

FIELD MEDICAL SURVEILLANCE SYSTEM



An easy-to-use Windows™ based program for medical surveillance, which allows Environmental Health Officers and Preventive Medicine Officers the ability to record, analyze, and disseminate data on diseases and illnesses that may occur during foreign deployments or conflicts. FMSS does this by integrating the Global Infectious Disease and Epidemiology Network (GIDEON) knowledge base with new patient information gathered during deployments.

User's Manual

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Introduction

What Is FMSS?

The Field Medical Surveillance System (FMSS), is intended for use at the first echelons of care, and was designed to help detect emerging health problems that might occur during foreign deployments or conflicts.

Incorporation of the GIDEON Database

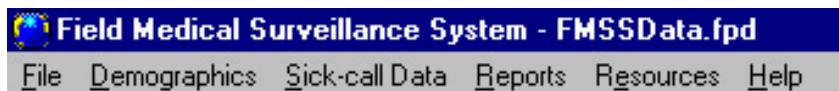
Using an interface specific to military requirements, the system incorporates the Global Infectious Disease and Epidemiology Network (GIDEON), a well-known knowledge base for infectious and parasitic diseases. GIDEON is the product of more than 13 years of intensive collaboration between specialists in infectious diseases, epidemiology, and microbiology. The knowledge base covers 330 infectious and parasitic diseases, including their symptomatology (see Appendix A for a list of diseases included in GIDEON) from over 205 countries. GIDEON is designed to help diagnose most of the world's infectious diseases based on the signs, symptoms, and laboratory findings that you enter for your patient. FMSS also has a comprehensive list of injuries, noninfectious diseases, and mental illnesses that can be selected without the need for detailed symptomatology (see Appendix B for a list of diseases included in the FMSS database).

FMSS Features

FMSS can help determine incidence rates; project short-term trends; profile the characteristics of the affected population by person, time, and place; track mode of disease transmission; and generate various graphs and reports. The system also provides some on-line medical references, such as the *Control of Communicable Diseases Manual* (CCDM), *Tri-Service Reportable Events Guidelines and Case Definitions* (TSRE), and select reports from the Armed Forces Medical Intelligence Center's (AFMIC) *Medical Environmental Disease Intelligence and Countermeasures* (MEDIC) CD-ROM.

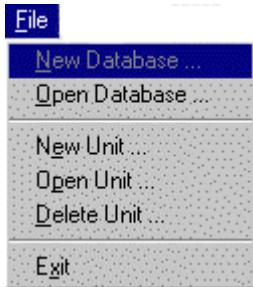
FMSS Interface

FMSS is composed of six main menus. Similar commands are grouped under each of the main menus. The following defines the purpose of each of the six main menus in FMSS.



File:

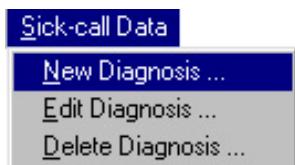
Allows you to create a new database or open an existing database. For each database, there can be multiple military units. Once you open or create a new database you can open or create a unit. *Note: Unit may refer to a battalion aid station or a collecting and clearing company, etc.*

**Demographics:**

Allows you to record basic demographics for each patient by unit.

**Sick-call Data:**

Allows you to assign a diagnosis, edit an existing diagnosis, record treatments, consultations, and duty status.

**Reports:**

Allows you to query the database to generate various graphs and reports.

Reports

- Daily Logs ...
 - Patient Histories ...
 - Reportable Conditions ...
 - Classification Reports ...
-
- Surveillance Reports ...
 - Surveillance Graphs ...

Resources:

Provides the following on-line medical references: CCDM, MEDIC, and the TSRE.

Resources

- CCDM
- MEDIC Reports
- TSRE - Reportable Events Report

Help:

Provides copyright and additional information on FMSS, GIDEON, AFMIC/MEDIC and CCDM.

Help

- About FMSS
- About GIDEON
- About AFMIC/MEDIC
- About APHA/CCDM

Installation and Setup

Installing FMSS

Installing FMSS is simple. The installer application does all the work for you, and it puts all the data files where they belong on your hard drive. Before you install FMSS, check to see that your computer has the following minimum system requirements:

System requirements:

- 486 or higher IBM or 100% compatible PC
 - Windows 95 or WinNT 4.0 or higher
 - 64 MB of application RAM
 - 60 MB free hard disk space
1. Insert the FMSS CD-ROM into your CD-ROM drive.
 2. Double click on the FMSS Setup icon located on the CD-ROM.
 3. The installation wizard will walk you through the installation process.

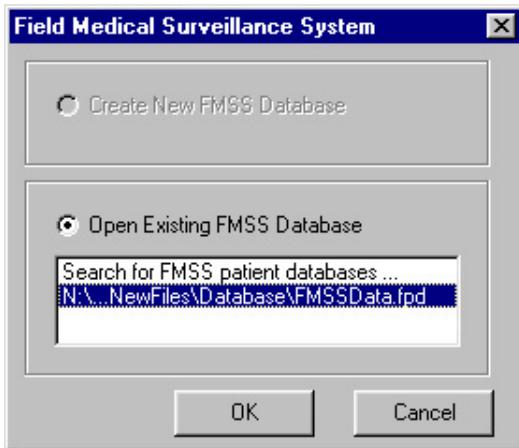
Opening a Database

Before you can start recording data into FMSS, you will need to open a database. You can open an existing database either at the opening screen or from the File menu.

To open a database from the opening screen follow these steps:

When you first open FMSS a screen will appear asking you if you want to open an existing database.

1. Select the **Open Existing FMSS Database** option from the “*Field Medical Surveillance System*” dialog box and click **OK**.



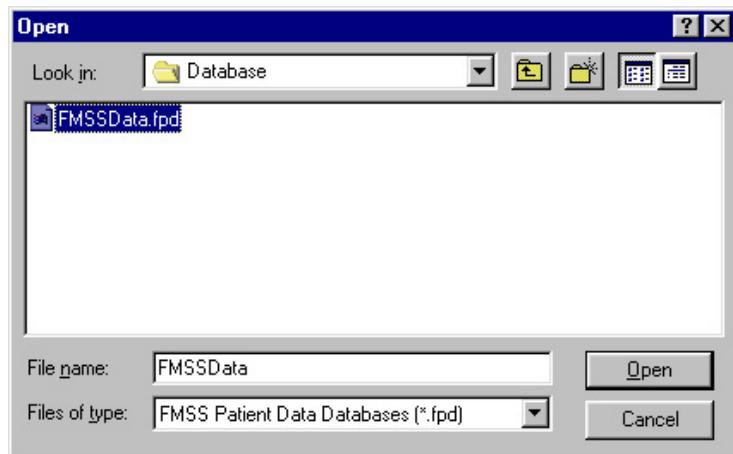
The database name will appear in the FMSS title bar with the FMSS patient data (.fpd) extension.



To open a database from the **File** menu follow the instructions below:

Select Open Database... from the **File** menu.

2. Select a database filename from the "Open" dialog box, then click **Open**.

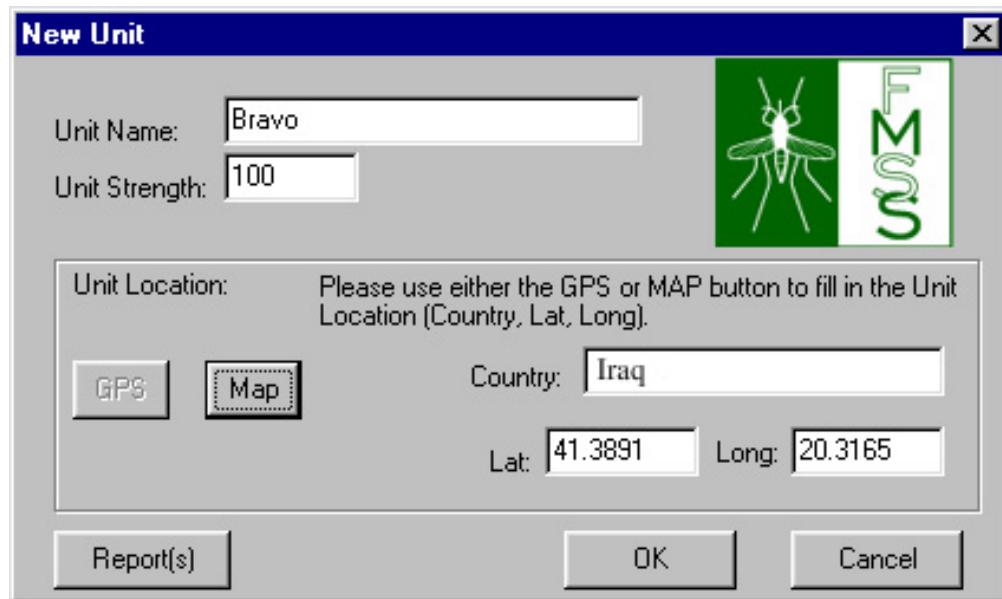


Creating a Unit

Before you can enter diagnosis and demographic data, you must create a unit. If you have already created a unit, FMSS will automatically open the last unit you were working on when the system boots up. Follow the instructions below for creating a unit.

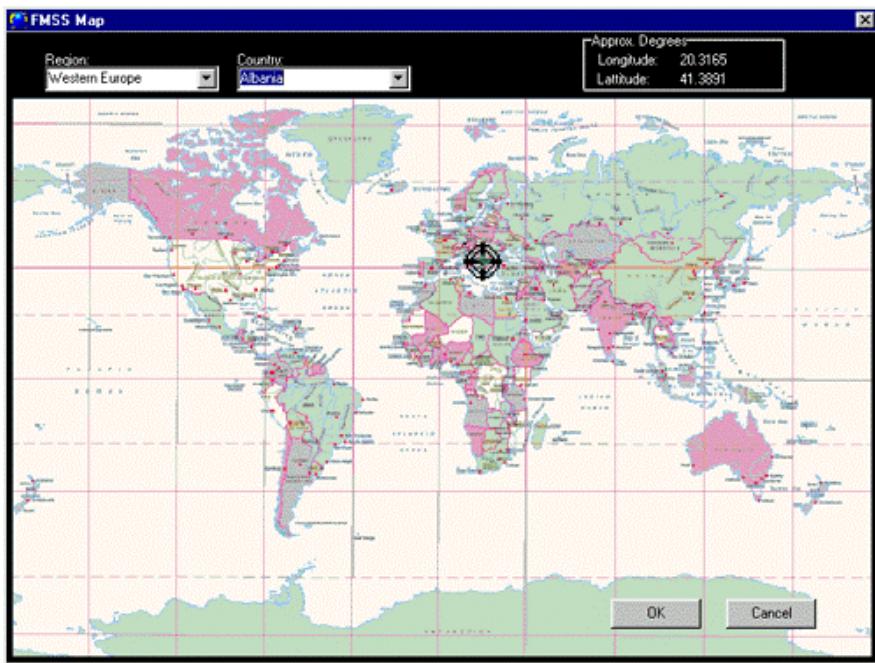
1. Select *New Unit . . .* from the **File** menu

The “*New Unit*,” dialog box will appear:



2. Type a Unit name in the **Unit Name:** text edit box.
3. Enter population data (potential population at risk being served by the Unit) in the **Unit Strength:** text edit box.
4. To fill in the Country, Longitude and Latitude information click on the **Map** push button.

A map of the world will appear.



5. Select a region from the **Region:** list box.

*A list of countries associated with that region will appear in the **Country** list box.*

6. Select a country from the **Country:** list box.
7. Click **OK** to accept your selections.

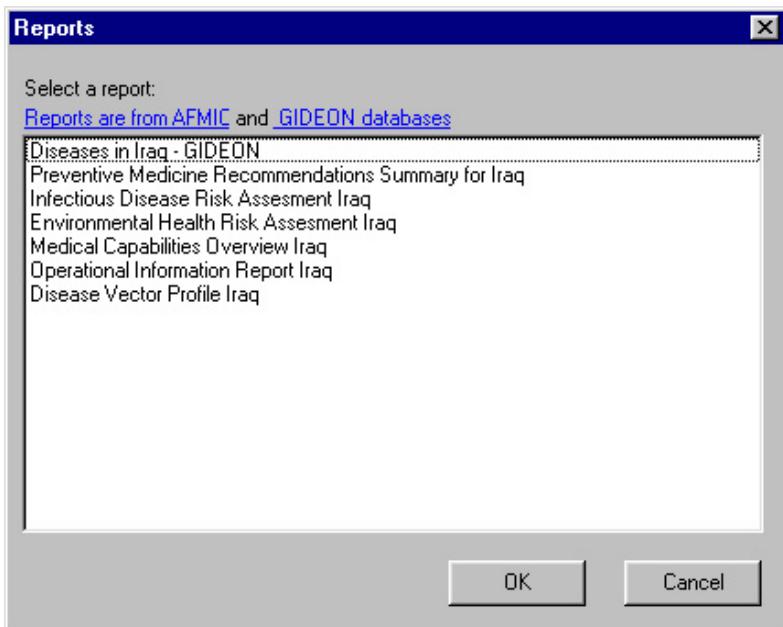
When you select a region and country, FMSS will load a “Disease Threat Library,” which includes all the known endemic infectious diseases for that country. This is done to increase the Bayesian probability of a correct diagnosis when using **Signs and Symptoms** by eliminating those diseases with similar symptomatology but are known not to occur in that particular country.

FMSS will automatically insert the country name, latitude, and longitude in the appropriate locations, and load a set of reports specific to the country selected. These reports are available by selecting the **Report(s)** option button.

