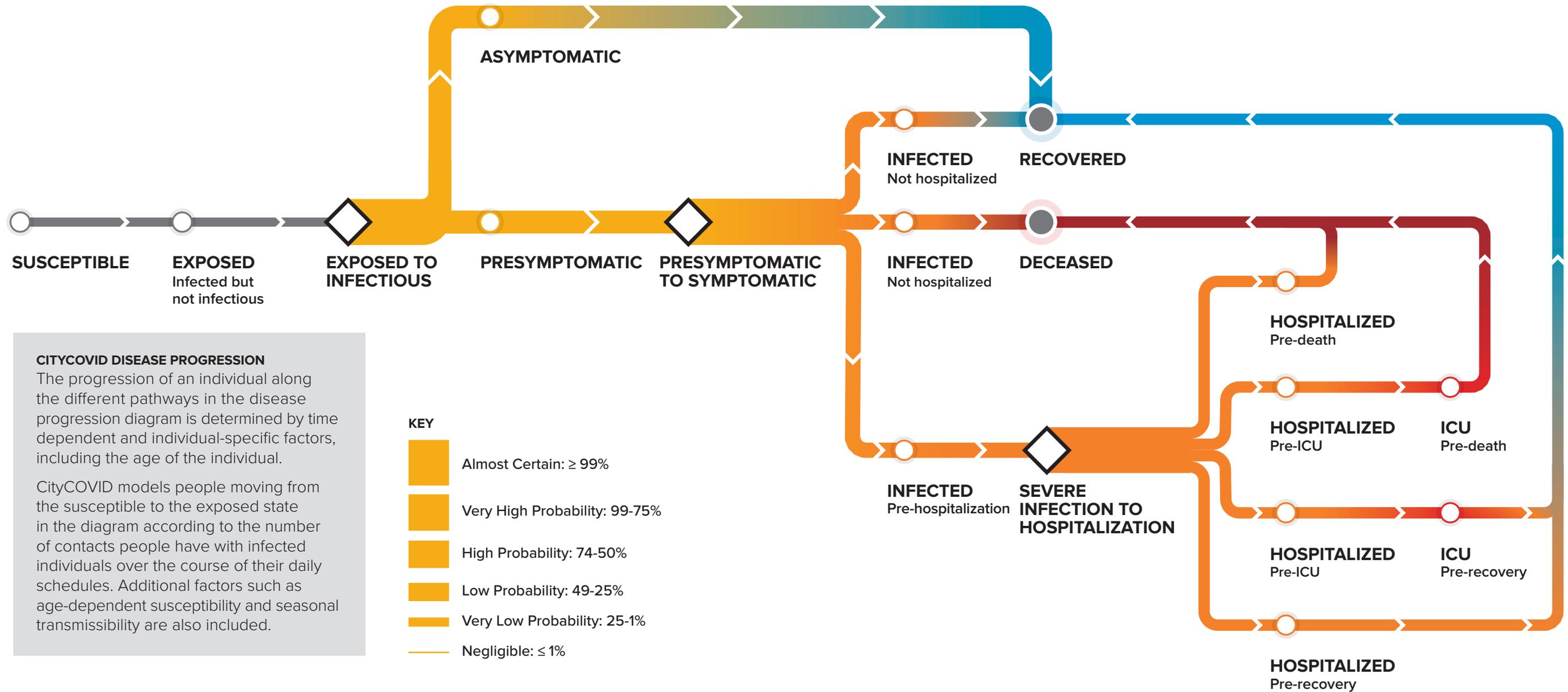


MODELING AN INDIVIDUAL'S PROGRESSION OF COVID-19

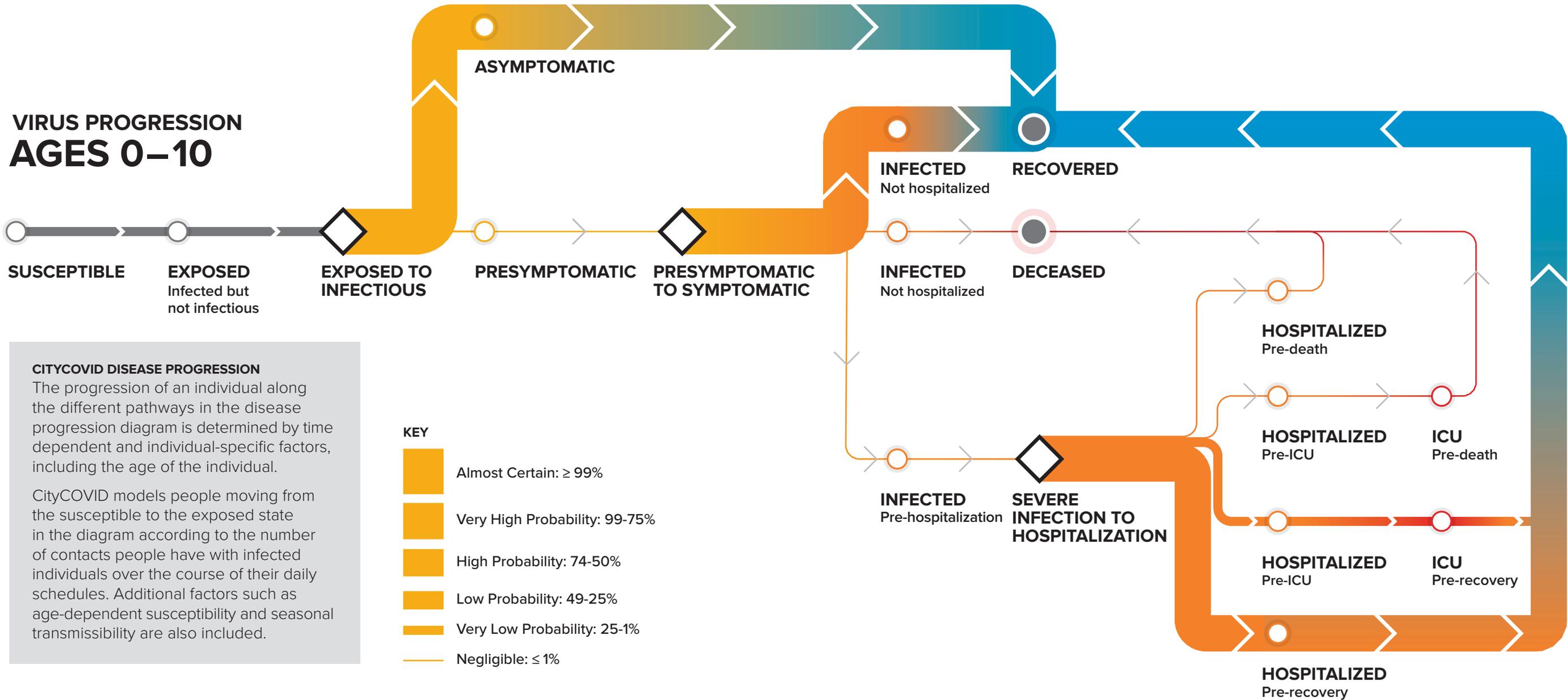


CITYCOVID DISEASE PROGRESSION

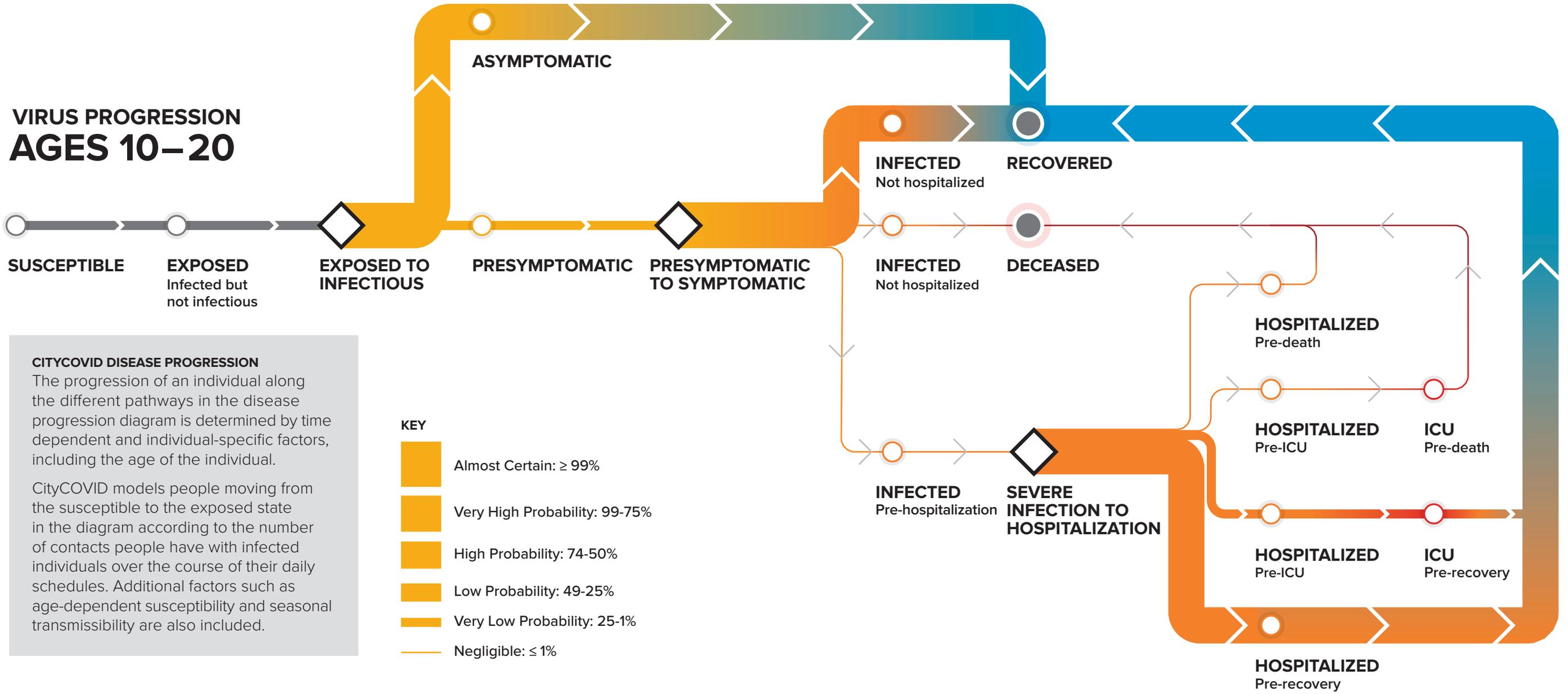
The progression of an individual along the different pathways in the disease progression diagram is determined by time dependent and individual-specific factors, including the age of the individual.

CityCOVID models people moving from the susceptible to the exposed state in the diagram according to the number of contacts people have with infected individuals over the course of their daily schedules. Additional factors such as age-dependent susceptibility and seasonal transmissibility are also included.

