**Harmful Algal Blooms**

Algal blooms in Virginia’s rivers are increasing due to warming water and pollution. These blooms can cause respiratory, skin and neurologic illness in people and pets.

**Pollen**

Increasing pollen counts can increase asthma symptoms. Over the past 30 years in Richmond, the peak pollen count has increased by 35%.

The number of individuals with asthma is on the rise. In 2016, there were 4,120 admissions of Virginians due to asthma (a rate of 4.9 per 10,000).

**Lyme Disease**

Warmer winters and earlier springs create more favorable conditions for tick and mosquito survival, reproduction and disease transmission.

*Between 2006-2017, reported cases of Lyme Disease in Virginia increased 4.6 fold, from 357-1652.* Virginia Department of Health

*Virginia counties with Lyme Disease carrying ticks increased from 12 in 1996 to 72 by 2016.* Eisen et al., *Journal of Medical Entomology* 53 (2016)

**Temperature**

Summer heat is becoming more dangerous, putting Virginians at increasing risk of heat illness.

Student athletes, the elderly and outdoor workers are at a particularly elevated risk.

*Over just four days in July 2020, 275 Virginians went to an Emergency Department or Urgent Care for heat illness.* Virginia Department of Health

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**Health Impacts of Climate Change in Virginia**

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**Graph: Virginia Institute of Marine Science**

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**Reports of Algae Blooms are on the Rise**

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*Graph: Virginia Institute of Marine Science*