To view country-specific reports follow the steps below:

8. Click on the **Report(s)** option button to view all available reports for a specific unit.

A list of reports will display in the “Reports” dialog box.



9. Highlight a report option and click **OK**, or double-click on a particular report to open it.

The selected report will display in a text editor. Click the printer icon to print the report. Click the **Close** button or the X in the upper right-hand corner to return to FMSS.



Recording Patient Data

Before you can record basic demographics or assign a diagnosis to an individual, you must first create a database and unit. For instructions on creating a new database and unit, see Chapter 2, *Installation and Setup*.

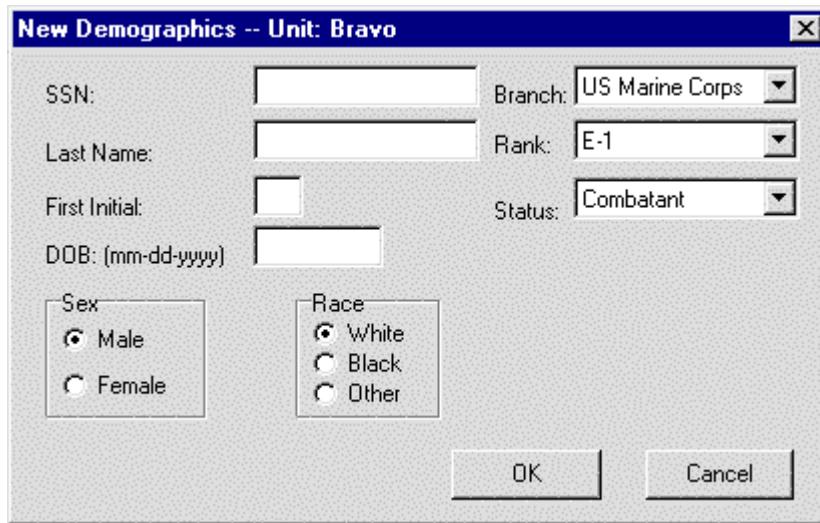
Demographics

Demographic data are entered from the **Demographics** menu. If the patient has never been entered into FMSS you will need to enter demographic information before entering Sick-call data.

New Demographic

1. Select New Demographics... from the **Demographics** menu.

The “New Demographic -- Unit: Unit name” dialog box will appear:



2. Enter the patient's *social security number* in the **SSN:** text edit box. FMSS will automatically insert separators after the first three numbers and before the last four numbers.
3. Type the patient's *last name* in the **Last Name:** text edit box.
4. Type the patient's *first initial* in the **First Initial:** text edit box.
5. Type the patient's *birth date* in the **DOB (dd-mm-yy)** text edit box. Dates should be entered in the following format: day, month, year (dd-mm-yy). FMSS will automatically insert separators between the day and the month.

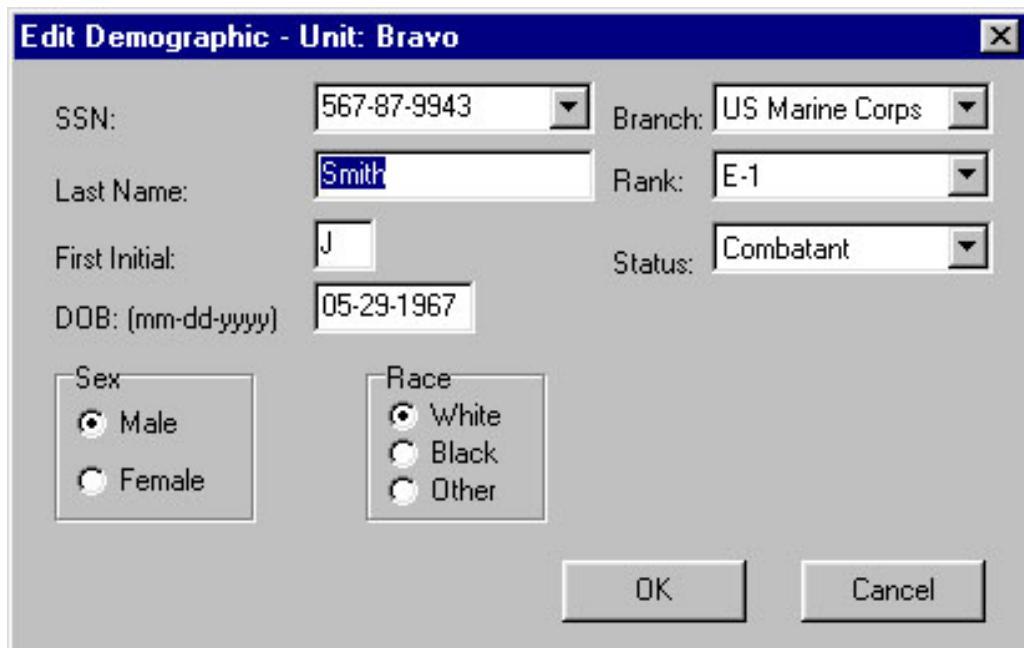
The options *Male*, *White*, *US Marine Corps*, *E-1*, and *Combatant* are default settings. If you want to change the settings follow steps 6 through 10 for instructions.

6. Click on the *male* or *female* option in the **Sex** option box.
7. Click on the *white*, *black*, or *other* option in the **Race** option box.
8. Select a military branch (*US Marine Corps*, *US Navy*, *US Army*, *US Air Force*) from the **Branch** list box.
9. Scroll through the **Rank** list box by using the arrows or scroll bar until the patient's rank appears. Select the appropriate rank (*Enlisted 1-9*, *Warrant*, *Officer 01-06*, or *Other*).
10. Select the status from the **Status** list box (*Combatant*, *Support*, *Staff*, or *Other*).
11. Click **OK** to accept your entries or **Cancel** to exit without accepting your entries.

Edit Demographic

1. Select *Edit Demographic...* from the **Demographics** menu.

The “*Edit Demographic – Unit: Unit name*” dialog box will appear:

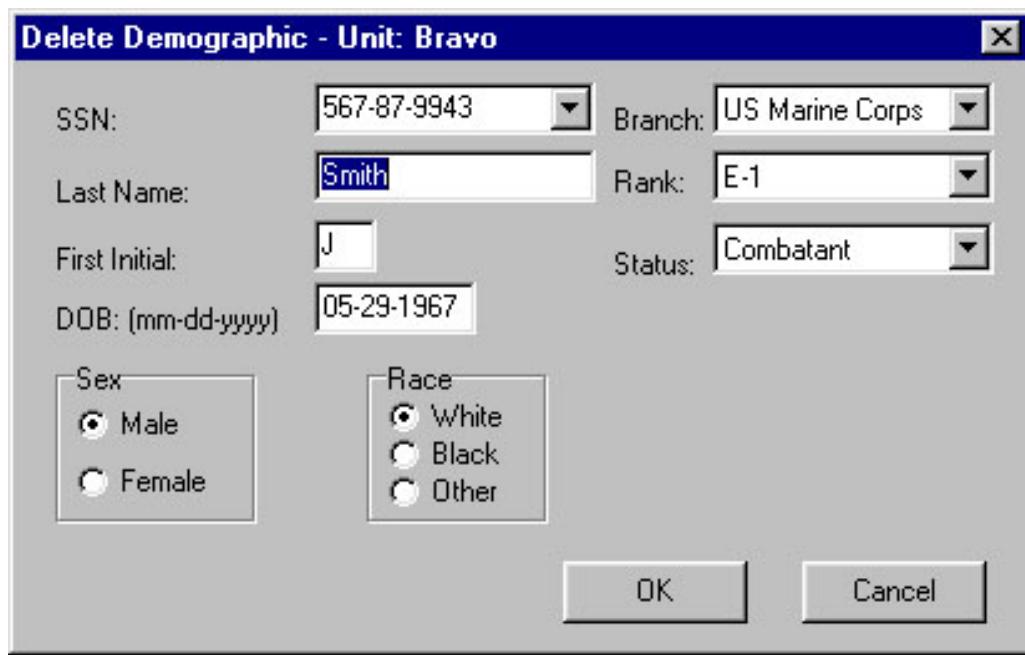


2. Select an SSN from the **SSN** drop-down list. This will call up the patient's demographic record.
3. Make changes to some or all the fields and click **OK**.

Delete Demographic

1. Select Delete Demographic... from the **Demographics** menu.

The ‘Delete Demographic – Unit: Unit name’ dialog box will appear:



4. Select an SSN from the **SSN** drop-down list. This will call up the patients demographic record.
5. Click **OK** to delete all records for this particular patient.

Note

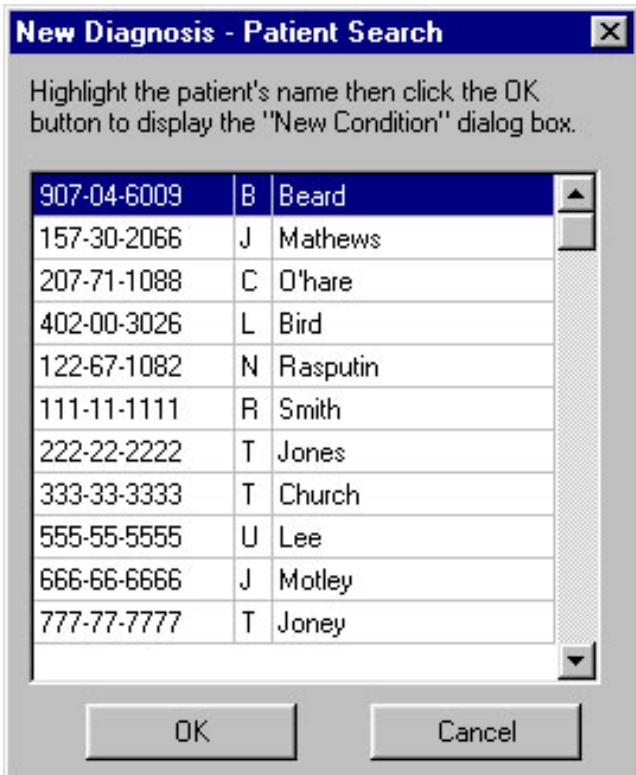
Deleting a patient’s demographic data will also delete all additional data that may have been collected.

Adding Diagnosis

If the patient has never been entered into FMSS you will need to enter demographic information before entering Sick-call data (see previous section). If the patient is already in FMSS you can call up the patient’s record by selecting his or her SSN from the “*Patient Search*” dialog box.

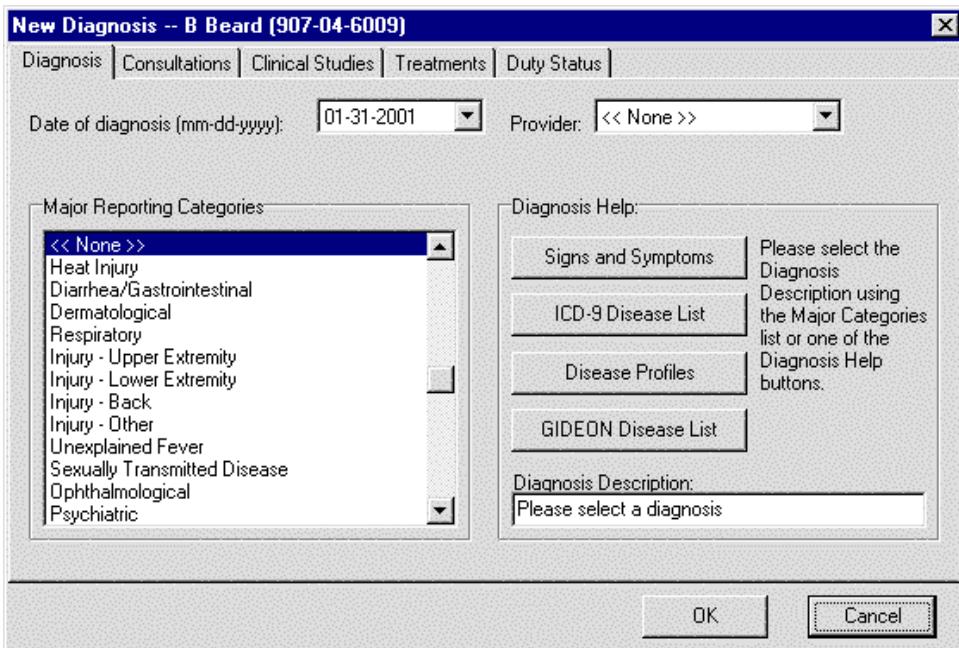
1. Select New Diagnosis... from the **Sick-call Data** menu.

The “*New Diagnosis--Patient Search*” dialog box will appear:



2. Scroll through the list using the arrows on the right. Highlight the SSN and name and click **OK**.

The “*New Diagnosis-- Name (SSN)*” dialog box will appear:



All diagnoses are entered in the **Diagnosis Description** text edit box located at the bottom right corner of the dialog box. The “*New Diagnosis-Name (SSN)*” dialog box also allows you to select a provider (Corpsman, Doctor, Specialist, or Other). You can enter Consultations, Clinical Studies, Treatments and Duty Status by clicking on the appropriate tab.

Note

You may want to enter information in the following areas: Consultations, Clinical Studies, Treatments, and Duty Status. For instructions read the appropriate section: Entering Consultations, pg. 21; Entering Clinical Studies, pg 21; Entering Treatments, pg. 22 or Entering Duty Status, pg.. 23.