MODELING AN INDIVIDUAL'S PROGRESSION OF COVID-19



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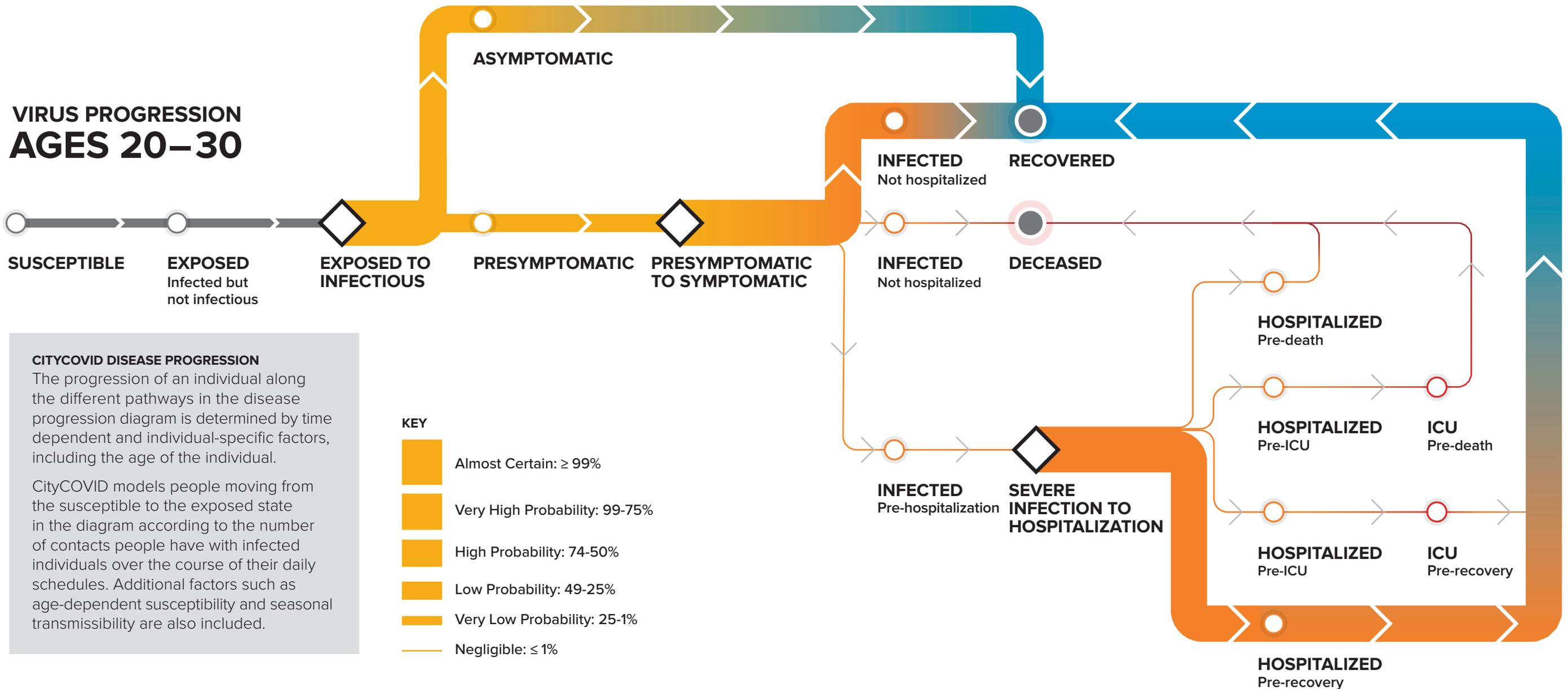


