### Malaria Prevention Checklist


<table>
<thead>
<tr>
<th>Country</th>
<th>Travel Dates</th>
<th>Areas with Malaria</th>
<th>Drug Resistance</th>
<th>Malaria Species</th>
<th>Recommended Primary Prophylaxis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Departure</td>
<td></td>
<td>None</td>
<td>% P. falciparum</td>
<td>Atovaquone/Proguanil</td>
</tr>
<tr>
<td></td>
<td>Return</td>
<td></td>
<td>Chloroquine</td>
<td>% P. vivax</td>
<td>Doxycycline</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mefloquine</td>
<td>% P. malariae</td>
<td>Mefloquine</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>% P. ovale</td>
<td>Chloroquine</td>
</tr>
</tbody>
</table>

**Usage**
- Atovaquone/Proguanil (Malarone)
- Doxycycline
- Mefloquine (Larium)
- Chloroquine
- Primaquine

**Contraindications**
- Creatine Clearance <30ml/min
- Caution in patients on coumadin (warfarin)

**Convenience of Administration**
- Daily Dosing
- Weekly Dosing

**Start**
- 1-2 days before travel
- 2 weeks before travel
- 1-2 weeks before travel

**Stop**
- 7 days after return
- 4 weeks after return
- 14 days after departure

**Other Considerations**
- Mosquito Bite Prevention
- Insect repellent (e.g., DEET)
- Proper skin-covering clothing
- Insecticide-treated bed nets
- Minimize outdoor exposures at dusk and dawn

**Medical Care and Advice on When to Seek Immediate Medical Care**
- Provide Example Symptoms of Malaria and Advice on When to Seek Immediate Medical Care
- High fevers
- Flu-like illness
- Jaundice (Yellow eye and skin discoloration)

**Stress Medication Compliance**
- Review Potential Medication Adverse Effects

**B.** Will the traveler:
- Travel to a region with relapsing malaria species (P. vivax or P. ovale)?
- Have prolonged exposure to malaria-endemic region (e.g., expatriates, missionaries, Peace Corps volunteers)?

If both boxes are checked, consider Terminal Prophylaxis with primaquine.

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### Prophylaxis in all areas

<table>
<thead>
<tr>
<th>Drug</th>
<th>Dosing</th>
<th>Weekly Dosing</th>
<th>Safety in Pregnancy/Lactation</th>
<th>Safety in Children</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proguanil</td>
<td>1 adult tab daily (children &lt;5kg)</td>
<td>100mg orally daily</td>
<td>Contraindicated in children &lt;5kg</td>
<td>Contraindicated in children &lt;8 years old</td>
</tr>
<tr>
<td>Peds tabs contain 62.5mg atovaquone and 25mg proguanil hydrochloride.</td>
<td>8-10kg: 3/4 ped's tabs daily</td>
<td>30-40kg: 3 ped's tabs daily</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>&gt;40kg: adult dose</td>
<td>10-20kg: 1 ped's tab daily</td>
<td>&gt;20-30kg: 2 ped's tabs daily</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

### Pregnancy/Lactation

- Atovaquone/Proguanil: Contraindicated
- Doxycycline: Contraindicated
- Mefloquine (Larium): Contraindicated in 1st trimester
- Chloroquine: Undetermined

### Contraindicated unless G6PD deficiency has been ruled out

<table>
<thead>
<tr>
<th>Adverse Effects</th>
<th>Safety in Breast-fed Infant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe hemolytic anemia</td>
<td>Breast-fed infant</td>
</tr>
<tr>
<td>Jaundice</td>
<td>Breast-fed infant</td>
</tr>
<tr>
<td>Seizures</td>
<td>Breast-fed infant</td>
</tr>
<tr>
<td>Nausea</td>
<td>Breast-fed infant</td>
</tr>
</tbody>
</table>

### Contraindicated in parts of SE Asia due to resistance

- Tetracycline allergy
- Atovaquone/Proguanil
- Doxycycline
- Mefloquine (Larium)
- Chloroquine
- Primaquine

### Severely restricted due to drug resistance

- Epilepsy and psoriasis
- Glucose 6 Phosphate Dehydrogenase (G6PD) deficiency
- Potentially fatal hemolysis

### Prophylaxis in all areas

- Proguanil (Adult tabs contain 250mg proguanil (250mg salt)) orally once/week, up to adult dose of 300mg base
- Chloroquine (1% EFmDJFOU)
- Doxycycline (250mg salt)
- Mefloquine (Larium) (300mg base (500mg salt) orally once/week, up to maximum adult dose of 300mg base
- Proguanil (500mg base (1000mg salt) orally once/week)

### Severe hemolytic anemia

- Most common adverse effects:
  - photosensitivity
  - vaginal candidiasis
  - esophagitis
  - nausea, vomiting

### Adverse effects at chemoprophylaxis dosing includes:

- Glutathione
- Headache
- Dizziness
- Blurred vision
- Insomnia
- Pruritus

### Metabolic events

- Severe hemolytic anemia

### Metabolism

- Severe hemolytic anemia

### Global travel

- Prophylaxis to prevent relapse
- Doxycycline

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**LA County Department of Public Health**

**Rx for Prevention**