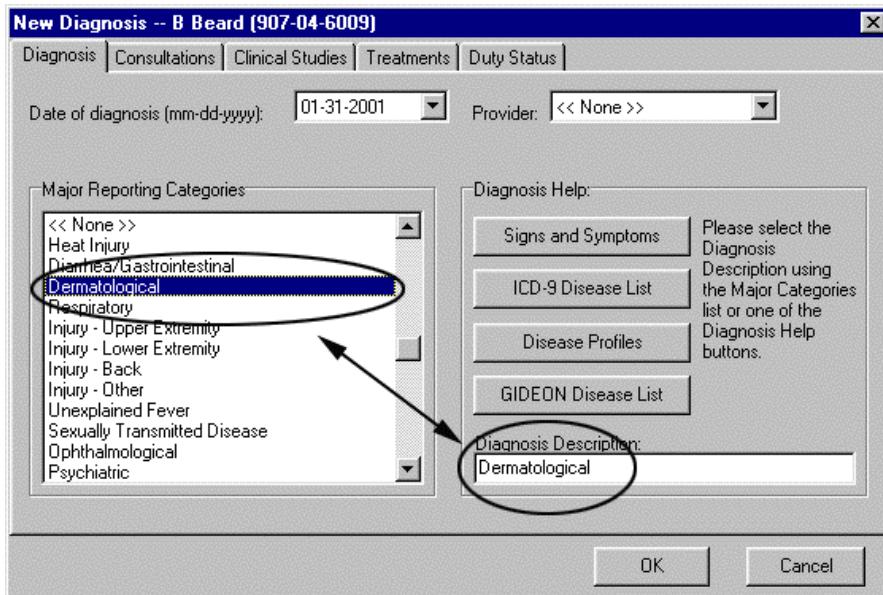
There are several ways you can enter a diagnosis for a patient. You can select a general category from the **Major Reporting Categories** list box. You can use **Signs and Symptoms** to derive a diagnosis or select from a comprehensive list of illness and injuries under **ICD-9 Disease List** or **GIDEON Disease List**.

Selecting a Major Reporting Category

If you do not know the specific disease but want to categorize the patient's ailment, you can select a category from the **Major Reporting Categories** scrolling list box. (There are 24 Major Reporting Categories; see Appendix B for a complete list available in FMSS).

For example, a patient comes in with a rash, and you cannot identify the disease and are not properly trained as a clinician. You have the option, however, to categorize the ailment by selecting *Dermatological* from the **Major Reporting Categories** list box. To select a Major Reporting Category follow these instructions:

- From the “*New Diagnosis-Patient’s name (SSN)*” dialog box, scroll through the **Major Reporting Categories** list box until the category you want appears. Highlight the category name.

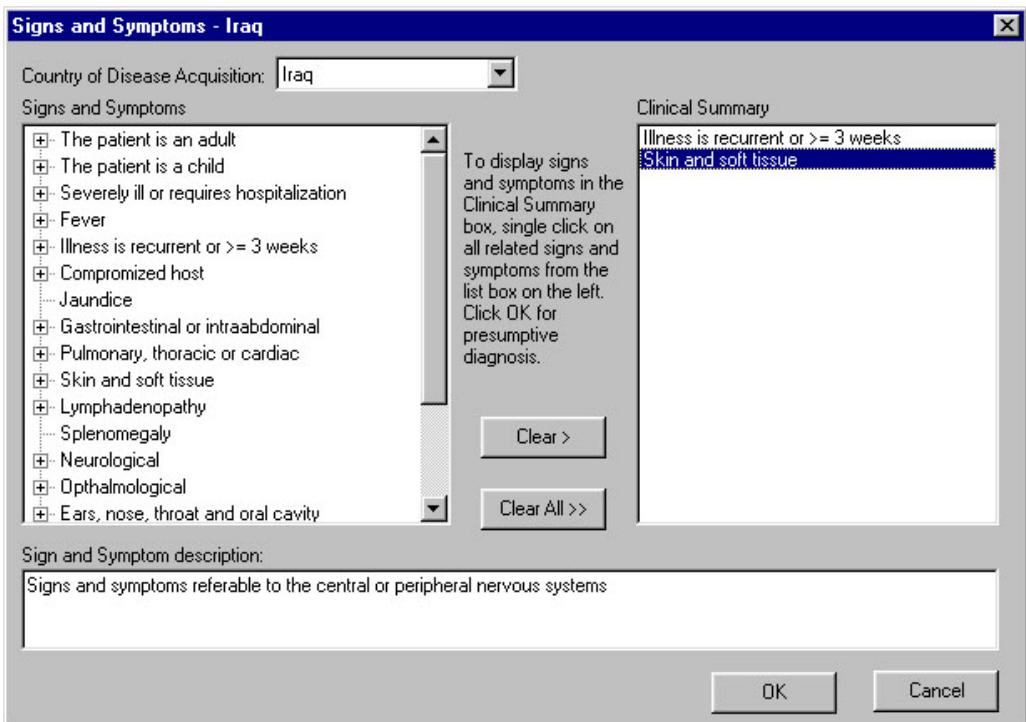


The Major Reporting Category will now appear in the **Diagnosis Description** text edit box. See sample screen above.

Select Diagnosis Using Signs and Symptoms

- Select the **Signs and Symptoms** push button from the “*New Diagnosis-Patient’s name (SSN)*” dialog box.

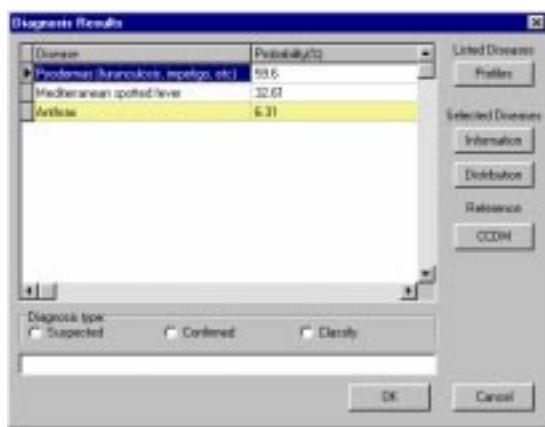
The “*Signs and Symptoms – Country name*” dialog box will appear:



The *Signs and Symptoms* dialog box allows you to select from a primary and secondary list of signs/symptoms and laboratory results (if available) to derive a probability-based diagnosis. Primary signs/symptoms are listed with a plus (+) sign. Click on the plus (+) sign to expand the secondary signs/symptoms. Once the symptomatology and laboratory findings are entered for your patient, the input is processed by a Bayesian matrix, and compatible diagnoses are presented in order of probability. FMSS also highlights any potential biological weapons agents in yellow that appear on this list.

2. After you have selected all the primary and secondary signs and symptoms click **OK**.

The “*Diagnosis Results*” dialog box will appear:



The push buttons located on the right-hand side of the dialog box (**Profiles**, **Information Distribution**, and **CCDM**) contain additional information to help you make an accurate diagnosis. The following explains each push button.

Profiles: If you need to profile the differential list of diseases by Agents, Vectors, Reservoirs, or Vehicles, select the **Profiles** push button under Listed Diseases. Here you can quickly determine the epidemiological profile of any of the diseases listed.

Information: More information is provided for each disease by first selecting a particular disease then clicking the **Information** push button on the right. This loads up additional epidemiological data concerning that particular disease.

Distribution: the **Distribution** push button will list all the countries in the world where this disease is known to occur.

CCDM The **CCDM** push button will bring up the current *Control of Communicable Disease Manual*, which provides very detailed information on all the known infectious and parasitic diseases of the world. It includes information on Identification, Infectious agent, Occurrence, Reservoir, Mode of transmission, Incubation period, Period of communicability, Susceptibility and resistance, Preventive measures, Control of patient, Contacts and the immediate environment, Epidemic measures, Disaster implications, and International measures. Once you have determined the most likely diagnosis, select the **Suspected**, **Confirmed**, or **Classify** option. The following three options are explained below.

Note: You can highlight any of the diseases that appear in this list, right-click the mouse to copy, and past it in the Find box of CCDM to go directly to that particular disease.

- **Confirmed:** is selected if the Bayesian probability is >80% or if you feel reasonably certain that you have selected the right diagnosis.
- **Suspected:** is used by the program to help establish an epidemiologically linked case to those cases having a more definitive diagnosis, either through laboratory results or other supporting evidence.
- **Classify:** uses a sophisticated algorithm to cluster individuals who have similar signs and symptoms, but do not have enough supporting evidence to assign a reasonable diagnosis. Classify is used by the program to help establish a case definition for those individuals based on their presenting signs and symptoms.

3. Click **OK** to exit out of the “*Diagnosis Results*” dialog box.

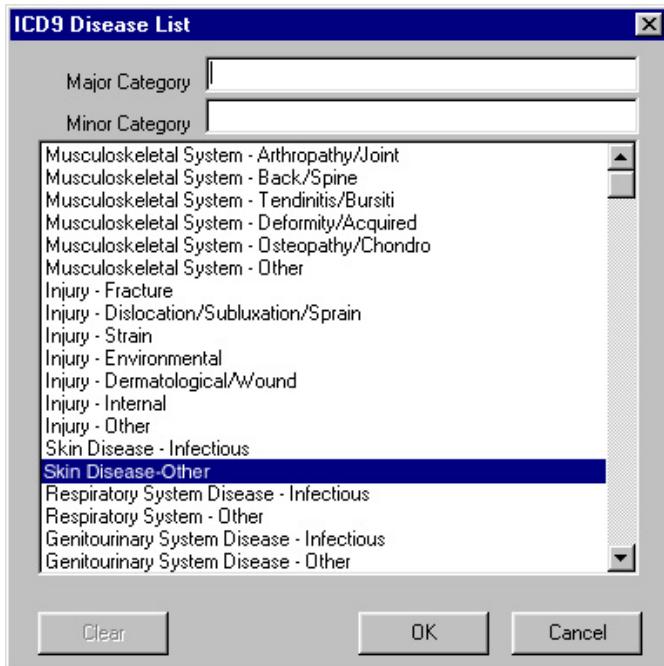
This will return you to the “*New Diagnosis-Patient’s name (SSN)*” dialog box. You will notice your selected disease will appear in the **Diagnosis Description** text edit box, and will appear in the appropriate **Major Reporting Category**.

Selecting From the ICD-9 Disease List

Sometimes you will know the diagnosis and simply want to enter it by selecting from a detailed list of disease and injuries. If you want to select from the **ICD-9 Disease List** follow the instructions below (see Appendix B, for a complete list).

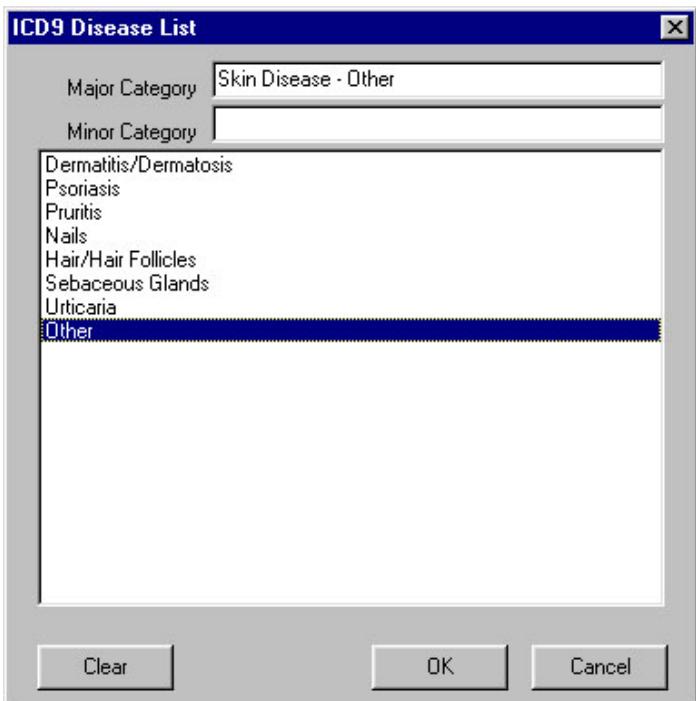
1. From the “*New Diagnosis--Patient’s name (SSN)*” dialog box, select the **ICD-9 Disease List** push button. In the previous example, we had a patient with a rash and could only assign him to the general category, Dermatological. A second opinion assures us that it is dermatitis, probably caused from contact with plants. Using the **ICD-9 Disease List**, scroll down to *Skin Disease-Other*.

The “*ICD9 Disease List*” dialog box will appear:



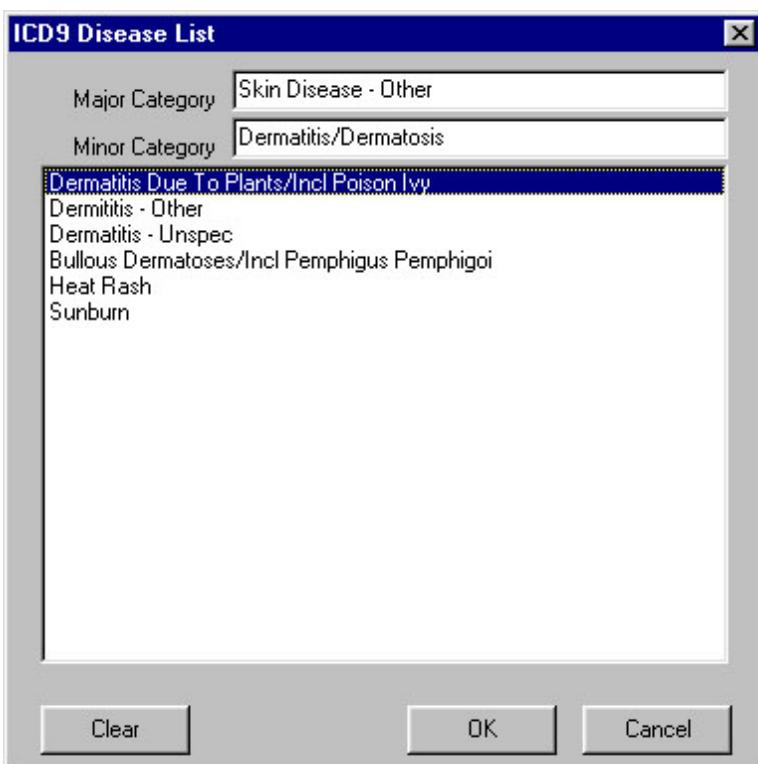
2. Scroll down until “*Skin Disease-Other*” appears and highlight it.

