## TICKS AND TICK－BORNE DISEASES OF VIRGINIA

## TICK IDENTIFICATION CHART



## Blacklegged Tick（Ixodes scapularis）

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## Lone Star Tick（Amblyomma americanum）


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## American Dog Tick（Dermacentor variabilis）


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＝Tick stage causing the most disease transmission．
8 ＝Tick stage known to feed on people．

## ACTUAL SIZE OF TICKS

Blacklegged Tick
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Lone Star Tick


American Dog Tick


## TIMES OF YEAR WHEN TICK STAGES IN VIRGINIA ARE ACTIVE

Blacklegged Tick
(Ix. scapularis)

Lone Star Tick
(Am. americanum)
American Dog Tick
(D. variabilis)*

*Only the adult life stage of the American Dog Tick is known to bite humans.

## CHART OF TICK SPECIES AND TICK-BORNE DISEASES

| Illness or Condition | Vector Tick Species | Tick Stage(s) <br> Transmitting Disease | Incubation Period Range*** |
| :---: | :---: | :---: | :---: |
| Alpha-gal Syndrome | Lone Star Tick | Larva, Nymph, Adult | unknown |
| Anaplasmosis | Blacklegged Tick | Nymph, Adult | 7-14 days |
| Babesiosis | Blacklegged Tick | Nymph, Adult | 1 week to months |
| Borrelia miyamotoi Disease | Blacklegged Tick | Larva, Nymph, Adult | 3 days to 6 weeks |
| Ehrlichiosis | Lone Star Tick | Nymph, Adult | 7-14 days |
| Heartland Virus | Lone Star Tick | Nymph, Adult | 3 days to 2 weeks |
| Lyme Disease | Blacklegged Tick | Nymph, Adult | 3-30 days |
| Powassan Virus | Blacklegged Tick | Nymph, Adult | 1-4 weeks |
| Rickettsia parkeri Disease | Gulf Coast Tick ${ }^{1}$ | Adult | 2-10 days |
|  | Lone Star Tick | Larva, Nymph, Adult |  |
| Rocky Mountain Spotted Fever | American Dog Tick | Adult | 2-14 days |
|  | Brown Dog Tick ${ }^{2}$ | Nymph, Adult |  |
|  | Lone Star Tick | Larva, Nymph, Adult |  |
| Southern Tick Associated Rash Illness (STARI) | Lone Star Tick | Nymph, Adult, ? | 1-7 days |
| Tularemia | American Dog Tick | Adult | 1-14 days |
|  | Lone Star Tick | Nymph, Adult |  |

***Incubation period and illness: An incubation period is the time it takes for symptoms to appear after a person is infected. For more information about symptoms of these tickborne diseases, go to www.vdh.virginia.gov/ticks.

## Always share your tick exposure history with your healthcare provider, particularity if you feel sick after being bitten by a tick.

For help identifying ticks, consider participating in the Virginia Department of Health's Citizen Tick Survey. More information about the survey can be found at https://www.vdh.virginia.gov/ticks/tick-identification/virginia-tick-survey/
${ }^{1}$ Gulf Coast Ticks: These ticks are found sporadically in Virginia and only the large adult stage ticks bite people.
${ }^{2}$ Brown Dog Ticks: These ticks are uncommon in Virginia and are only found in doghouses, kennels, and on the walls of other structures that dogs live in.

