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COVID-19 and Down syndrome

- 1. Presenting signs and symptoms
- 2. Medical complications among those hospitalized
- 3. Pre-existing conditions that increase the risk for more severe clinical course
- 4. Mortality rates



















































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COVID-19 and Down syndrome Take home messages

1. Presenting signs and symptoms

Monitor same symptoms-- cough, fever, shortness of breath

 For younger, watch for more flu-like symptoms (e.g., nasal signs, sore throat)

For older, watch for confusion and altered consciousness

Joint/muscle pain and abdominal signs may be under reported





COVID-19 and Down syndrome Take home messages

3. Pre-existing conditions that increase the risk for more severe clinical course: Increase risk for death; older age, male, dementia

Increase risk for hospitalization: older age, male, obesity, diabetes, heart defects

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COVID-19 and Down syndrome Take home messages

4. Mortality rates

- Substantial increase by age 40
- Even after accounting for known risk factors, hospitalized adults with Down syndrome have a 2.5 times increased risk for death due to COVID-19

Study limitations

- · Although the largest sample to date, numbers are still small and observations need to be confirmed, especially among children
- Survey launched at beginning of the pandemic
- T21RS included patients from many countries with different healthcare systems

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COVID-19 and Down syndrome: Acknowledgements

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