

Reduction in remaining life expectancy due to COVID-19 deaths

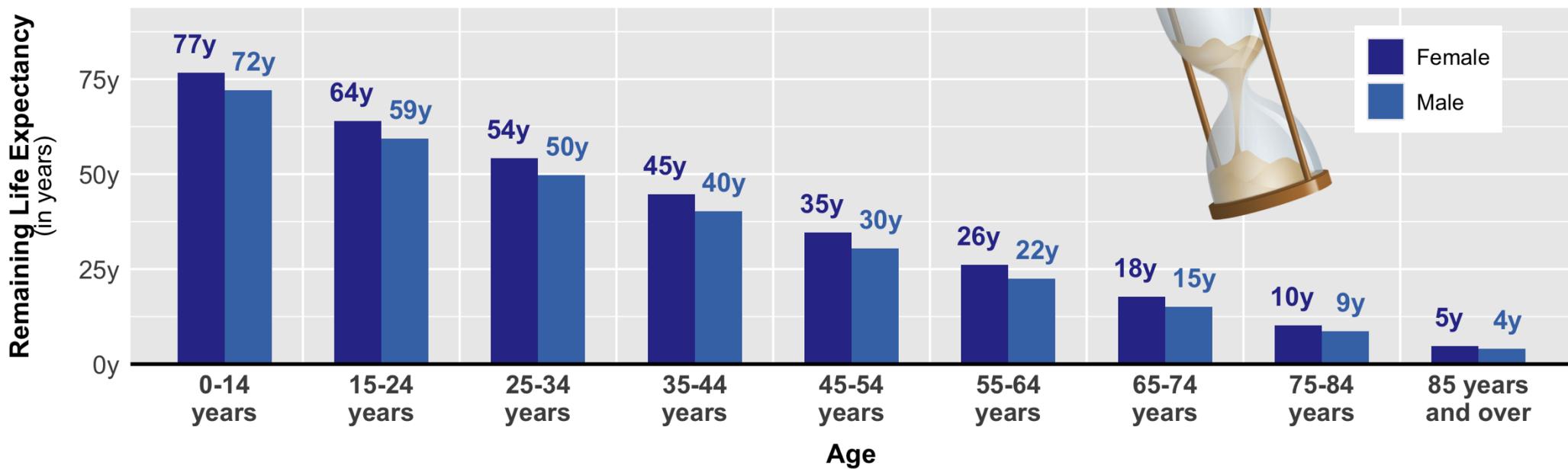
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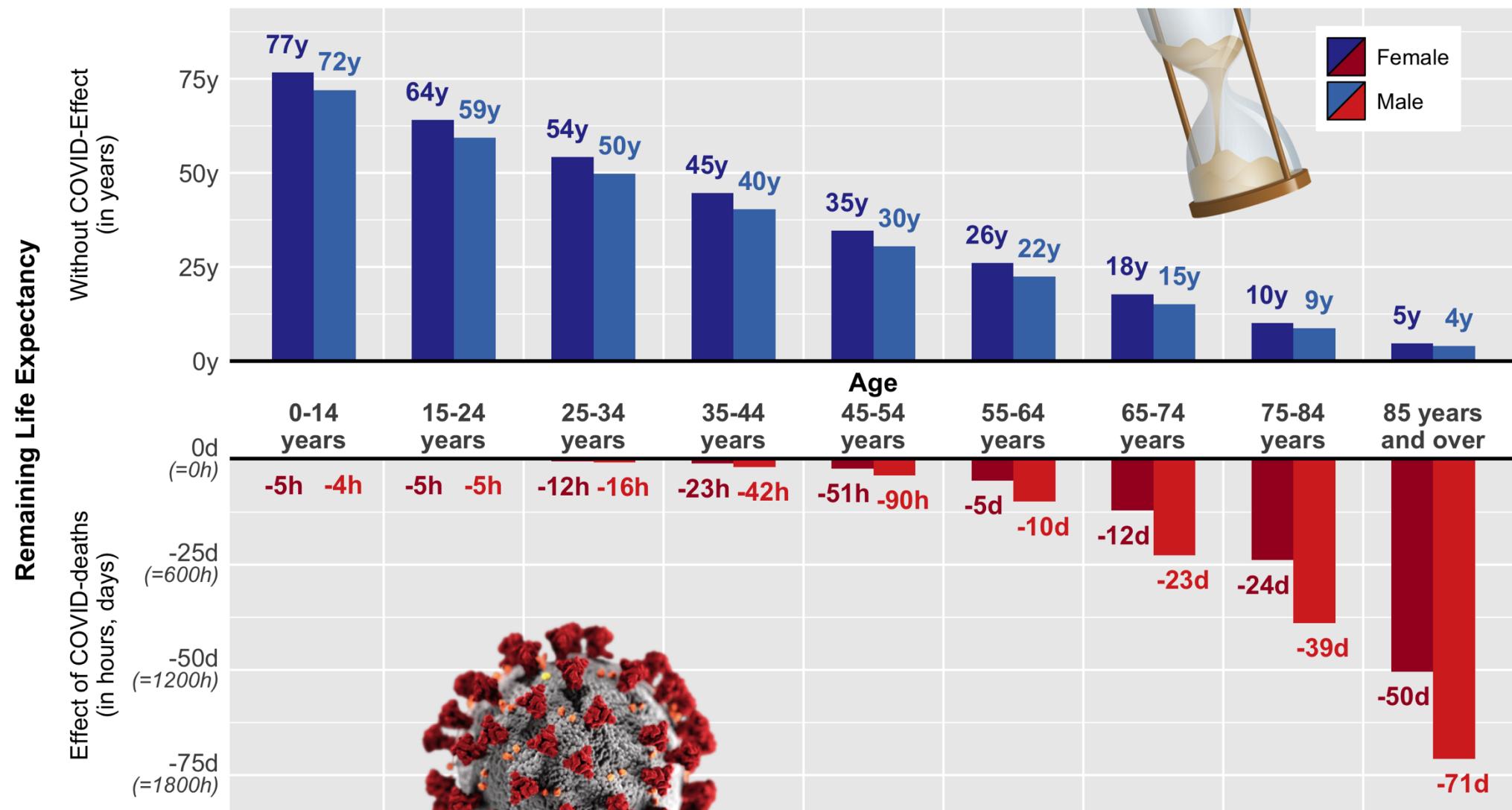
Supervisor: Dr. Jan Zilinsky

