

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	Describe co-morbidities among hospitalized, stratified by severity and over time	Describe care utilization <u>pre</u> and <u>post</u> admission among hospitalized, stratified by severity (or use zipcode)	- Describe SEC* among hospitalized, stratified by severity - Social deprivation in relation to severity	Evaluate if correlation between cluster in household and severity of disease among hospitalized
Added value CBS micro data	- Access to details of co-morbidities, - e.g. insulin dependent vs non-dependent DM, duration of CVD, etc	Access to care utilization data	Access to SEC data	Access to household status data
Needed data	<u>Testing data</u> too compare co-morbidities among non-hospitalized and hospitalized - Broaden <u>hospital data</u>	<u>Testing data</u> to compare care utilization among general population, non-severe and hospitalized pre and post-infection <u>Post COVID-19 poli</u> data to correlate post-inf symptoms to care util.	<u>Testing data</u> to compare SEC among general population, non-severe and hospitalized pre and post-infection	<u>Testing data</u> <u>Household detail</u> - Evaluate clusters of severe infections in households - super spreaders => few households w/everyone severe infection - vs conditional risk => a lot of households w/severe infection; - wide vs narrow heterogeneity?
Policy implications	Identify highest-risk patients, allowing - vaccine prioritization - narrowed social protective measures	Identify highest-risk patients, allowing - vaccine prioritization - narrowed social protective measure Characterize costs Evidence for preventive care interventions post-COVID	- organization of home care delivery, - resource allocation: - education, - targeted social distancing - vaccination prioritization	Advice for household and community control => community vs household masking

SEC*		Additional questions
Questions	• disposable income • education level • immigration status • marital status • working status • essential/non-essential work • place of residence - nursing home, apartment, house etc • type of care - thuis zorg vs not • Household composition - intergenerational, number children, etc • change in income status during COVID-19	