**HOW DO I CHOOSE AN INSECT REPELLENT?**

### ON SKIN

**MOSQUITOES**
Protection varies by species of mosquito.
Most mosquitoes that transmit diseases in the US bite from dusk-dawn.

**TICKS**
Other factors affecting efficacy include: individual chemistry, sweat, numbers of bugs. Apply creams and lotions 15 to 20 minutes before going outdoors.

Choose the appropriate repellent for the length of time you’ll be outdoors. Reapply according to product instructions.

<table>
<thead>
<tr>
<th>Time</th>
<th>&lt;10% DEET</th>
<th>&lt;10% picaridin</th>
<th>&lt;10% IR3535</th>
<th>~15% DEET</th>
<th>~15% picaridin/KBR 3023</th>
<th>~30% oil of lemon eucalyptus/PMD</th>
<th>~15% IR3535</th>
<th>~20%-50% DEET</th>
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<tbody>
<tr>
<td>1-2 hours</td>
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<td>2-4 hours</td>
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<td>5-8 hours</td>
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Generally, repellent with 20 – 50% DEET is recommended to protect against tick bites.

In areas where both mosquitoes and ticks are a concern, repellents with 20 – 50% DEET may offer best, well-rounded protection.

The American Academy of Pediatrics has recommended that repellents containing up to 30% DEET can be used on children over 2 months of age.

**ON CLOTHING AND GEAR**

**Permethrin**
Permethrin treatment of clothing and equipment can provide protection against mosquitoes and ticks through multiple washings. Follow label instructions.

[Image of people using insect repellent]

[Image of permethrin-treated clothing]

[Image of tent]