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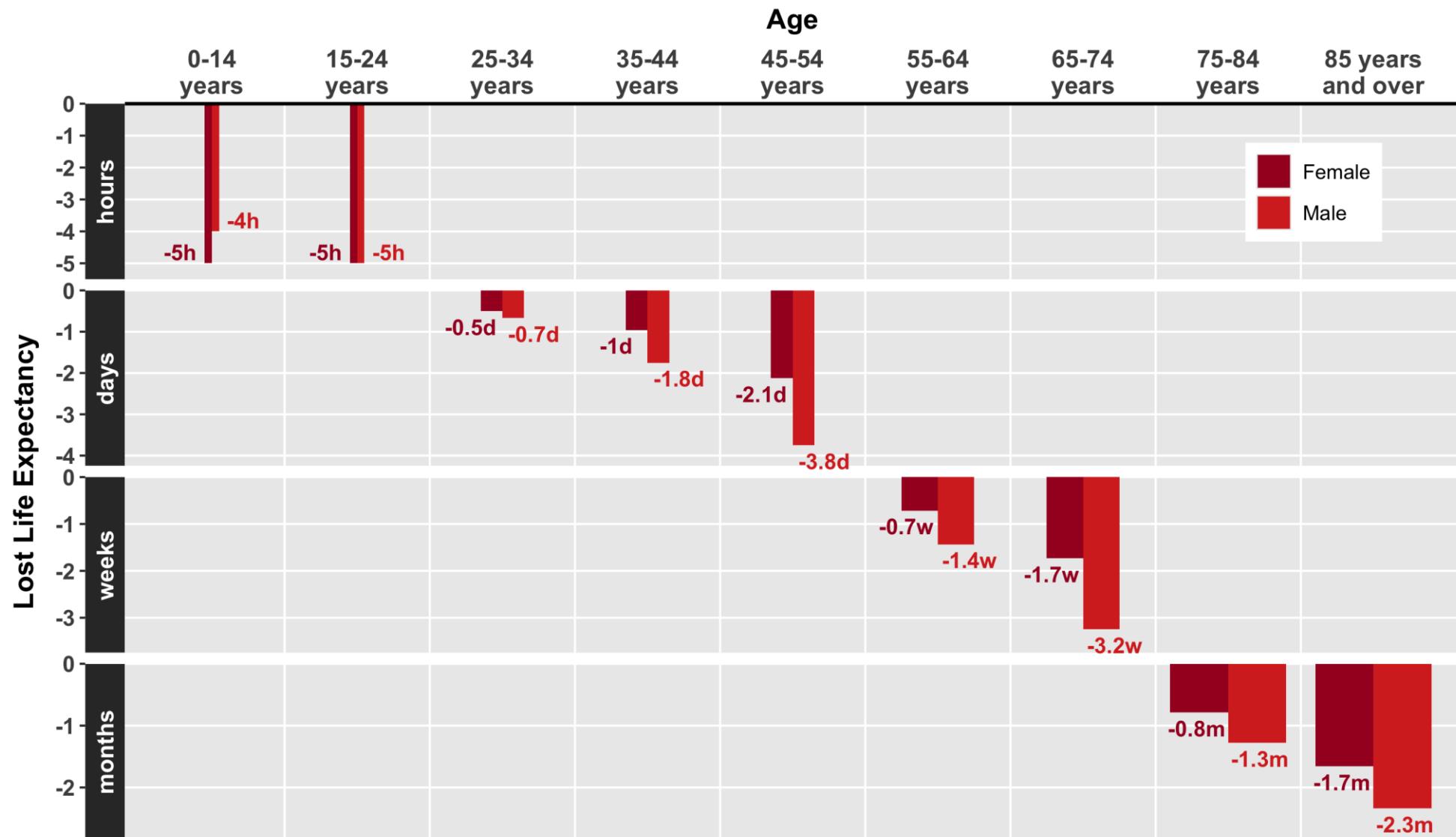
Remaining Life Expectancy of Age Groups



