### Guideline-Based Asthma Therapy Should Be Continued

- Inhaled corticosteroids may be protective in severe COVID-19
- Biologics also appear safe
  - Some studies suggest that the need for hospital admission in patients with asthma on biologics is lower compared with patients with asthma not on biologics, suggesting a protective effect

### All Patients with Asthma Should Be Vaccinated Against COVID-19

- What about patients on inhaled corticosteroids?
  - No evidence that low to moderate doses of inhaled corticosteroids impact vaccine effectiveness
- What about patients on oral corticosteroids?
  - Should still get vaccine, but more research is needed about immune response to vaccine
- What about patients on biologic therapy?
  - Should still get vaccine, but AAAAI recommends a 48-hour separation (before or after) between vaccine and biologic administration

### Does Asthma Increase Risk of Death From COVID-19?

- Asthma does not confer an increased risk of severe illness or death from COVID-19
- In one study, patients with asthma and COVID-19 were 48% less likely to require ICU admission and 58% less likely to require mechanical ventilation and were not at increased risk of death when compared with patients with asthma and without COVID-19

### Asthma Alone Does Not Increase Risk of More Severe Illness, but There Are Factors in Asthmatics That Do Increase Risk

- Age >55 years
- Hypertension
- Dyslipidemia
- Diabetes
- Obesity

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**Created by the Airways Disorders NetWork of CHEST**

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