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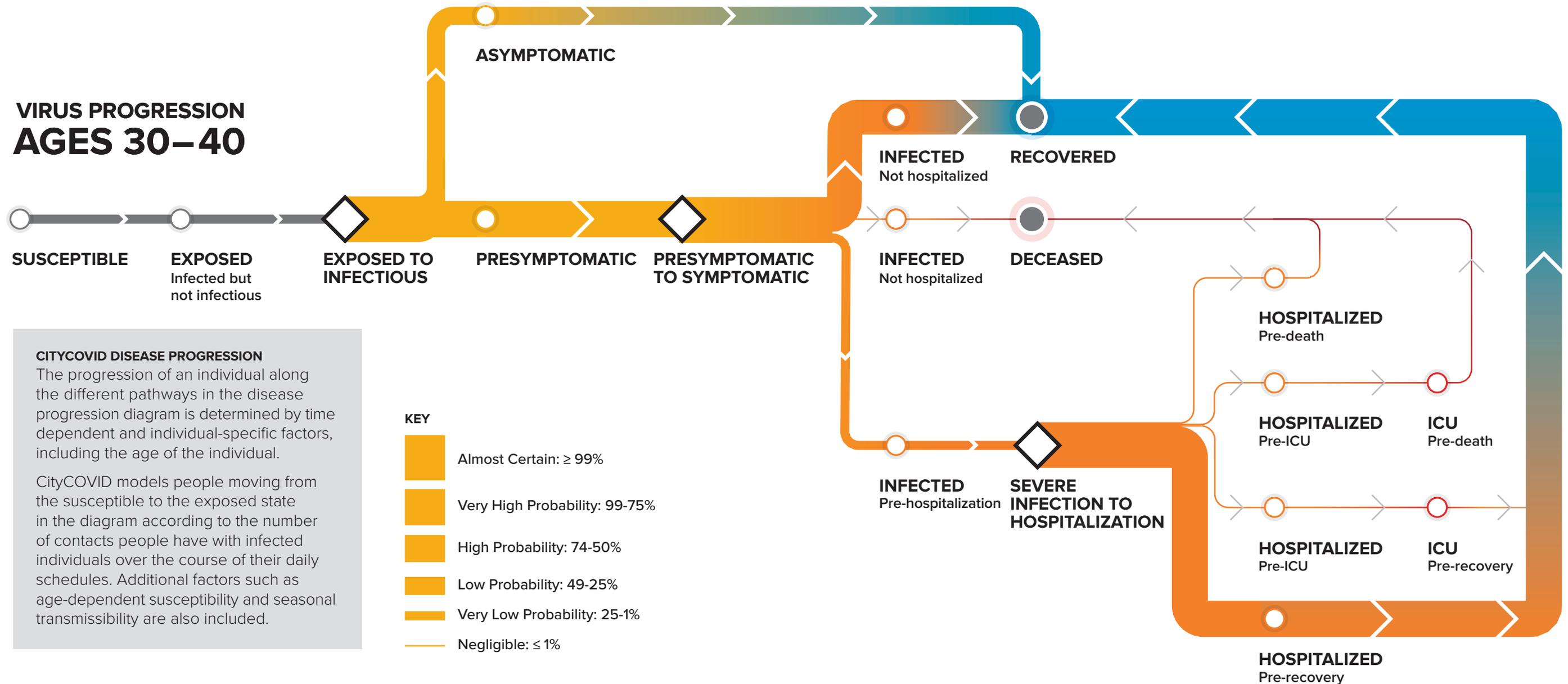
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MODELING AN INDIVIDUAL'S PROGRESSION OF COVID-19