You will notice that “*Skin Disease-Other*” now appears in the **Major Category** list box and a Minor Category list now appears.



3. Select *Dermatitis/Dermatoses* from the **Minor Category** list.

Based on your first and second selections a list of specific options will appear:



4. Select “*Dermatitis Due to Plants/Including Poison Ivy*” and click **OK** to accept your selections.

Note

If you accidentally select the wrong category, click on the **Clear** button to start over.

This will bring you back to the “*New Diagnosis—Patient’s name (SSN)*” dialog box. Notice that the category Dermatology in the **Major Reporting Category** list box is highlighted. FMSS maps each diagnosis to one of the 24 Major Reporting Categories.

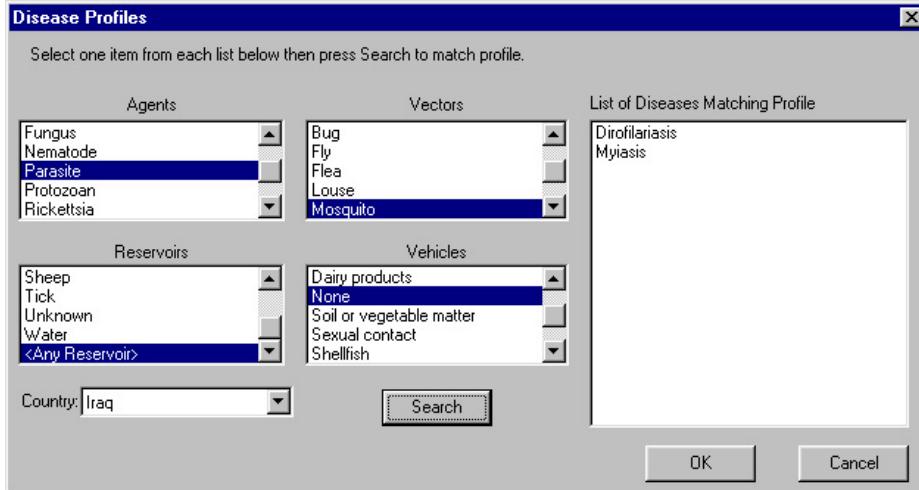
5. Choose the **OK** push button if you are finished entering diagnostic information.

Select Diagnosis Using Disease Profiles

This allows you to quickly select Agents, Vectors, Reservoirs, or Vehicles and search for diseases that match your profile.

1. Select the **Disease Profiles** push button from the “*New Diagnosis—Patient’s name (SSN)*,” dialog box.

The “*Disease Profile*” dialog box will appear:



2. Click on an Agent from the **Agents** list box. Repeat for each list box.

A list of diseases matching the selected profile will appear on the right.

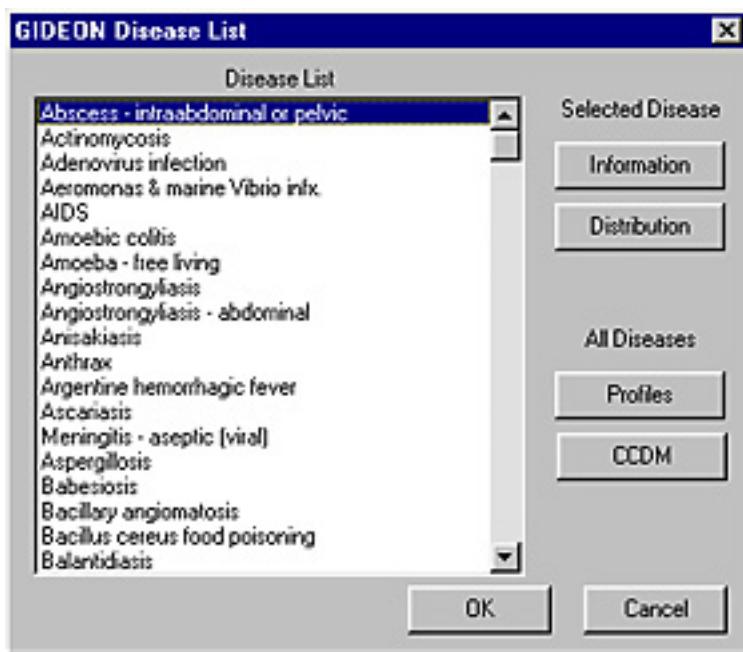
3. Click on a disease from the list and click **OK**.

Select Diagnosis Using GIDEON Disease List

This will bring up a list of all known infectious and parasitic diseases that occur throughout the world. This option is useful if you already know what infectious disease your patient is presenting with, or you want more information on the epidemiology and distribution. The other useful feature of this option is the **Profiles** option. For example, prior to deployment you have been briefed by your field entomologist that there is an unusual abundance of ticks in the country this spring. By using the **Profiles** option you can select Tick under Vectors, then push the **Search** button and the program will return a list of all known infectious diseases with a tick as their vector occurring in the particular country. This will alert you to all the potential tick-borne infectious diseases that you might encounter during this deployment.

- 1 Select the **GIDEON Disease List** push button from the “*New Diagnosis–Patient’s name (SSN)*” dialog box.

The “*GIDEON Disease List*” dialog box will appear:

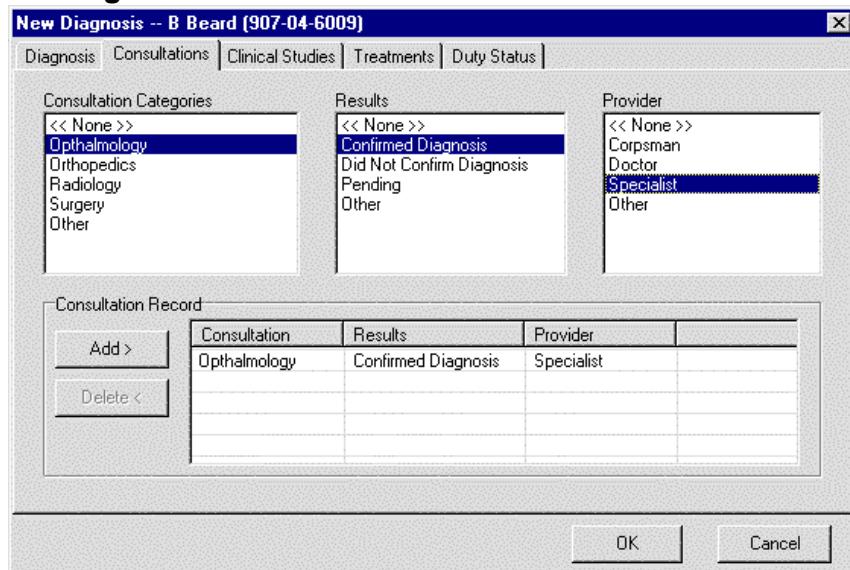


The push buttons located on the right of the dialog box are supplementary information for either selected diseases (Information, Distribution) or all diseases (Profiles, CCDM).

2. After you have selected a Disease from the **Disease List**, click **OK**.

This will return you to the “*New Diagnosis–Patient’s name (SSN)*” dialog box. You will notice your selected disease will appear in the **Diagnosis Description** text edit box.

Entering Consultations



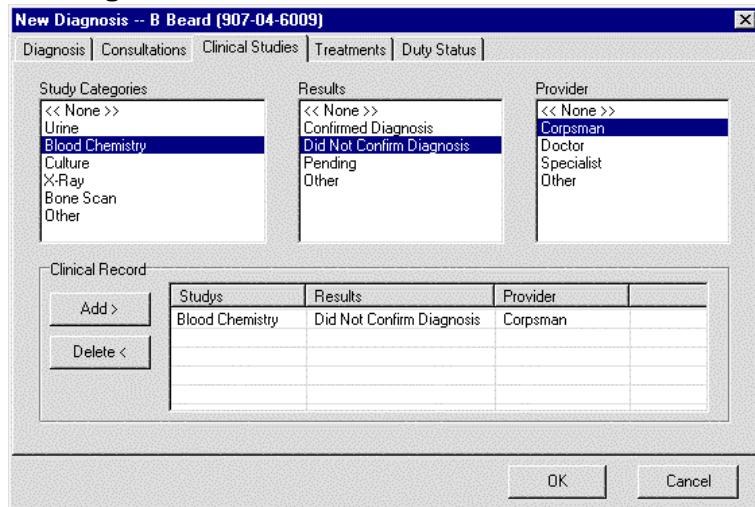
1. Select the Consultation tab on the “*New Diagnosis–Patient’s name (SSN)*” dialog box.

You have the option of selecting Consultation Categories, Results, and a Provider from this tab.

2. Click on a Consultation Category, Result, and Provider from the appropriate list boxes.
3. Select the **Add>** push button to add to the Consultation Record.

If you need to delete your entries click on the entry and push the **Delete,<** button.

Entering Clinical Studies



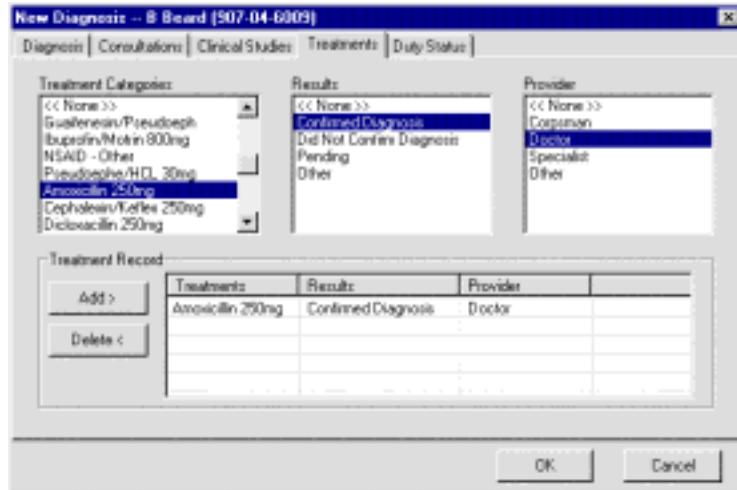
4. Select the Clinical Studies tab on the “*New Diagnosis–Patient’s name (SSN)*” dialog box.

You have the option of selecting a Clinical Studies Category, Result, and a Provider from this tab.

5. Click on a Clinical Study Category, Result, and Provider from the appropriate list boxes.
6. Select the **Add>** push button to add to the Consultation Record.

If you need to delete your entries click on the entry and push the **Delete<** button.

Entering Treatments



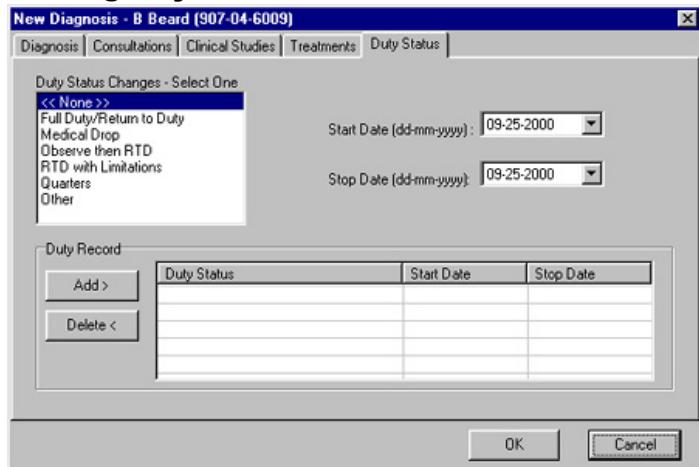
7. Select the Treatments tab on the “*New Diagnosis–Patient’s name (SSN)*” dialog box.

You have the option of selecting a Treatment Category, Result, and Provider from this tab.

8. Click on a Treatment Category, Result and Provider from the appropriate list boxes.
9. Select the **Add>** push button to add to the Consultation Record.

If you need to delete your entries click on the entry and push the **Delete<** button.

Entering Duty Status



10. Select the Duty Status tab on the “*New Diagnosis–Patient’s name (SSN)*” dialog box.

You have the option of selecting Duty Status and Start and Stop Dates from this tab.

11. Click on a Duty Status and Start and Stop Dates from the appropriate list boxes.
12. Select the **Add>** push button to add to the Consultation Record.

If you need to delete your entries click on the record and push the **Delete<** button.