Average remaining life expectancy and the effect of COVID-19 deaths on it

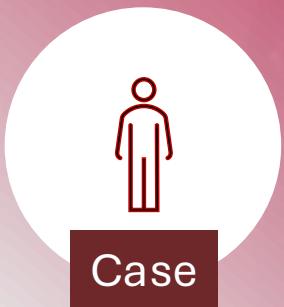


Loss of Life Expectancy due to COVID-19 Deaths by Age Group



Research Question: How have COVID-19 deaths affected age-specific remaining life expectancy?

New Perspective:



More time lost?

Younger → Higher remaining life expectancy → Greater time lost due to COVID-19 deaths despite fewer cases?



Less time lost?

Older → Lower remaining life expectancy → Lower time lost due to COVID-19 deaths despite more cases?

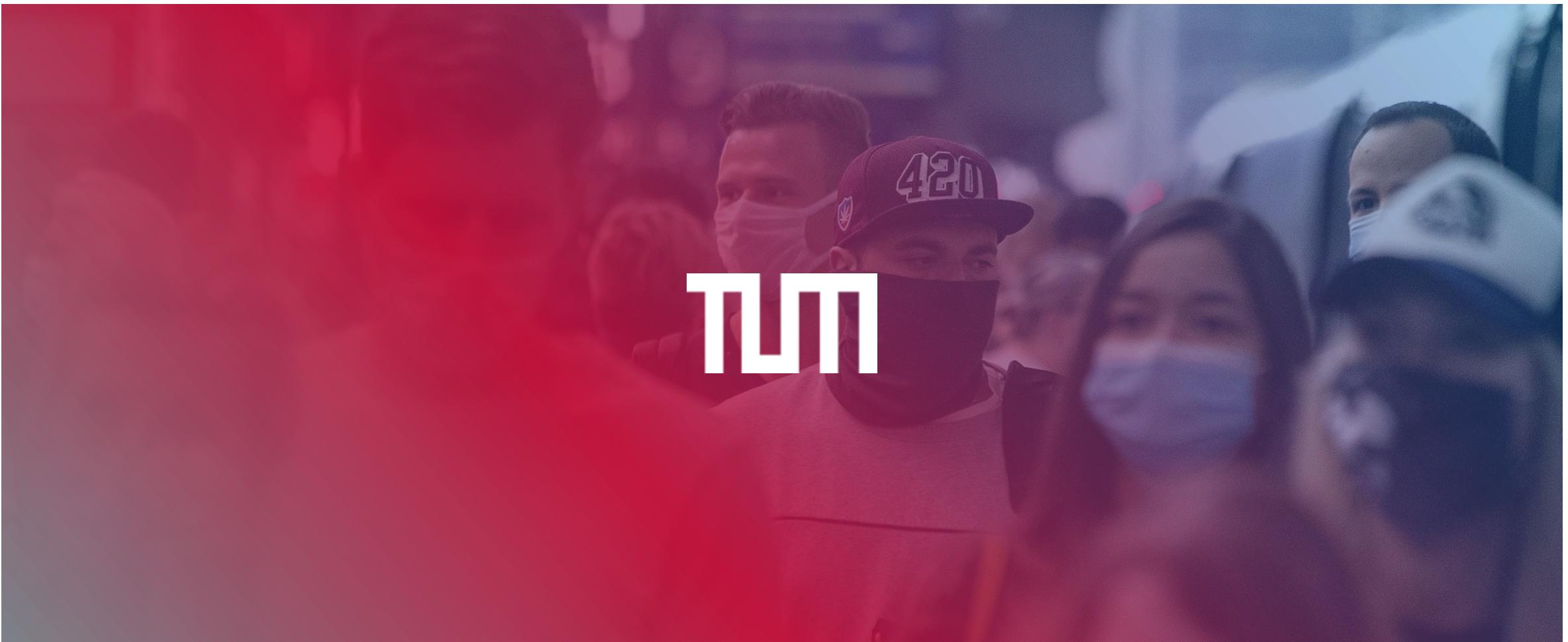
Three data sets from Destatis were used to calculate the average loss of life expectancy by age group.