MODELING AN INDIVIDUAL'S PROGRESSION OF COVID-19

VIRUS PROGRESSION AGES 30-40



CITYCOVID DISEASE PROGRESSION

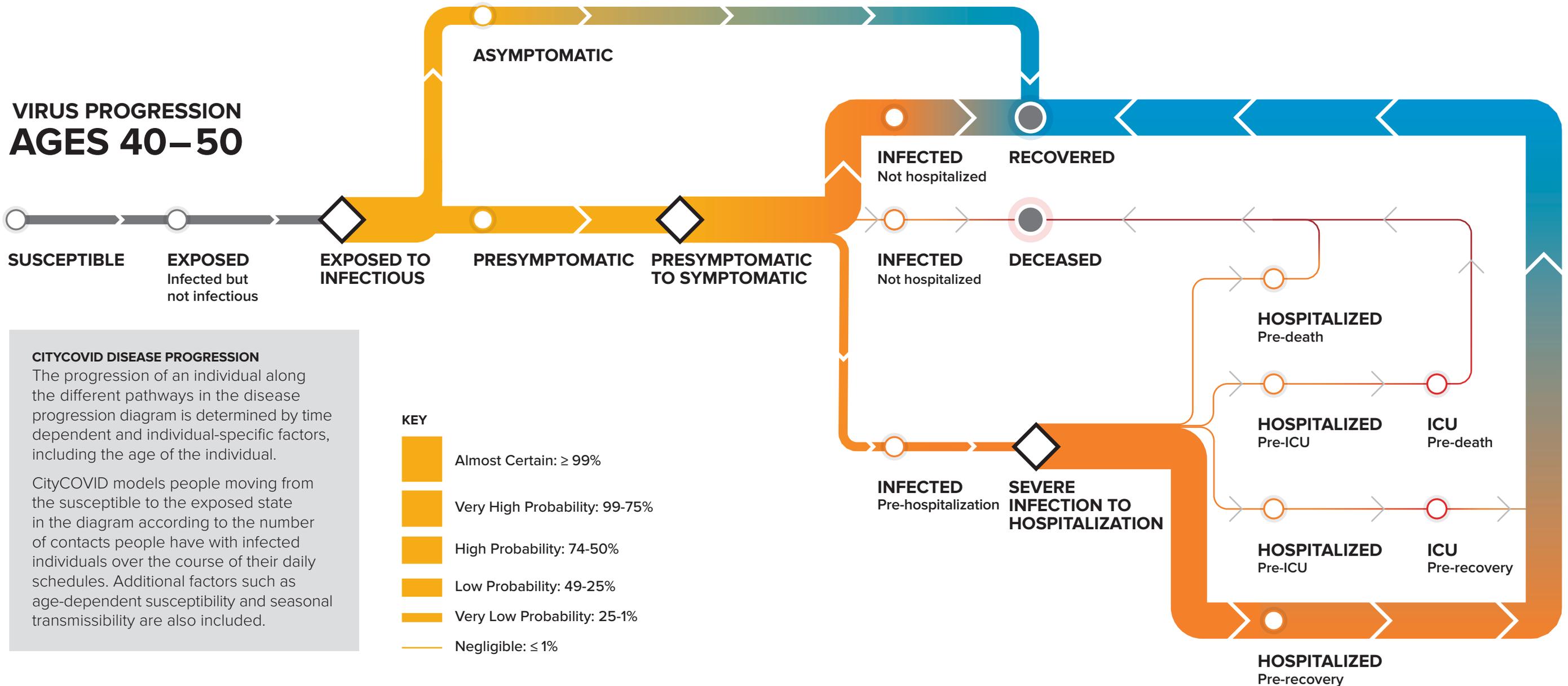
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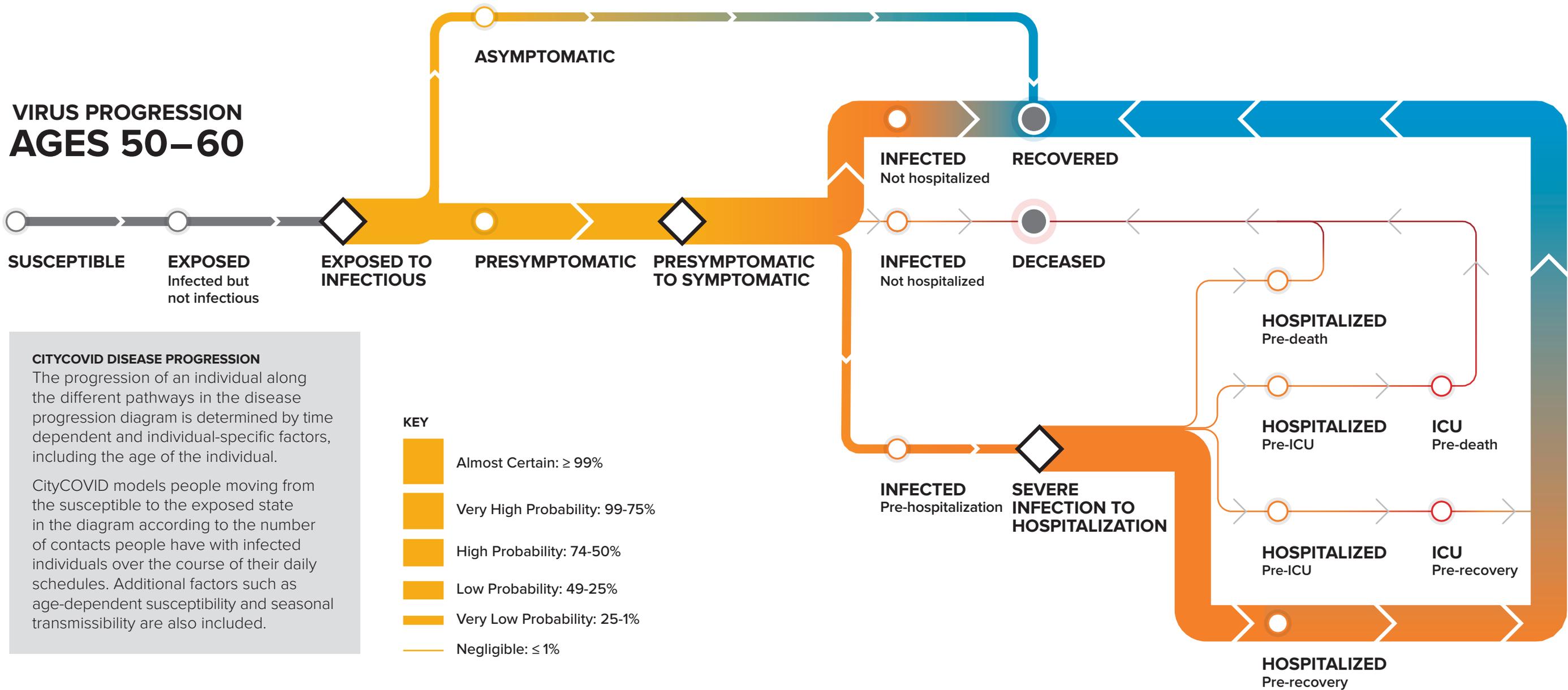
KEY