Editing a Diagnosis

1. Select Edit Diagnosis... from the **Sick-call Data** menu.

The “*Edit Diagnosis–Patient Search*,” dialog box will appear:



2. Highlight the SSN and name and click **OK**.

The “*Patient Data – Patient’s name (SSN)*” dialog box will appear:

Patient Data - C O'hare (207-71-1088)

Date	Type of Visit	Description
07-27-2000	Diagnosis	Injury - Upper Extremity
09-27-2000	Diagnosis	Diarrhea/Gastrointestinal

OK Cancel

3. Select a Diagnosis and click **OK**.

The “*Edit Diagnosis–Name (SSN)*” dialog box will appear:

Edit Diagnosis - B Beard (907-04-6009)

Diagnosis | Consultations | Clinical Studies | Treatments | Duty Status |

Date of diagnosis (mm-dd-yyyy): 08-06-2000 Provider: Corpsman

Major Reporting Categories

- Diarrhea/Gastrointestinal
- Dermatological
- Respiratory
- Injury - Upper Extremity
- Injury - Lower Extremity
- Injury - Back
- Injury - Other**
- Unexplained Fever
- Sexually Transmitted Disease
- Ophthalmological
- Psychiatric
- Other - Unspecified
- Supplemental - Musculoskeletal

Diagnosis Help:

Signs and Symptoms Please select the Diagnosis
 ICD-9 Disease List Description using the Major Categories list or one of the Diagnosis Help buttons.
 Disease Profiles
 GIDEON Disease List

Diagnosis Description:
 Concussion

OK Cancel

4. Select a new Diagnosis and enter all or none of the following: **Consultations**, **Clinical Studies**, **Treatments**, and **Duty Status**.
5. Click **OK** to accept your edits.

Deleting a Diagnosis

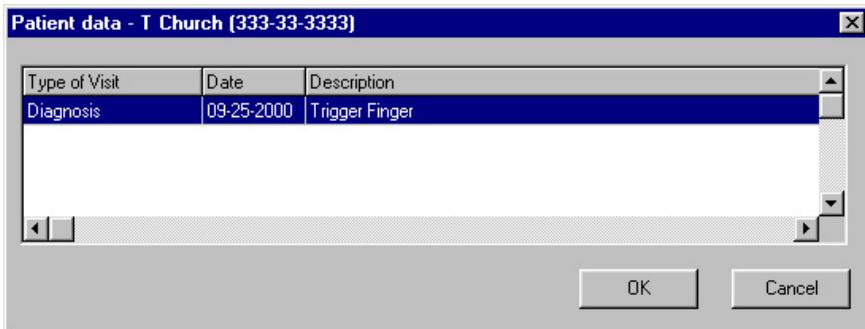
1. Select Delete Diagnosis... from the **Sick-call Data** menu.

2. The “*Delete Diagnosis–Patient Search*,” dialog box will appear:



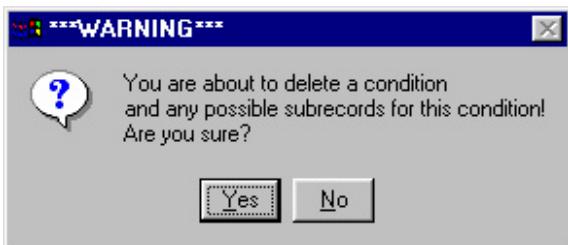
3. Highlight the SSN and name and click **OK**.

The “Patient Data – Patient’s name (SSN)” dialog box will appear:



4. Select a new Diagnosis and click **OK**.

A warning will appear:



5. Click **Yes** to delete the diagnosis and all records for that particular diagnosis.

Generating Reports

Daily Log

Daily log reports will show you the count and ratio for either all diseases or major disease categories.

Follow the instructions below to display or print a daily log.

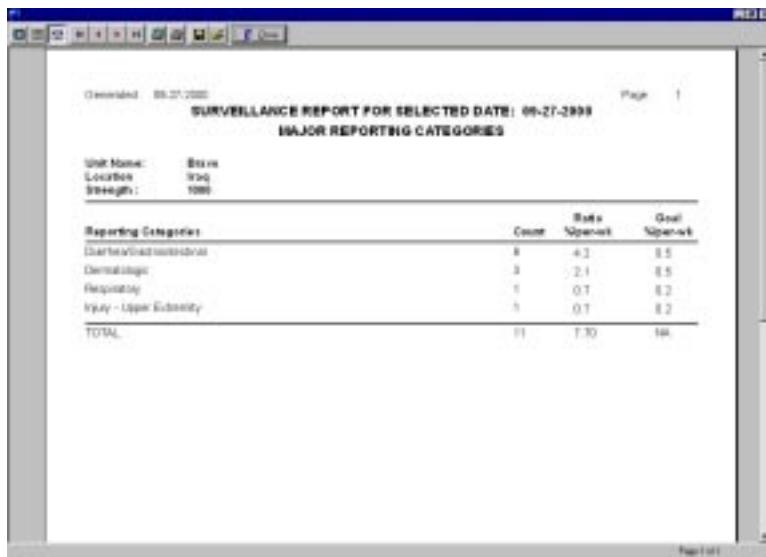
1. Select *Daily Logs . . .* from the **Reports** menu.

The “*Daily Log*” dialog box will appear:



2. Select one or more dates and click **OK**.

The Daily Log will appear in a text editor window. Click the printer icon to print the report. Click the **Close** button to return to FMSS.



Patient History

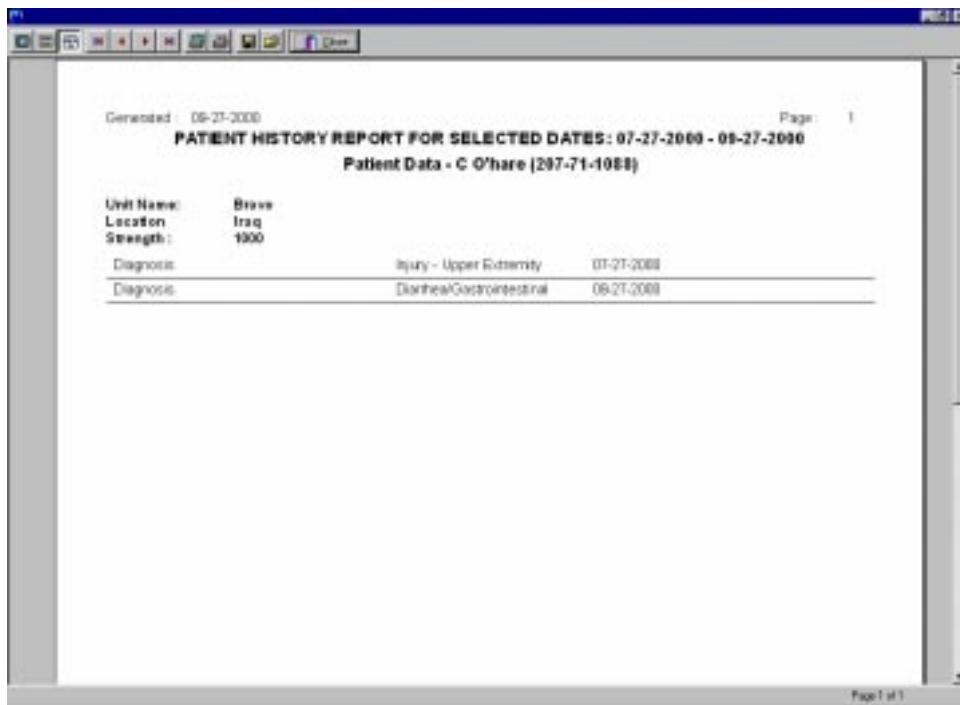
1. Select *Patient History...* from the **Reports** menu.

The “*Patient History–Patient Search*” dialog box will appear:



2. Select a name and click **OK**.

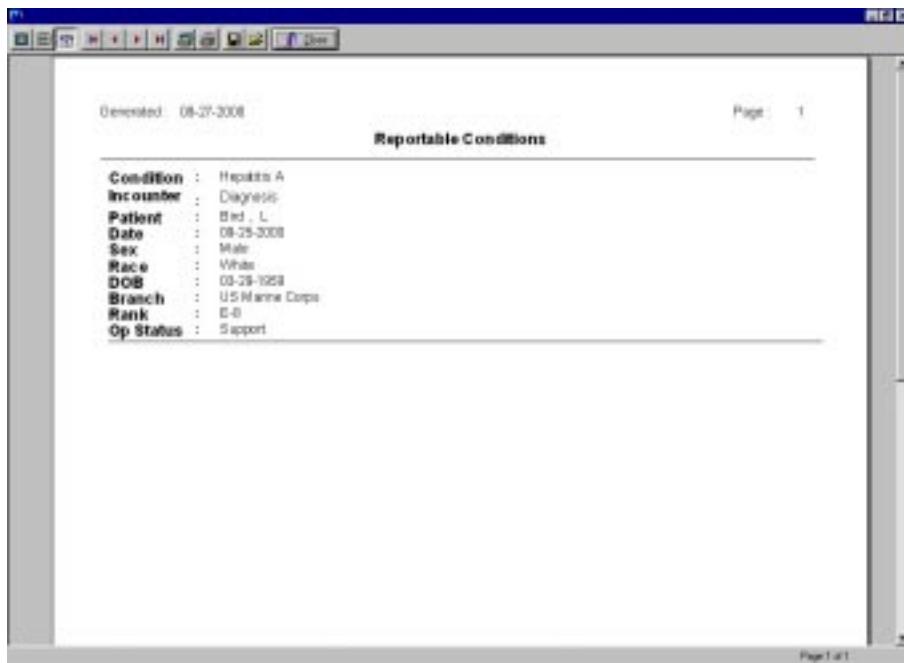
The Patient History report will appear in a text editor window. Click the printer icon to print the report. Click the **Close** button to return to FMSS.



Reportable Conditions

1. Select *Reportable Conditions...* from the **Reports** menu.

The Reportable Conditions report will appear in a text editor window. Click the printer icon to print the report. Click the **Close** button to return to FMSS.



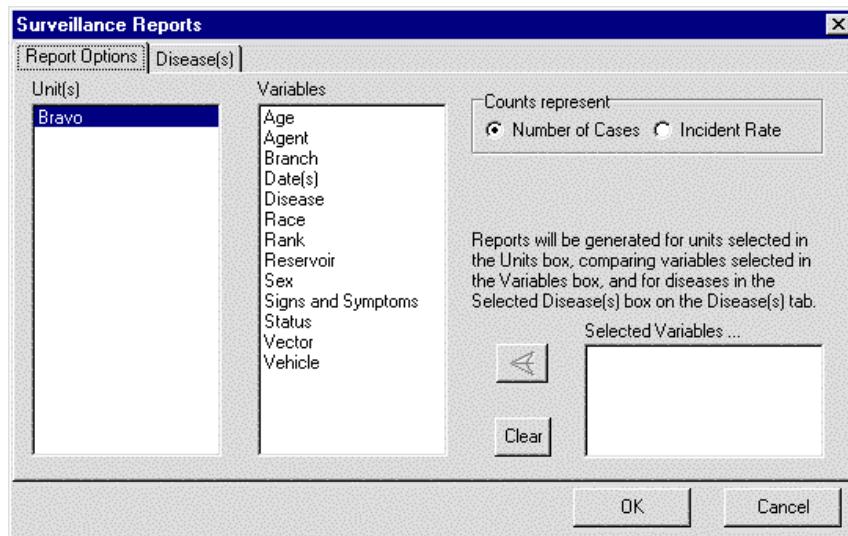
Classification Reports

1. Select *Classification Report . . .* from the **Reports** menu.

The Classification report will appear in a text editor window. Click the printer icon to print the report. Click the **Close** button to return to FMSS.

Surveillance Reports

1. Select *Surveillance Reports . . .* from the **Reports** menu.



2. From the "Surveillance Report" dialog box you can view a Text Report and/or a Time Series Graph.

To view a Text Report following the instruction below:

3. Click on the **Incidence Text Report** option.
4. Select one or more dates and click **OK**.

Note

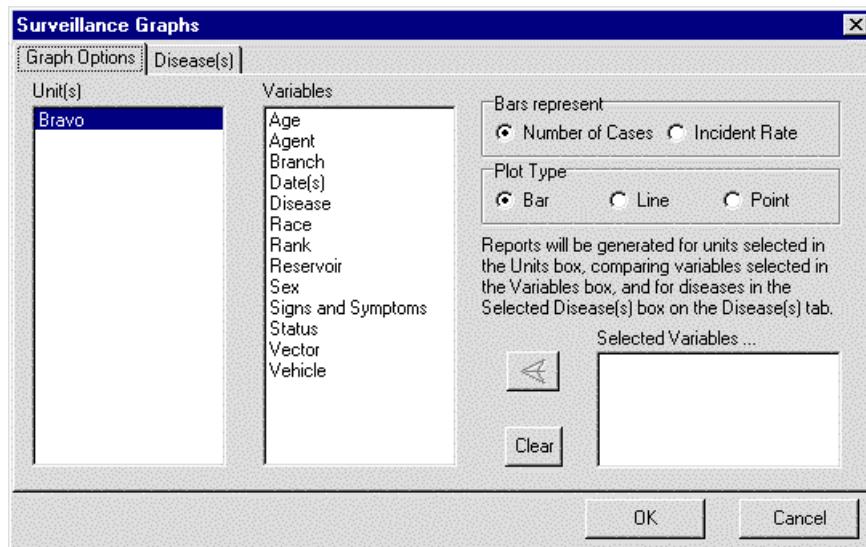
You will not have to select from the list of diseases and classes because the Incidence Text report provides information for all diseases.

