Doctors at an Infectious Disease Clinic will interview several patients today who complain of feeling sick. When taking their medical histories, doctors will ask questions and patients will explain their symptoms, how long they have been sick, and their travel histories. Doctors will do their best to diagnose the ailments from a combination of clues (symptoms, duration of symptoms, travel history, and other information).

Patients are encouraged to obtain second and third opinions from other clinics.

Doctors may use disease brochures or projects to check off symptoms on the Symptoms Chart. They may also refer to the Doctor’s Notes about infectious diseases with information from the Centers for Disease Control and Prevention (CDC) website.

To track a patient’s symptoms, doctors will use the Patient Chart to take notes during the visit.

Use Health Map (healthmap.org/en/) to create additional disease maps to identify where each disease occurs.

1. Malaria
   www.cdc.gov/malaria

   Symptoms: Fever, chills, sweats, headaches, nausea, vomiting, body aches, malaise, elevated temperature, perspiration, weakness, enlarged spleen, mild jaundice (yellowing of skin), enlarged liver, increased respiratory rate

   Incubation Period: 7 to 30 days

   Vector: Mosquito (Anopheles)

   Pathogen: Protozoa (Plasmodium falciparum, P. vivax, P. ovale, and P. malariae)

   Disease Map: www.cdc.gov/malaria/about/distribution.html
2. Dengue  
www.cdc.gov/dengue

**Symptoms:** High fever, severe headache, severe pain behind the eyes, joint pain, muscle pain, bone pain, rash, mild nose or gum bleeding, easy bruising, low white cell count

**Incubation Period:** 4 to 10 days after mosquito bite

**Vector:** Common house mosquito (*Aedes aegypti*), Asian Tiger Mosquito (*Aedes albopictus*)

**Pathogen:** Dengue virus

**Disease Map:** www.cdc.gov/dengue/epidemiology/index.html

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3. Lyme Disease  
www.cdc.gov/lyme

**Symptoms:** Bull’s eye rash, fatigue, chills, fever, headache, muscle and joint aches, swollen lymph nodes

**Incubation Period:** 3 to 30 days

**Vector:** Deer tick (*Ixodes scapularis*)

**Pathogen:** Spirillium bacteria (*Borrelia burgdorferi*)

**Disease Map:** www.cdc.gov/lyme/stats/index.html

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4. Leishmaniasis  
www.cdc.gov/leishmaniasis

**Symptoms:** Cutaneous leishmaniasis: one or more painless ulcers, infections with pus

**Incubation Period:** Several weeks to years

**Vector:** Female sandfly (*Phlebotomus papatasi*)

**Pathogen:** Protozoan (*Leishmania*)

**Disease Map:** www.cdc.gov/parasites/leishmaniasis/epi.html
### 5. West Nile Virus

[www.cdc.gov/westnile](http://www.cdc.gov/westnile)

**Symptoms:** Fever, headache, fatigue, body aches, occasional skin rash (on the trunk of the body), swollen lymph glands, stiff neck, stupor, disorientation, coma, tremors, convulsions, muscle weakness, paralysis

**Incubation Period:** 2 to 15 days

**Vector:** Common Brown Mosquito (*Culex pipiens*)

**Pathogen:** West Nile virus

**Disease Map:** [diseasemaps.usgs.gov/mapviewer](http://diseasemaps.usgs.gov/mapviewer)

### 6. Yellow Fever

[www.cdc.gov/yellowfever](http://www.cdc.gov/yellowfever)

**Symptoms:** Sudden onset of high fever, chills, severe headache, back pain, general body aches, nausea, vomiting, weakness, jaundice (yellow skin and eyes)

**Incubation Period:** 3 to 6 days

**Vector:** Common house mosquito (*Aedes aegypti*)

**Pathogen:** Yellow fever virus

**Disease Map:** [www.cdc.gov/yellowfever/maps/index.html](http://www.cdc.gov/yellowfever/maps/index.html)

### 7. Chikungunya

[www.cdc.gov/chikungunya](http://www.cdc.gov/chikungunya)

**Symptoms:** Fever and joint pain (can last up to a month), headache, muscle pain, joint swelling or rash; does not often result in death, but symptoms can be severe and disabling

**Incubation Period:** 3 to 7 days

**Vector:** Common house mosquito (*Aedes aegypti*), Asian Tiger Mosquito (*Aedes albopictus*)

**Pathogen:** Chikungunya virus

**Disease Map:** [www.cdc.gov/chikungunya/geo/index.html](http://www.cdc.gov/chikungunya/geo/index.html)