- Almost Certain: $\geq 99\%$
- Very High Probability: 99-75%
- High Probability: 74-50%
- Low Probability: 49-25%
- Very Low Probability: 25-1%
- Negligible: $\leq 1\%$

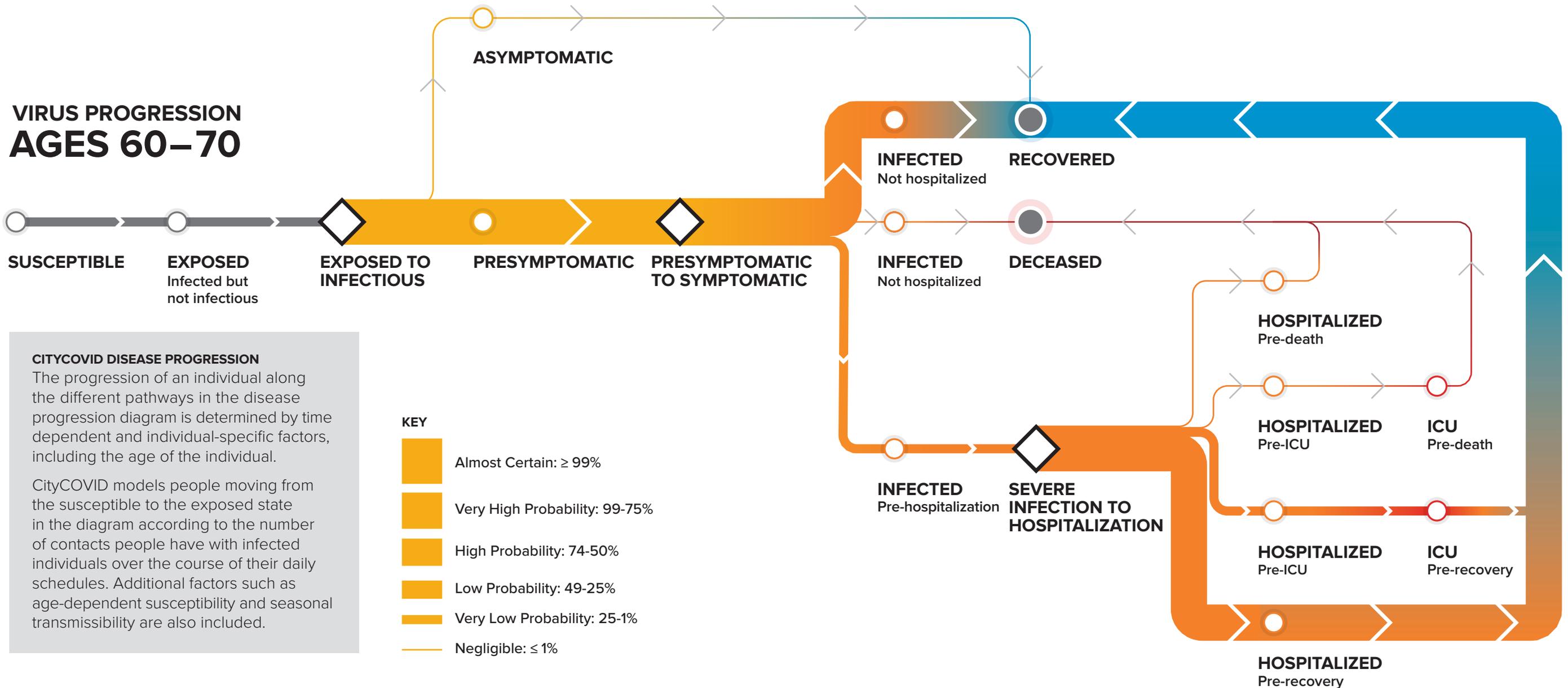
MODELING AN INDIVIDUAL'S PROGRESSION OF COVID-19



