

# Reclassification of Infectious Disease in the Mondo Disease Ontology

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The Mondo Disease Ontology is a unified disease ontology that integrates multiple source terminologies and provides semantic mappings between sources.

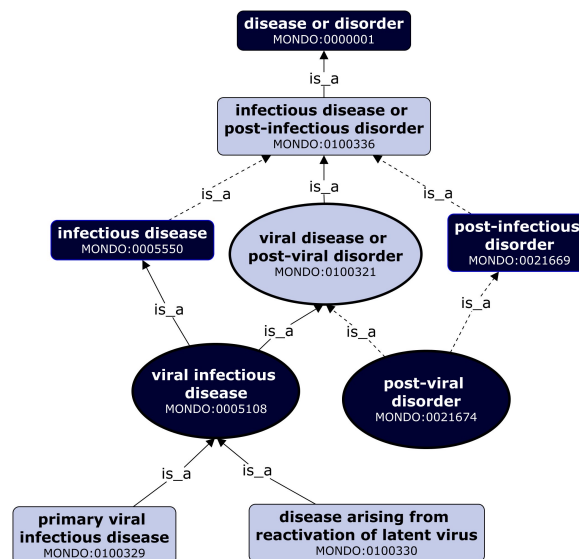
## Goals

Recent efforts sought to improve the representation of 'viral infectious diseases' in Mondo, to properly represent primary infections, diseases caused by reactivation of a latent virus, such as shingles and diseases caused by aftereffects of a primary infection such as long COVID-19. This included the addition of new classes and new relations (object properties), and the creation of new design patterns.

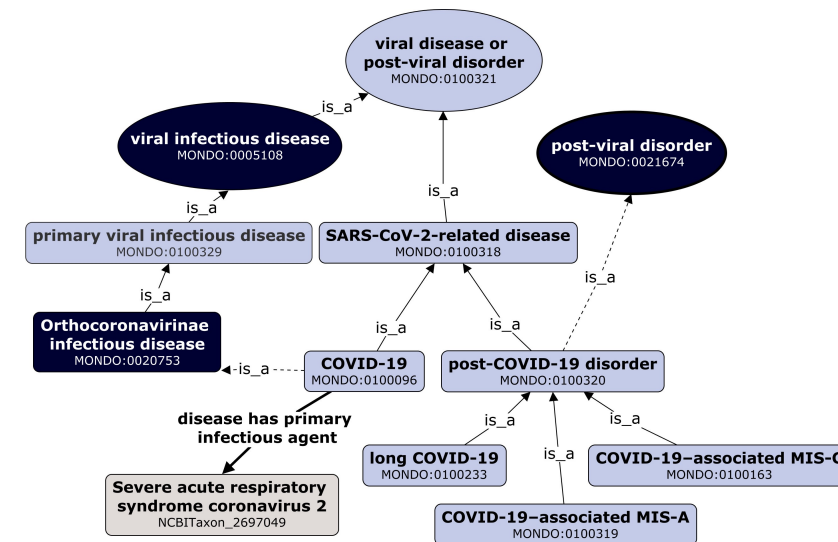
## Classification of infectious diseases and viral diseases in Mondo

### New terms were created to classify infectious diseases.

Light filled boxes - newly added terms, dark filled boxes - pre-existing terms. Solid lines - asserted superclass Of relationship, dotted lines - inferred classes. Oval-shaped boxes indicate terms that overlap in both figures.



## Representation of 'SARS-CoV-2-related disease' classification in Mondo



**Addition and reclassification of COVID-19 and affiliated classes.** Light colored boxes - newly added terms, dark colored boxes - pre-existing terms. Solid lines - asserted superclass Of relationship, dotted lines - inferred classes. Bold line and text - object property relationship ('disease has primary infectious agent').

## Contact Us



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github.com/monarch-initiative/mondo

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