

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.

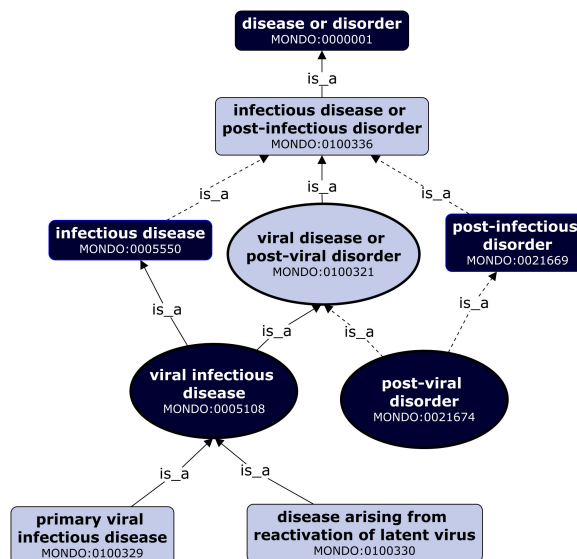
Goals

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.

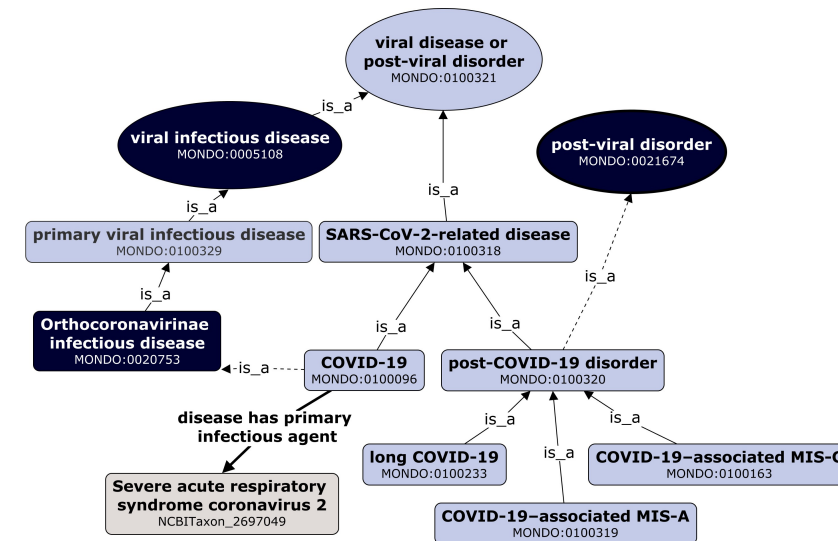
Classification of infectious diseases and viral diseases in Mondo

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').

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github.com/monarch-initiative/mondo

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