

*Brookline Remote Learning Expert  
Advisory Panel on Public Health, Safety,  
and Logistics*

*Prepared July 24, 2020*

**\*\* DRAFT DOCUMENT – SUBJECT TO  
REVISION\*\***

# Transmission Risks by Age Group

Exposure  
to Virus

Risk of getting  
infected<sup>1</sup>

Risk of transmitting  
infection<sup>2</sup>

Viral Spread



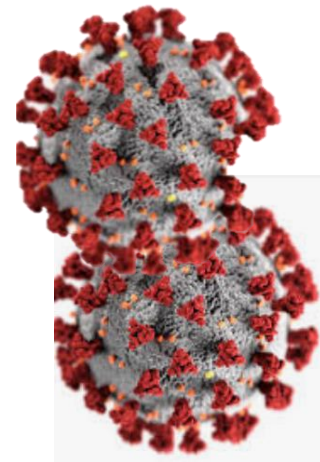
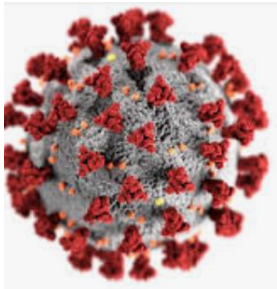
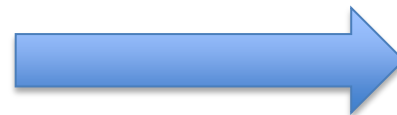
*Younger  
Children  
(0-9)*



*Older  
Children  
(10-19)*



*Adults*



Sources:

1- <https://academic.oup.com/cid/article/doi/10.1093/cid/ciaa450/5821281>

2- [https://wwwnc.cdc.gov/eid/article/26/10/20-1315\\_article](https://wwwnc.cdc.gov/eid/article/26/10/20-1315_article)

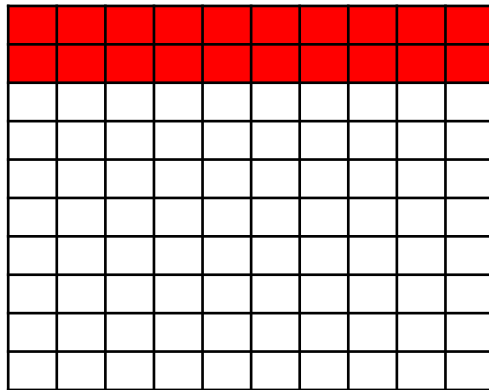
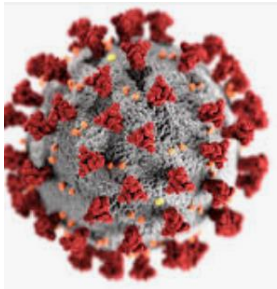
# Adults: Household Contacts

Exposure  
to Virus

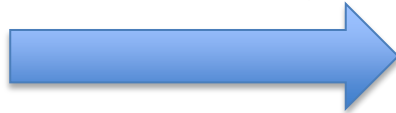
Risk of getting  
infected<sup>1</sup>

Risk of transmitting  
infection<sup>2</sup>

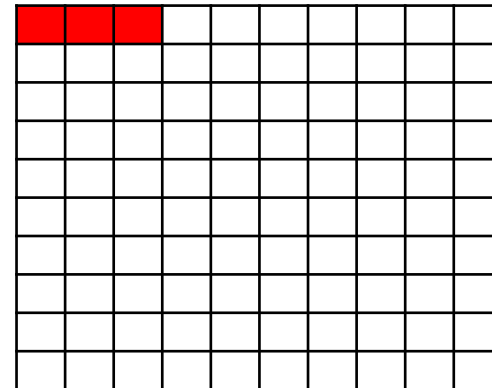
Viral Spread



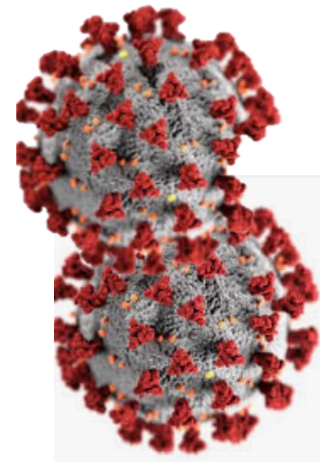
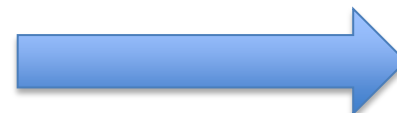
20% of those exposed



*Adults*



~14% of those infected



Sources:

1- <https://academic.oup.com/cid/article/doi/10.1093/cid/ciaa450/5821281>

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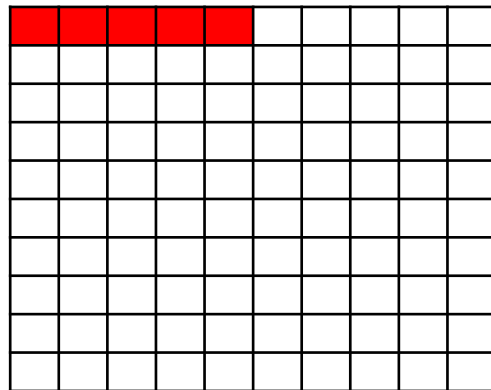
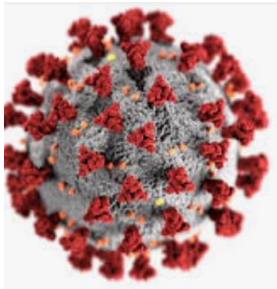
# Older Kids: Household Contacts

Exposure  
to Virus

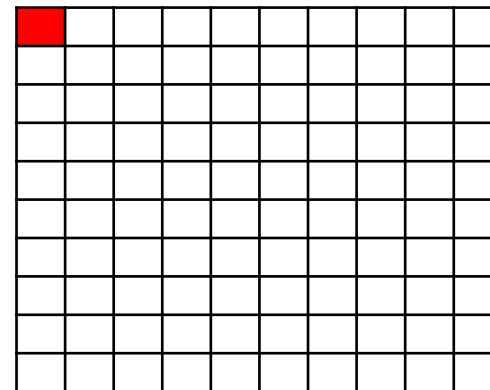
Risk of getting  
infected<sup>1</sup>

Risk of transmitting  
infection<sup>2</sup>

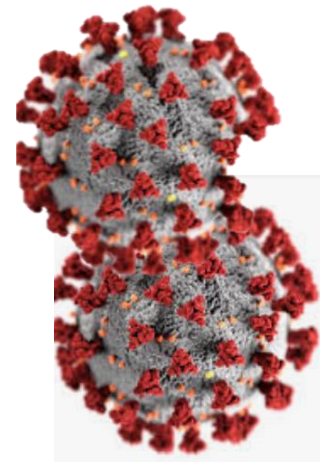
Viral Spread



5% of those exposed



19% of those infected



*Older  
Children  
(10-19)*



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1- <https://academic.oup.com/cid/article/doi/10.1093/cid/ciaa450/5821281>

2- [https://wwwnc.cdc.gov/eid/article/26/10/20-1315\\_article](https://wwwnc.cdc.gov/eid/article/26/10/20-1315_article)

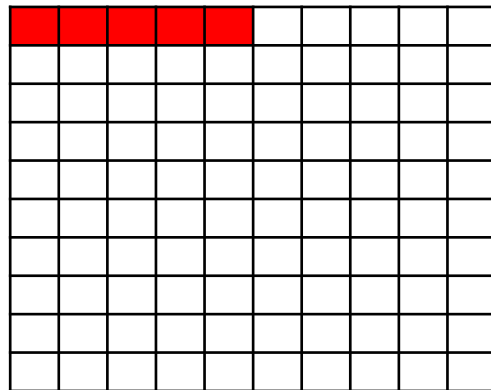
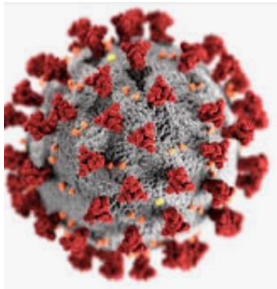
# Younger Kids: Household Contacts

Exposure  
to Virus

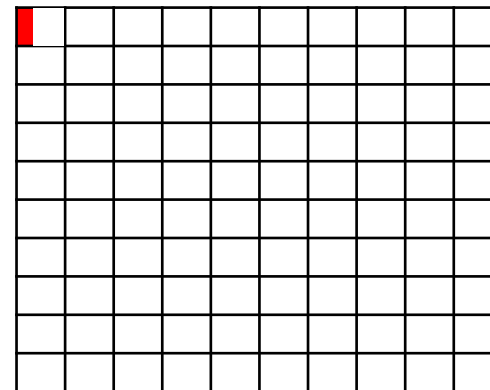
Risk of getting  
infected<sup>1</sup>

Risk of transmitting  
infection<sup>2</sup>

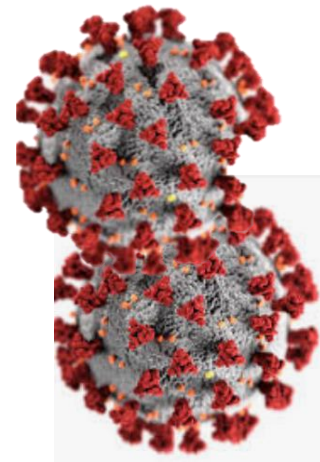
Viral Spread



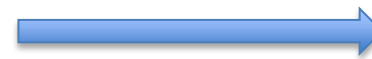
5% of those exposed



5% of those infected



**Younger  
Children  
(0-9)**



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1- <https://academic.oup.com/cid/article/doi/10.1093/cid/ciaa450/5821281>

2- [https://wwwnc.cdc.gov/eid/article/26/10/20-1315\\_article](https://wwwnc.cdc.gov/eid/article/26/10/20-1315_article)