

# **INCODA prioritization**

Sept 8, 2020

	Host	Host	SEC	Viral
Questions	Is there a correlation between common co-morbidities and COVID-19 infection and severity?	Is there a correlation between care utilization and COVID-19 infection and severity?	Is there a correlation between sociodemographic factors and COVID-19 infection and severity?	Is severity of disease related to intensity of exposure (innoculum dose, aerosolization, duration of exposure)?
What can be answered now	<ul style="list-style-type: none"> <li>Describe co-morbidities among hospitalized, stratified by severity and over time</li> </ul>	<ul style="list-style-type: none"> <li>Describe care utilization <u>pre</u> and <u>post</u> admission among hospitalized, stratified by severity (or use zipcode)</li> </ul>	<ul style="list-style-type: none"> <li>Describe SEC* among hospitalized, stratified by severity</li> <li>Social deprivation in relation to severity</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate if correlation between cluster in household and severity of disease among hospitalized</li> </ul>
Added value CBS micro data	<ul style="list-style-type: none"> <li>Access to details of co-morbidities,                             <ul style="list-style-type: none"> <li>e.g. insulin dependent vs non-dependent DM, duration of CVD, etc</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Access to care utilization data</li> </ul>	<ul style="list-style-type: none"> <li>Access to SEC data</li> </ul>	<ul style="list-style-type: none"> <li>Access to household status data</li> </ul>
Needed data	<ul style="list-style-type: none"> <li><u>Testing data</u> to compare co-morbidities among non-hospitalized and hospitalized</li> <li>Broaden <u>hospital data</u></li> </ul>	<ul style="list-style-type: none"> <li><u>Testing data</u> to compare care utilization among general population, non-severe and hospitalized pre and post-infection</li> <li><u>Post COVID-19 poli</u> data to correlate post-inf symptoms to care util.</li> </ul>	<ul style="list-style-type: none"> <li><u>Testing data</u> to compare SEC among general population, non-severe and hospitalized pre and post-infection</li> </ul>	<ul style="list-style-type: none"> <li>Testing data</li> <li><u>Household detail</u></li> <li>Evaluate clusters of severe infections in households                             <ul style="list-style-type: none"> <li>super spreaders =&gt; few households w/everyone severe infection</li> <li>vs conditional risk =&gt; a lot of households w/severe infection;</li> <li>wide vs narrow heterogeneity?</li> </ul> </li> </ul>
Policy implications	<ul style="list-style-type: none"> <li>Identify highest-risk patients, allowing                             <ul style="list-style-type: none"> <li>vaccine prioritization</li> <li>narrowed social protective measures</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Identify highest-risk patients, allowing                             <ul style="list-style-type: none"> <li>vaccine prioritization</li> <li>narrowed social protective measure</li> </ul> </li> <li>Characterize costs</li> <li>Evidence for preventive care interventions post-COVID</li> </ul>	<ul style="list-style-type: none"> <li>organization of home care delivery,</li> <li>resource allocation:                             <ul style="list-style-type: none"> <li>education,</li> <li>targeted social distancing</li> <li>vaccination prioritization</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Advice for household and community control =&gt; community vs household masking</li> </ul>

	SEC*	Additional questions
<b>Questions</b>	<ul style="list-style-type: none"><li>• disposable income</li><li>• education level</li><li>• immigration status</li><li>• marital status</li><li>• working status</li><li>• essential/non-essential work</li><li>• place of residence - nursing home, apartment, house etc</li><li>• type of care - thuis zorg vs not</li><li>• Household composition - intergenerational, number children, etc</li><li>• change in income status during COVID-19</li></ul>	