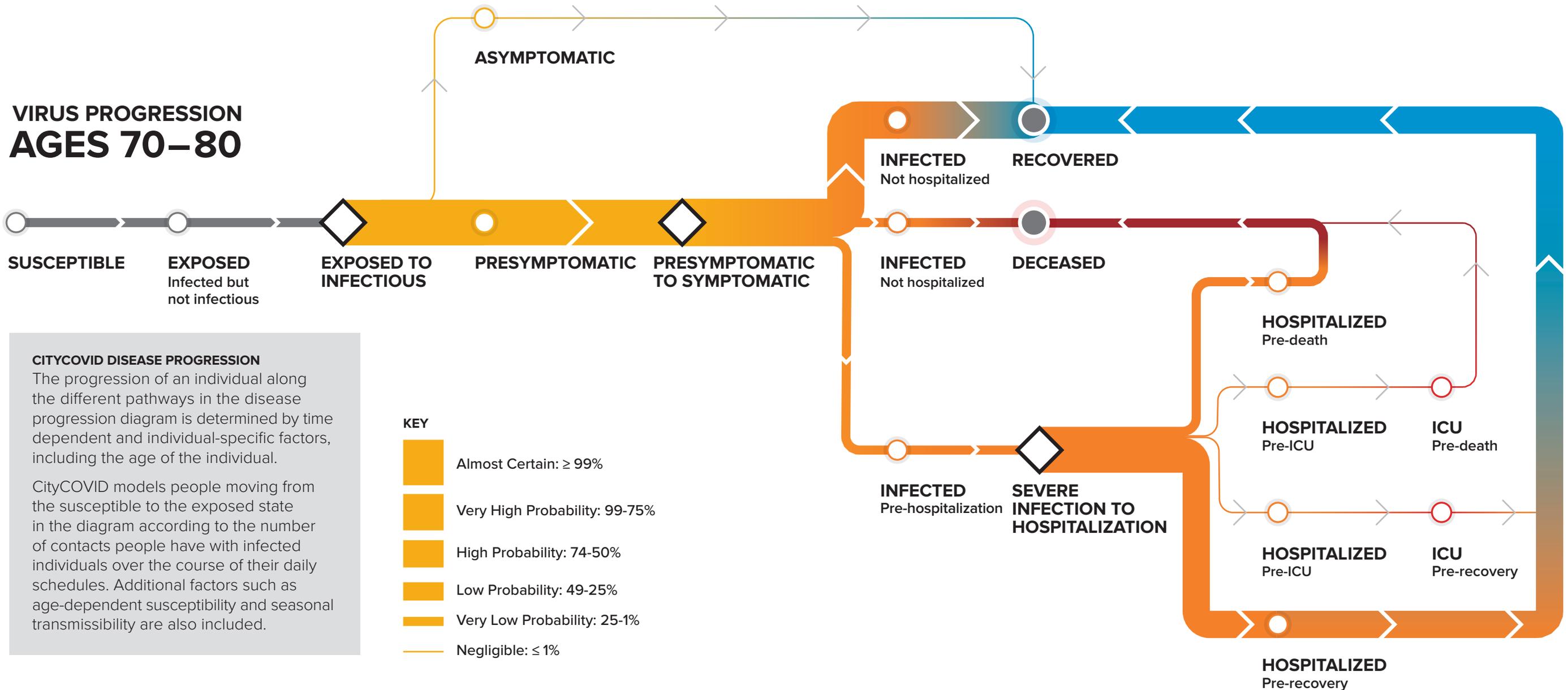
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