To view a Time Series Graph follow these instructions:

5. Click on the **Incidence Time Series** option.
6. Select one or more dates and one or more diseases.
7. Click **OK**.

Surveillance Graphs

1. Select *Surveillance Graphs . . .* from the **Reports** menu.



The “Report Options” dialog box will appear:

2. Select one or more diseases.
3. Select one or more units.
4. Select a variable for the X axis and click the right arrow to the left of the **X axis:** text edit box.
5. Select a variable for the Y axis and click the right arrow to the left of the **Y axis** text edit box.
6. Select either the **Number of Cases** or the **Incident Rate** option.
7. Select a plot type and click **OK**.

Resources

FMSS provides the following on-line medical references from the **Resources** drop-down menu: *Control of Communicable Diseases Manual (CCDM)*, *Medical, Environmental, Disease, Intelligence, and Countermeasures (MEDIC)* and *Tri-service Reportable Events Guidelines and case definitions (TSRE)*.

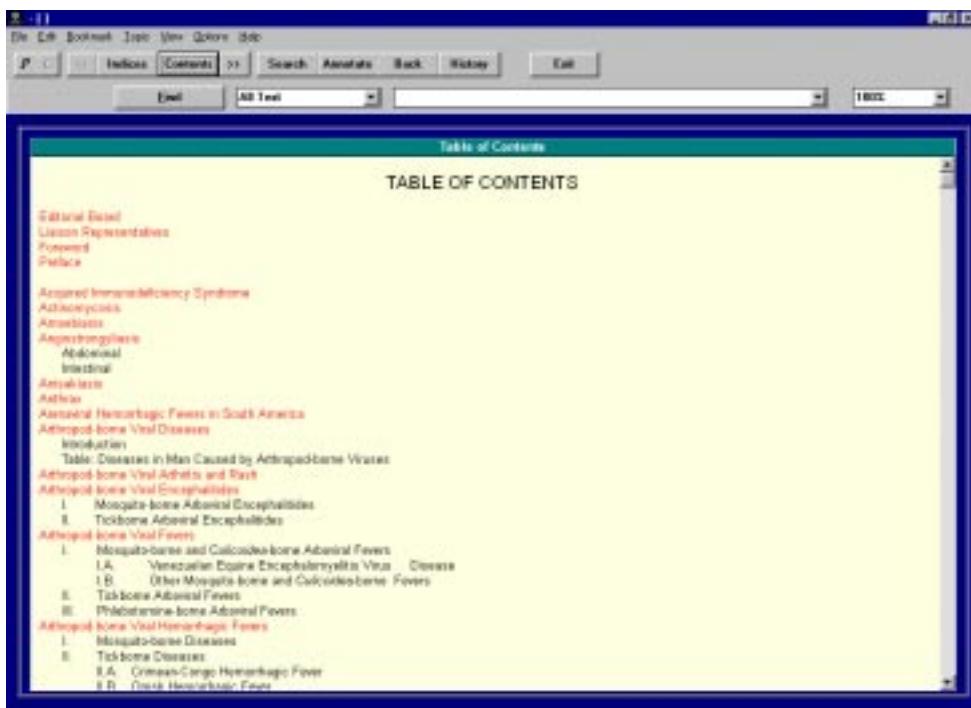
CCDM

The *Control of Communicable Disease Manual*, published by the American Public Health Association, provides extensive information about communicable diseases. To view on-line information for a specific disease, follow these instructions:

1. Select *CCDM...* from the **Resources** menu.

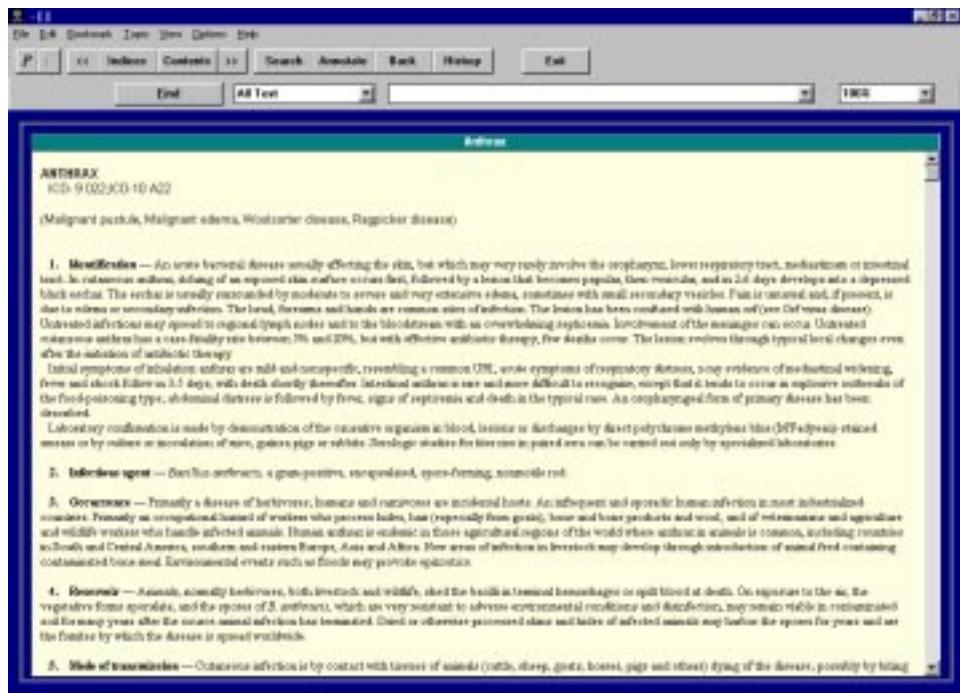
The cover of the book will appear followed by the copyright screen.

2. Select **OK** to display the CCDM Table of Contents.



3. Each main item in the Table of Contents can be selected with the mouse, which will display that section of the manual.

See sample display after clicking Anthrax.

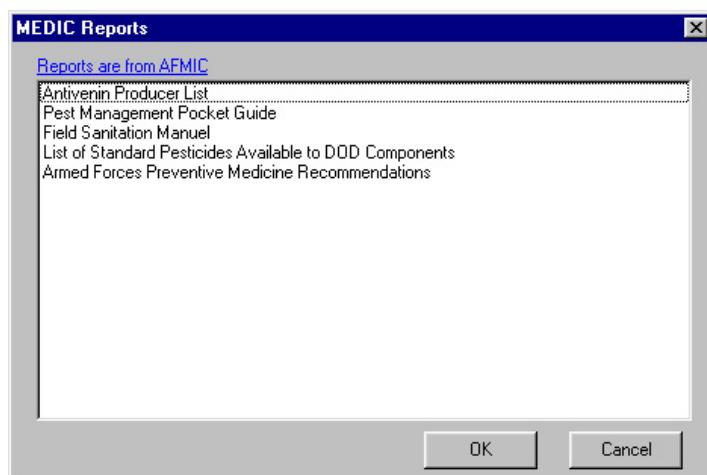


MEDIC Reports

The *Medical, Environmental, Disease, Intelligence, and Countermeasures* report, published by the Armed Forces Medical Intelligence Center, provides five generic reports. Follow these instructions to view these report options:

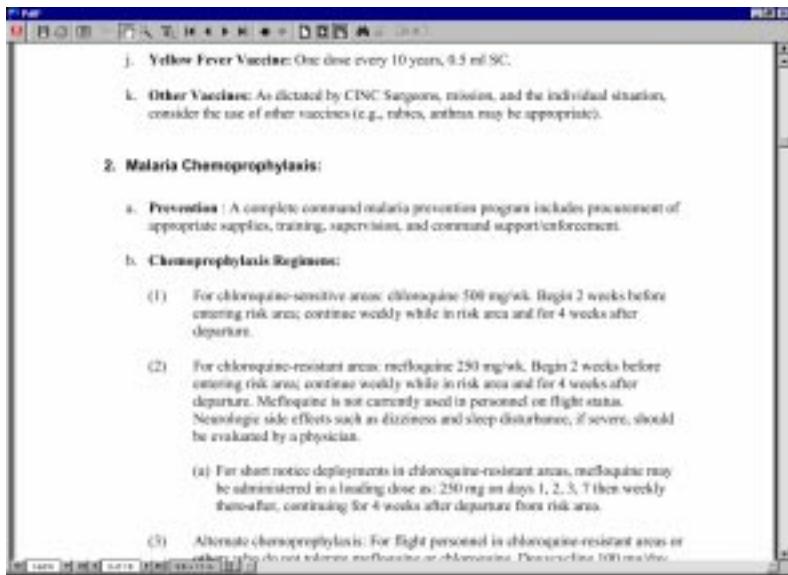
1. Select *MEDIC Reports...* from the **Resources** menu.

The following global report options will appear:



2. Select a report option and click **OK**.

Adobe Acrobat Reader will load the report on screen. See sample below:



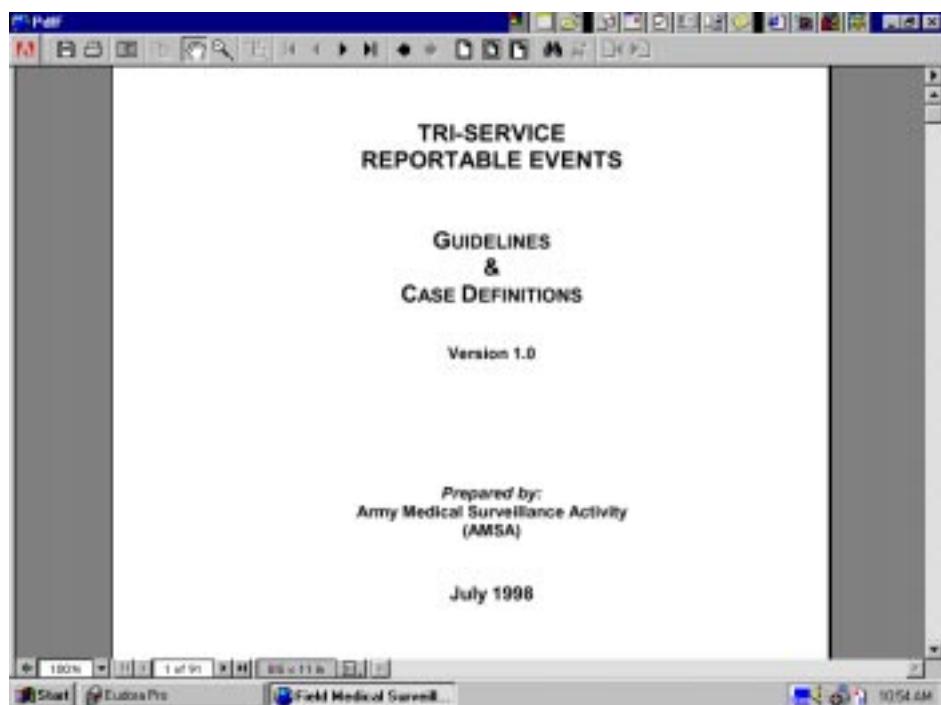
TSRE – Reportable Events Report

The Tri-Service Reportable Events report provides case definitions for all 85 tri-service reportable diseases.

To view the TSRE follow these instructions:

1. Select *TSRE – Reportable Events Report...* from the **Resources** menu.

Adobe Acrobat Reader will load the report on screen. See cover page below:



Diseases Included in the GIDEON Database

1. Abscess - intraabdominal or pelvic
2. Actinomycosis
3. Adenovirus infection
4. Aeromonas & marine Vibrio infx.
5. AIDS
6. Amoebic colitis
7. Amoebic abscess
8. Amoeba - free living
9. Angiostrongyliasis
10. Angiostrongyliasis - abdominal
11. Anisakiasis
12. Anthrax
13. Argentine hemorrhagic fever
14. Ascariasis
15. Meningitis - aseptic (viral)
16. Aspergillosis
17. Babesiosis
18. Bacillary angiomatosis
19. Bacillus cereus food poisoning
20. Balantidiasis
21. Barmah Forest disease
22. Bartonellosis - South American
23. Baylisascariasis
24. Bertielliasis
25. Blastocystis hominis infection
26. Blastomycosis
27. Bolivian hemorrhagic fever
28. Botulism
29. Brain abscess
30. Brainerd diarrhea
31. Brazilian purpuric fever
32. Brucellosis
33. Bunyaviridae infections - misc.
34. California encephalitis group
35. Campylobacteriosis
36. Candidiasis
37. Capillariasis - hepatic
38. Capillariasis - intestinal
39. Bartonellosis - Cat borne
40. Cercarial dermatitis

41. Chancroid
 42. Chikungunya
 43. Chlamydia infections, misc.
 44. Chlamydia pneumoniae infection
 45. Cholecystitis & cholangitis
 46. Cholera
 47. Chromomycosis
 48. Chronic fatigue syndrome
 49. Chronic meningococcemia
 50. Clonorchiasis
 51. Clostridial food poisoning
 52. Clostridial myonecrosis
 53. Clostridium difficile colitis
 54. Coccidioidomycosis
 55. Coenurosis
 56. Colorado tick fever
 57. Common cold
 58. Conjunctivitis - inclusion
 59. Conjunctivitis - viral
 60. Cowpox
 61. Crimean-Congo hemorrhagic fever
 62. Cryptococcosis
 63. Cryptosporidiosis
 64. Cutaneous larva migrans
 65. Leishmaniasis - cutaneous
 66. Cyclospora infection
 67. Cysticercosis
 68. Cytomegalovirus infection
 69. Dengue
 70. Dermatophytosis
 71. Dicrocoeliasis
 72. Dientamoebal diarrhea
 73. Dioctophyme renale infection
 74. Diphtheria
 75. Diphyllobothriasis
 76. Dipylidiasis
 77. Dirofilariasis
 78. Dracunculiasis
 79. Eastern equine encephalitis
 80. Ebola Disease
 81. Echinococcosis
 82. Echinococcus - multilocular
 83. Echinococcosis - American polycystic
 84. Echinostomiasis
 85. Ehrlichiosis - human monocytic
 86. Ehrlichiosis - E. sennetsu
 87. Ehrlichiosis - human granulocytic
 88. Endemic syphilis (bejel)
 89. Endocarditis - infectious
 90. Entamoeba polecki infection
 91. Enteritis necroticans
 92. Enterobiasis