Life expectancy	Gender	Age Year
Covid deaths	Gender	Age Group
# Population	Gender	Age Year

Average loss of life
expectancy by age group

(life expectancy per age group * number of COVID-19 deaths per age group)
/ Population size per age group



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<https://github.com/thybaoduongnguyen/COVID-life-time-reduction>

Backup

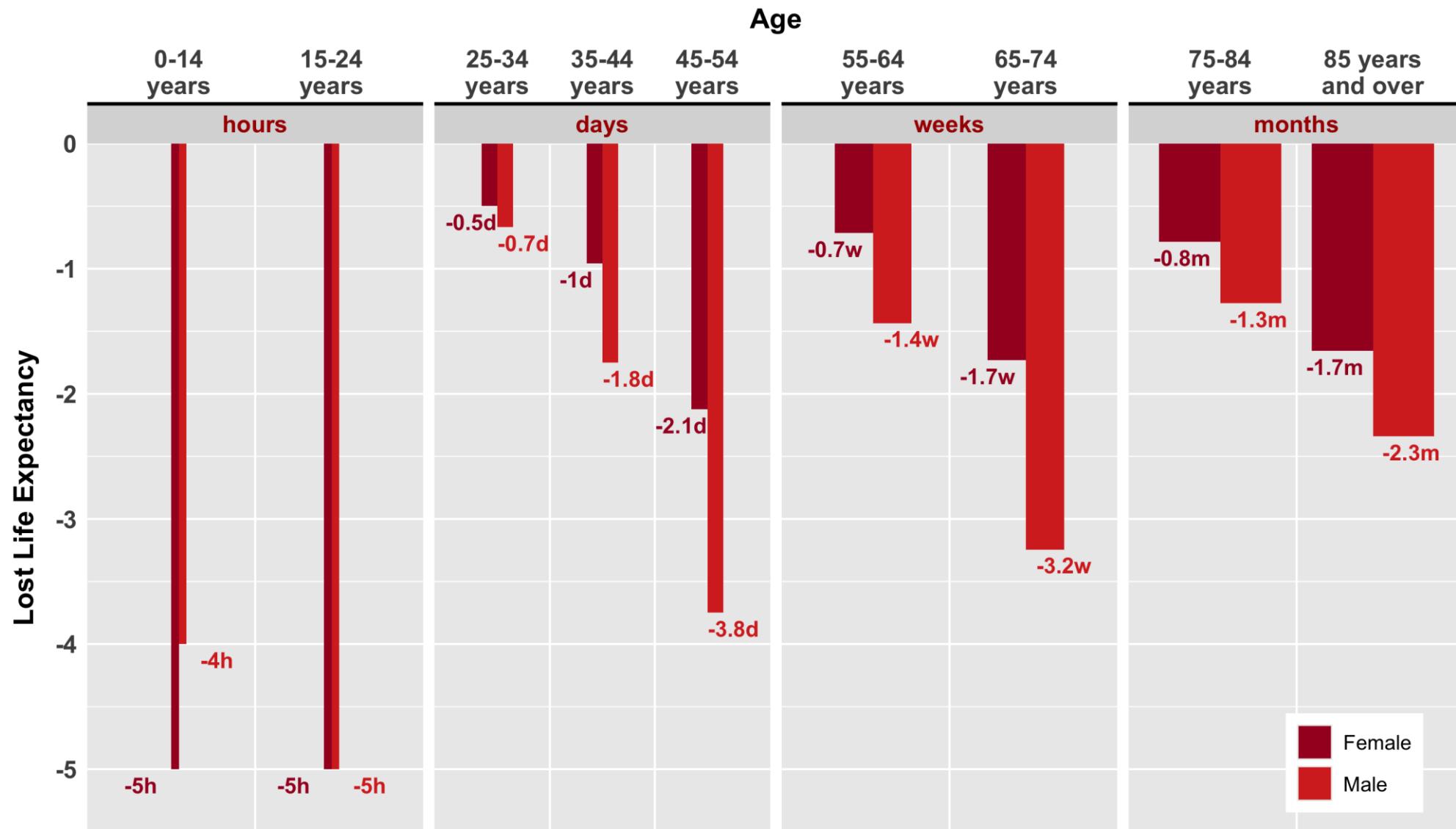
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Loss of Life Expectancy due to COVID-19 Deaths by Age Group



Lost years of life expectancy due to COVID-19 deaths for each age group in total

