link) and any optional fields you like. Files are uploaded at the bottom of the page.

Search the Portal

You are welcome to add resource tags using the check boxes on the left to describe the resource but this is optional. Clearinghouse staff will make sure topic tags are applied. When you are done adding information to the form, click the Submit button and you are done! If you need to make any changes to the record, you can access the record from the MUSTID Resource Listing page within 20 minutes of upload.

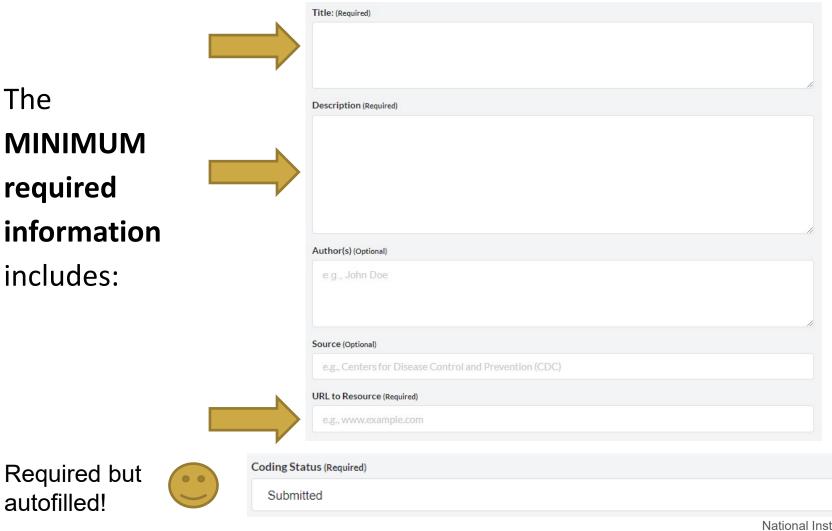
How to Upload a New Resource

Add a New Resource

<ul> <li>Resource Type</li> </ul>	10 <del>5</del> 3.
Factsheet	
FAQ	Title: (Required)
Guidance Document	
Clinical Guideline	
Executive Order ()	
Operational Guideline	
Policy / Regulation (1)	
Procedure, Protocol, or Checklist	Description (Required)
Training Material	
Other Guidance	
Infographic	
News Article/ Newsletter	
Publication	
Commentary/ Opinion	
Research Article	
Review Article	
Report/White Paper ()	Author(s) (Optional)
Systematic Review and Meta-analysis	e.g., John Doe
Trade Journal Article	olg., on the o
Other Publication	

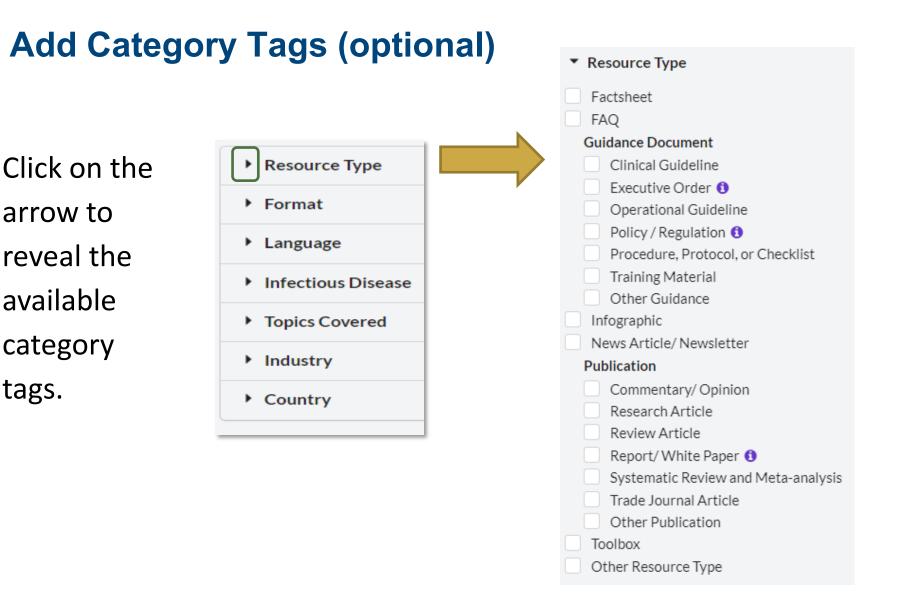


#### **Fill out the Text Boxes**



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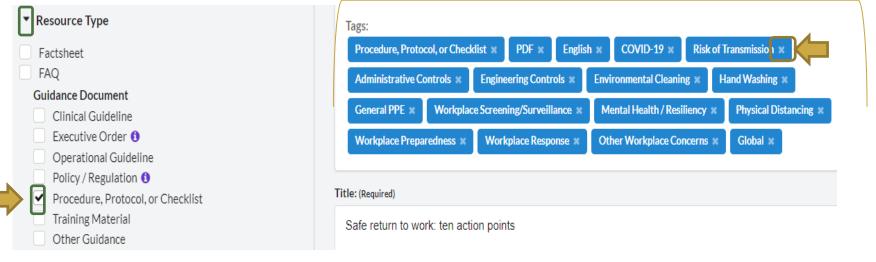






### Add Category Tags (optional)

Click the box to select the tag. The selected tag will appear in the Tags box on top of the Upload Form. You can **remove tags** by either **clicking the "x" on the tag** in the tag box, or by **unclicking the check box** next to the tag on the left-hand panel. **Tag Box** 





### **To Attach the File and Submit your Resource**

To **upload a file**, scroll down to the bottom of the New Resource Upload Form and click the **Choose File** button.



Then you are ready to upload the record! Click the **Submit button**.

Clearinghouse staff will review your submission, add any needed metadata or topic tags, standardize formatting, and then approve the record for inclusion in MUSTID.