- | | |
|--|-------------------------------------|
| 93. Enterovirus infection | 118.Hepatitis A |
| 94. Entomophthoramycosis | 119.Hepatitis B |
| 95. Epidural abscess | 120.Hepatitis C |
| 96. Nipah and Hendra viruses | 121.Hepatitis D |
| 97. Erysipelas or cellulitis | 122.Hepatitis E |
| 98. Erysipeloid | 123.Hepatitis G and GB |
| 99. Erythrasma | 124.Herpes simplex infection |
| 100.Escherichia coli diarrhea | 125.Herpes simplex encephalitis |
| 101.Tick-borne encephalitis: Central European | 126.Herpesvirus simiae infection |
| 102.Tick-borne encephalitis: Russian spring-summer | 127.Herpes zoster |
| 103.Fascioliasis | 128.Heterophyiasis |
| 104.Fasciolopsiasis | 129.Histoplasmosis |
| 105.Filariasis - Brugia malayi | 130.Histoplasmosis - African |
| 106.Filariasis - Brugia timori | 131.HIV infection - initial illness |
| 107.Filariasis - Bancroftian | 132.Hookworm |
| 108.Bacterial vaginosis | 133.Hymenolepis diminuta infection |
| 109.Gastrodiscoidiasis | 134.Hymenolepis nana infection |
| 110.Giardiasis | 135.Ilheus |
| 111.Glanders | 136.Influenza |
| 112.Gnathostomiasis | 137.Intracranial venous thrombosis |
| 113.Gonorrhea | 138.Isosporiasis |
| 114.Granuloma inguinale | 139.Japanese encephalitis |
| 115.Group C viral fevers | 140.Karelian fever |
| 116.Hantavirus resp. distress syndrome | 141.Kawasaki disease |
| 117.Hantavirus infections - Old World | 142.Kikuchi's disease |
| | 143.Kingella infection |

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|--------------------------------------|--|
| 144.Kyasanur Forest disease | 170.Japanese spotted fever |
| 145.Lagochilascariasis | 171.Astrakhan fever |
| 146.Laryngotracheobronchitis | 172.African tick bite fever |
| 147.Lassa fever | 173.Melioidosis |
| 148.Legionellosis | 174.Meningitis - bacterial |
| 149.Leprosy | 175.Metagonimiasis |
| 150.Leptospirosis | 176.Metorchiasis |
| 151.Linguatulosis | 177.Microsporidiosis |
| 152.Listeriosis | 178.Monkeypox |
| 153.Liver abscess - bacterial | 179.Mononucleosis - infectious |
| 154.Lobomycosis | 180.Leishmaniasis - mucocutaneous |
| 155.Loiasis | 181.Mumps |
| 156.Louping ill | 182.Murray Valley encephalitis |
| 157.Lyme disease | 183.Mycetoma |
| 158.Lymphocytic choriomeningitis | 184.Mycobacteriosis - M. marinum |
| 159.Lymphogranuloma venereum | 185.Mycobacteriosis - M. scrofulaceum |
| 160.Malaria | 186.Mycobacteriosis - M. ulcerans |
| 161.Malignant otitis externa | 187.Mycobacteriosis - systemic |
| 162.Mansonelliasis - M. ozzardi | 188.Mycoplasma pneumoniae infection |
| 163.Mansonelliasis - M. perstans | 189.Myiasis |
| 164.Mansonelliasis - M. streptocerca | 190.Nanophyetiasis |
| 165.Marburg virus disease | 191.Necrotizing skin/soft tissue infx. |
| 166.Mayaro | 192.Neutropenic typhlitis |
| 167.Measles | 193.New World phleboviruses |
| 168.Mediterranean spotted fever | 194.Nocardiosis |
| 169.Israeli spotted fever | 195.North Asian tick typhus |

196.Gastroenteritis - viral	222.Pharyngeal & cervical space infx.
197.O'nyong nyong	223.Pharyngitis - bacterial
198.Ockelbo disease	224.Pinta
199.Oesophagostomiasis	225.Pityriasis rosea
200.Omsk hemorrhagic fever	226.Plague
201.Onchocerciasis	227.Plesiomonas enteritis
202.Opisthorchiasis	228.Pleurodynia
203.Orbital infection	229.Pneumocystis pneumonia
204.Orf	230.Pneumonia - bacterial
205.Ornithosis	231.Pogosta disease
206.Oropouche	232.Poliomyelitis (wild or vaccine)
207.Osteomyelitis	233.Powassan
208.Otitis media	234.Protobocosis
209.Paracoccidioidomycosis	235.Pseudocowpox
210.Paragonimiasis	236.Pyoderma (impetigo, abscess, etc)
211.Parainfluenza virus infection	237.Pyomyositis
212.Parvovirus B19 infection	238.Q fever
213.Pasteurellosis	239.Queensland tick typhus
214.Pediculosis	240.Flinders Island spotted fever
215.Penicilliosis	241.Rabies
216.Pentastomiasis	242.Rat bite fever - spirillary
217.Pericarditis - bacterial	243.Rat bite fever - streptobacillary
218.Perinephric abscess	244.Relapsing fever
219.Perirectal abscess	245.Respiratory syncytial infection
220.Peritonitis - bacterial	246.Reye's syndrome
221.Pertussis	247.Rheumatic fever

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|------------------------------------|------------------------------------|
| 248.Rhinoscleroma | 274.Fungal infection - invasive |
| 249.Rhinosporidiosis | 275.Shigellosis |
| 250.Rhodococcus equi infection | 276.Sindbis |
| 251.Rickettsia felis infection | 277.Sinusitis |
| 252.Rickettsialpox | 278.Smallpox |
| 253.Rift Valley fever | 279.Sparganosis |
| 254.Rocio | 280.Spondweni |
| 255.Rocky Mountain spotted fever | 281.Sporotrichosis |
| 256.Roseola or human herpesvirus 6 | 282.St. Louis encephalitis |
| 257.Ross River disease | 283.Staphylococcal food poisoning |
| 258.Rotavirus infection | 284.Strongyloidiasis |
| 259.Rubella | 285.Subdural empyema |
| 260.Sabia | 286.Suppurative parotitis |
| 261.Salmonellosis | 287.Syngamiasis |
| 262.Sandfly fever | 288.Syphilis |
| 263.Sarcocystosis | 289.Taeniasis |
| 264.Scabies | 290.Tanapox virus disease |
| 265.Scarlet fever | 291.Tetanus |
| 266.Schistosomiasis - haematobium | 292.Thelaziasis |
| 267.Schistosomiasis - intercalatum | 293.Thogoto |
| 268.Schistosomiasis - japonicum | 294.Toxic shock syndrome |
| 269.Schistosomiasis - mansoni | 295.Toxocariasis |
| 270.Schistosomiasis - mattheei | 296.Toxoplasmosis |
| 271.Schistosomiasis - mekongi | 297.Trachoma |
| 272.Septic arthritis | 298.Bartonellosis - Other systemic |
| 273.Septicemia - bacterial | 299.Trichinosis |

- | | |
|---------------------------------------|---------------------|
| 300.Trichomoniasis | 326.Wound infection |
| 301.Trichostrongyliasis | 327.Yaws |
| 302.Trichuriasis | 328.Yellow fever |
| 303.Tropical phagedenic ulcer | 329.Yersiniosis |
| 304.Tropical pulmonary eosinophilia | 330.Zygomycosi |
| 305.Tropical sprue | |
| 306.Trypanosomiasis - African | |
| 307.Trypanosomiasis - American | |
| 308.Tuberculosis | |
| 309.Tularemia | |
| 310.Tungiasis | |
| 311.Typhoid and enteric fever | |
| 312.Typhus - endemic | |
| 313.Typhus - epidemic | |
| 314.Typhus - scrub | |
| 315.Urinary tract infection | |
| 316.Varicella | |
| 317.Venezuelan equine encephalitis | |
| 318.Venezuelan hemorrhagic fever | |
| 319.Vesicular stomatitis disease | |
| 320.Vibrio parahaemolyticus infection | |
| 321.Leishmaniasis - visceral | |
| 322.Wesselsbron | |
| 323.West Nile Fever | |
| 324.Western equine encephalitis | |
| 325.Whipple's disease | |

Disease and Injuries Included in the FMSS Database

1. Musculoskeletal System - Arthropathy/Joint
2. Polyarthropathy/Inflammatory
3. Arthritis/Infective
4. Arthritis/Rheumatoid
5. Polyarthropathy/Inflammatory - Other
6. Osteoarthritis
7. Osteoarthritis - Hand/Fingers/Thumb
8. Osteoarthritis - Shoulder
9. Osteoarthritis - Elbow
10. Osteoarthritis - Wrist
11. Osteoarthritis - Hip
12. Osteoarthritis - Knee
13. Osteoarthritis - Ankle/Foot
14. Loose Bodies
15. Loose Bodies - Knee
16. Loose Bodies - Elbow
17. Loose Bodies - Ankle/Foot
18. Effusion
19. Effusion - Elbow
20. Effusion - Knee
21. Effusion - Ankle
22. Hemarthrosis
23. Hemarthrosis - Knee
24. Arthralgia/Pain
25. Arthralgia/Pain - Shoulder
26. Arthralgia/Pain - Elbow
27. Arthralgia/Pain - Wrist
28. Arthralgia/Pain - Hand/Finger/Thumb
29. Arthralgia/Pain - Hip
30. Arthralgia/Pain - Knee (Excl Pat-Femoral Sy)
31. Arthralgia/Pain - Ankle
32. Arthralgia/Pain - Foot
33. Capsulitis
34. Capsulitis - Knee
35. Capsulitis - Ankle/Foot
36. Capsulitis - Shoulder
37. Capsulitis - Elbow
38. Capsulitis - Wrist
39. Capsulitis - Hip
40. Musculoskeletal System - Back/Spine
41. Facet Syndrome
42. Facet Syndrome - Back

43. Facet Syndrome - Neck
 44. Spondylosis
 45. Spondylosis/With Cord Impingement
 46. Spondylosis/No Cord Impingement
 47. Radiculopathy/Disc Displacement
 48. Radiculopathy/Disc Displacement - Cervical
 49. Radiculopathy/Disc Displacement - Lumbar/Sa
 50. Radiculopathy/Disc Displacement - Thoracic
 51. Radiculopathy/No Disc Disease - Cervical
 52. Radiculopathy/No Disc Disease - Lumbosacral
 53. Radiculopathy/No Disc Disease - Thoracic
 54. Sciatica
 55. Sciatica/No Known Disc Disease
 56. Degenerative Disc Disease
 57. Degenerative Disc Disease - Cervical
 58. Degenerative Disc Disease - Thoracic
 59. Degenerative Disc Disease - Lumbosacral
 60. Degeneration - Intervertebral Disc/Unspec
 61. Back Pain
 62. Back Pain - Upper/Mid/Thoracic
 63. Back Pain - Lumbosacral (Incl Mechanical)
 64. Neck Pain
 65. Neck Pain/Cervicalgia
 66. Torticollis
 67. Other
 68. Spondylitis - Ankylosing
 69. Musculoskeletal System - Tendinitis/Bursiti
 70. Spinal Ensetopathy
 71. Spinal Enthesopathy/Spinal Tendinitis
 72. Sacroiliitis
 73. Tendinitis/Bursitis - Shoulder/Upper Arm
 74. Tendinitis/Bursitis - Rotator Cuff
 75. Tenosynovitis - Biceps
 76. Impingement Syndrome
 77. Tendinitis/Tenosynovitis - Elbow/Forearm
 78. Medial Epicondylitis/GolferGs Elbow
 79. Lateral Epicondylitis/Tennis Elbow
 80. Tendinitis/Tenosynovitis - Elbow/Other
 81. Bursitis - Olecranon
 82. De Quervains Tenosynovitis
 83. Tendinitis/Tenosynovitis - Wrist/Hand/Finge
 84. Tendinitis/Tenosynovitis - Wrist/Hand/Other
 85. Trigger Finger
 86. Tendinitis/Bursitis - Hip/Thigh
 87. Tendinitis/Bursitis - Ischial/Hamstring Ori
 88. Tendinitis/Bursitis - Trochanter
 89. Tendinitis/Bursitis - Hip/Other
 90. Tendinitis/Bursitis - Knee/Lower Leg
 91. Tendinitis/Bursitis - Pes Anserine
 92. Tendinitis - Infrapatellar
 93. Tendinitis - Suprapatellar
 94. Tendinitis - Patella/Unspec

