



Sample formalisation differences:

$\text{COVID19 treatment drug} \sqcap \text{COVID19 vaccine} \sqsubseteq \perp$ versus
 $\text{COVID19 treatment drug} \sqsubseteq \neg \text{COVID19 vaccine}$
 $\text{Inoculation} \sqsubseteq = 1 \text{ inoculatedWith. COVID19 vaccine}$ versus
 $\text{Inoculation} \sqsubseteq \exists \text{inoculatedWith. COVID19 vaccine}$
 $\text{Inoculation} \sqsubseteq \leq 1 \text{ inoculatedWith. COVID19 vaccine}$

Serialisation variants:

`SubclassOf(Inoculation ObjectExactCardinality(1 inoculatedWith COVID19Vaccine))` versus
`Class: Inoculation`
`SubClassOf: inoculatedWith exactly 1 COVID19Vaccine`

Sample verbalisation sentences:

Each COVID-19 medicine has attribute **name** with datatype **string**.
 Each COVID-19 medicine is **approved by** at least 1 **Regulatory Org**.
 Each **Regulatory Body** may **approve** a **COVID-19 medicine**.

Sample validation sentences:

Can there be a **COVID-19 medicine** that is
 neither a **COVID-19 treatment drug** nor a **COVID-19 vaccine**?
 Is each **Pfizer vaccine** a **COVID-19 vaccine**?