- | | |
|--|--|
| 95. Bursitis - Patella/Unspec | 121. Deformity/Acquired - Toe |
| 96. Bursitis - Prepatellar | 122. Hallux Valgus |
| 97. Iliotibial Band Syndrome | 123. Hallux Varus |
| 98. Patellafemoral Syndrome | 124. Hammer Toe |
| 99. Tendinitis/Bursitis - Ankle/Foot | 125. Deformity/Acquired - Toe/Other |
| 100. Tendinitis - Tibia | 126. Deformity/Acquired - Shoulder |
| 101. Tendinitis - Peroneal | 127. Deformity/Acquired - Shoulder/Other |
| 102. Tendinitis - Achilles | 128. Deformity/Acquired - Elbow/Forearm |
| 103. Plantar Fasciitis | 129. Bone Spur/Exostosis - Elbow |
| 104. Tendinitis/Tenosynovitis - Ankle/Foot/Other | 130. Deformity/Acquired - Elbow/Forearm/Other |
| 105. Tendinitis/Bursitis - Other | 131. Deformity/Acquired - Wrist/Hand |
| 106. Musculoskeletal System - Deformity/Acquired | 132. Ganglion Cyst - Wrist |
| 107. Deformity/Acquired - Spine | 133. Deformity/Acquired - Wrist |
| 108. Spondylolisthesis/Acquired | 134. Deformity/Acquired - Finger |
| 109. Deformity/Acquired - Back/Spine/Other | 135. Mallet Finger |
| 110. Deformity/Acquired - Hip | 136. Deformity/Acquired - Finger/Other |
| 111. Deformity/Acquired - Hip/Other | 137. Musculoskeletal System - Osteopathy/Chondro |
| 112. Deformity/Acquired - Knee | 138. Osteomyelitis |
| 113. Bipartite/Tripartite - Patella | 139. Osteomyelitis/Acute |
| 114. Bakers Cyst - Knee | 140. Osteomyelitis/Chronic |
| 115. Plica - Knee | 141. Myositis Ossificans |
| 116. Deformity/Acquired - Knee/Other | 142. Osteochondritis Dessicans |
| 117. Deformity/Acquired - Ankle/Foot | 143. Osteochondritis Dessicans - Knee |
| 118. Calcaneal Bone Spur | 144. Osteochondritis Dessicans - Ankle Talar Dom |
| 119. Bunion/Bunionette | 145. Chondromalacia |
| 120. Deformity/Acquired - Ankle/Foot/Other | 146. Chondromalacia/Surgical Diagnosis Only |

147.Tietzes Disease	173.Shouler/Upper Arm
148.Tietzes Disease/Costochondral Junction Synd	174.Elbow/Forearm - Other
149.Osgood Schlatter	175.Wrist/Hand - Other
150.Costochondritis	176.Hip/Thigh - Other
151.Musculoskeletal System - Other	177.Knee/Lower Leg - Other
152.Pain - Heel	178.Ankle/Foot - Other
153.Myalgia/Myositis/Trigger Point	179.Injury - Fracture
154.Myalgia/Myositis	180.Fracture - Open
155.Trigger Point	181.Fracture - Skull/Open
156.Residual Foreign Body/Soft Tissue	182.Fracture - Face Bones/Open
157.Somatic Dysfunction	183.Fracture - Vertebral Column/Open
158.Somatic Dysfunction - Head	184.Fracture - Ribs/Sternum/Open
159.Somatic Dysfunction - Cervical	185.Fracture - Pelvis/Open
160.Somatic Dysfunction - Thoracic	186.Fracture - Clavicle/Open
161.Somatic Dysfunction - Lumbar	187.Fracture - Scapula/Open
162.Somatic Dysfunction - Sacral	188.Fracture - Humerus/Open
163.Somatic Dysfunction - Pelvic	189.Fracture - Radius/Ulna/Open
164.Somatic Dysfunction - Lower Extremities	190.Fracture - Wrist/Hand/Open
165.Somatic Dysfunction - Rib Cage	191.Fracture - Femur/Open
166.Somatic Dysfunction - Abdomen/Other	192.Fracture - Tibia/Fibula/Open
167.Joint Laxity	193.Fracture - Patella/Open
168.Internal Derangement/Laxity - Knee/Unspec	194.Fracture - Ankle/Open
169.Laxity/Instability/Chronic - Ankle	195.Fracture - Foot/Open
170.Laxity - Joint Ligament	196.Fracture - Closed
171.Musculoskeletal Disorder - Other	197.Fracture - Skull/Closed
172.Back/Neck/Trunk - Other	198.Fracture - Face Bones/Closed

- | | |
|--|---|
| 199.Fracture - Vertebral Column/Closed | 225.Stress Reaction/Periostitis |
| 200.Fracture - Ribs/Sternum/Closed | 226.Stress Reaction/Periostitis - Pelvis |
| 201.Fracture - Pelvis/Closed | 227.Stress Reaction/Periostitis - Femur |
| 202.Fracture - Clavicle/Closed | 228.Stress Reaction/Periostitis - Ankle |
| 203.Fracture - Scapula/Closed | 229.Stress Reaction/Periostitis - Foot |
| 204.Fracture - Humerus/Closed | 230.Shin Splints/Periostitis - Tibia |
| 205.Fracture - Radius/Ulna/Closed | 231.Shin Splints/Periostitis - Fibula |
| 206.Fracture - Wrist/Hand/Closed | 232.Injury - Dislocation/Subluxation/Sprain |
| 207.Fracture - Femur/Closed | 233.Disloc/Sublux/Spr - Back/Neck/Trunk |
| 208.Fracture - Patella/Closed | 234.Dislocation - Cervical Vertebra |
| 209.Fracture - Tibia/Fibula/Closed | 235.Dislocation - Thoracic/Lumbar Vertebra |
| 210.Fracture - Ankle/Closed | 236.Separation - Ac Joint |
| 211.Fracture - Foot/Closed | 237.Disloc/Sublux/Spr - Shoulder/Upper Arm |
| 212.Fracture - Stress | 238.Subluxation - Shoulder |
| 213.Fracture/Stress - Pelvis | 239.Dislocation - Shoulder |
| 214.Fracture/Stress - Femur Neck/Head | 240.Sprain - Shoulder/Upper Arm |
| 215.Fracture/Stress - Femur Shaft | 241.Disloc/Sublux/Spr - Elbow/Forearm |
| 216.Fracture/Stress - Femur/Lower End | 242.Dislocation/Subluxation - Elbow |
| 217.Fracture/Stress - Tibia/Upper End | 243.Sprain - Elbow/Forearm |
| 218.Fracture/Stress - Fibula/Upper End | 244.Disloc/Sublux/Spr - Wrist/Hand/Fingers |
| 219.Fracture/Stress - Tibia/Shft | 245.Dislocation/Subluxation - Wrist/Hand |
| 220.Fracture/Stress - Fibula/Shft | 246.Dislocation/Sublux - Fingers |
| 221.Fracture/Stress - Ankle | 247.Dislocation/Subluxation - Thumb |
| 222.Fracture/Stress - Heel | 248.Sprain - Wrist |
| 223.Fracture/Stress - Metatarsals | 249.Sprain - Hand/Fingers/Thumb |
| 224.Fracture/Stress - Foot/Other | 250.Sprain - Ucl/SkiierGs Thump/GamekeeperGs Th |

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| 251.Disloc/Sublux/Spr - Hip/Pelvis/Thigh | 277.Strain - Back/Unspec |
| 252.Dislocation/Subluxation - Hip | 278.Strain - Shoulder/Upper Arm |
| 253.Snapping Hip Syndrome | 279.Strain - Shoulder/Upper Arm |
| 254.Sprain - Hip/Other | 280.Strain - Elbow/Forearm |
| 255.Sprain - Thigh/Other | 281.Strain - Wrist/Hand/Fingers |
| 256.Disloc/Sublux/Spr - Knee/Lower Leg | 282.Strain - Wrist |
| 257.Dislocation - Patella | 283.Strain - Hip/Pelvis/Thigh |
| 258.Subluxation - Patella | 284.Strain - Hip Adductors (Groin Strain) |
| 259.Sprain - Anterior Cruciate Ligament | 285.Strain - Hip Flexors |
| 260.Sprain - Posterior Cruciate Ligament | 286.Strain - Gluteus |
| 261.Sprain - Lateral Collateral Ligament | 287.Strain - Hamstring |
| 262.Sprain - Medcial Collateral Ligament | 288.Strain - Quadriceps |
| 263.Sprain - Knee/Lower Leg - Other | 289.Strain - Hip/Other |
| 264.Disloc/Sublux/Spr - Ankle/Foot | 290.Strain - Thigh/Other |
| 265.Dislocation/Subluxation - Ankle | 291.Strain - Knee/Lower Leg |
| 266.Dislocation/Subluxation - Foot/Toes | 292.Strain - Knee/Lower Leg/Other |
| 267.Sprain/Eversion - Ankle | 293.Strain - Calf Muscles |
| 268.Sprain/Inversion - Ankle | 294.Strain - Foot |
| 269.Sprain - Ankle/Unspec | 295.Strain/Rupture - Achilles Tendon |
| 270.Sprain - Foot/Toes | 296.Strain - Foot/Toes |
| 271.Injury - Strain | 297.Injury - Environmental |
| 272.Strain - Back/Neck/Trunk | 298.Heat Effects |
| 273.Strain - Neck/Cervical | 299.Heat Fatigue - Transient |
| 274.Strain - Thoracic | 300.Heat Exhaustion |
| 275.Strain - Lumbar | 301.Heat Cramps |
| 276.Strain - Sacral | 302.Heat Stroke |

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| 303.Heat Effects/Other | 329.Rupture - Tympanic Membrane |
| 304.Cold Effects | 330.Decompression Sickness |
| 305.Hypothermia | 331.Gas Embolism - Arterial |
| 306.Frostbite | 332.Emphysema - Subcutaneous/Mediastinal |
| 307.Immersion/Trench Foot | 333.Pneumothorax (Diving Related) |
| 308.Drugs/Biological Substances | 334.Near Drowning |
| 309.Toxic Effects - Drugs | 335.Toxicity - Oxygen |
| 310.Toxic Effects - Biological Substances | 336.Deficiency - Oxygen |
| 311.Chemicals | 337.Toxicity - Carbon Dioxide |
| 312.Toxic Effects - Exposure/Chemicals/Other | 338.Caustic Alkali/Cocktail |
| 313.Gases/Fumes/Vapor | 339.Diving Injury - Other |
| 314.Toxicity - Carbon Monoxide | 340.Altitude |
| 315.Toxicity - Carbon Dioxide | 341.Altitude Decompression Sickness |
| 316.Deficiency - Oxygen | 342.Altitude Sickness |
| 317.Toxicity - Gases/Fumes/Vapor/Other | 343.Explosion |
| 318.Toxic Reaction - Ingested Foodstuffs | 344.Effects - Air Pressure/Explosion |
| 319.Toxic Reaction - Fish/Shellfish | 345.Acoustic Trauma/Otic Blast Injury - Ear |
| 320.Toxic Reaction - Plants | 346.Radiation |
| 321.Animals | 347.Toxic Effects - Radiation/Nuclear Exposure |
| 322.Toxic Reaction - Venomous Animals | 348.Exposure/Exertion |
| 323.Injury - Hazardous Marine Life | 349.Effects - Hunger/Starvation |
| 324.Diving | 350.Effects - Thirst |
| 325.Barotrauma - Middle Ear/Incl Rupture | 351.Dehydration/Volume Depletion |
| 326.Barotrauma - Sinus | 352.Exhaustion - Exposure |
| 327.Barotrauma - Other | 353.Exhaustion - Excessive Exertion |
| 328.Rupture - Round Window | 354.Other |

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| 355.Motion Sickness | 381.Abrasion/Noninfected - Elbow/Forearm |
| 356.Adult Maltreatment Syndrome | 382.Abrasion/Noninfected - Wrist/Hand |
| 357.Injury - Dermatological/Wound | 383.Abrasion/Noninfected - Hip/Pelvis/Thigh |
| 358.Open Wound/Laceration | 384.Abrasion/Noninfected - Knee/Lower Leg |
| 359.Open Wound/Laceration - Eyeball | 385.Abrasion/Noninfected - Ankle/Foot/Toes |
| 360.Open Wound/Laceration - Ocular Adnexa | 386.Abrasion - Infected |
| 361.Open Wound/Laceration - Ear | 387.Abrasion/Infected - Face/Scalp |
| 362.Open Wound/Laceration - Scalp | 388.Abrasion/Infected - Neck/Back/Trunk |
| 363.Open Wound/Laceration - Face | 389.Abrasion/Infected - Shoulder/Upper Arm |
| 364.Open Wound/Laceration - Neck | 390.Abrasion/Infected - Elbow/Forearm |
| 365.Open Wound/Laceration - Chest | 391.Abrasion/Infected - Wrist/Hand/Fingers |
| 366.Open Wound/Laceration - Shoulder/Upper Arm | 392.Abrasion/Infected - Hip/Pelvis/Thigh |
| 367.Open Wound/Laceration - Back | 393.Abrasion/Infected - Knee/Lower Leg |
| 368.Open Wound/Laceration - Elbow/Forearm | 394.Abrasion/Infected - Ankle/Foot/Toes |
| 369.Open Wound/Laceration - Wrist/Hand | 395.Blister - Noninfected |
| 370.Open Wound/Laceration - Fingers/Thumb | 396.Blister/Noninfected - Face/Scalp |
| 371.Open Wound/Laceration - Buttock | 397.Blister/Noninfected - Neck/Back/Trunk |
| 372.Open Wound/Laceration - Genital Organs | 398.Blister/Noninfected - Shoulder/Upper Arm |
| 373.Open Wound/Laceration - Hip/Thigh | 399.Blister/Noninfected - Wrist/Hand/Fingers |
| 374.Open Wound/Laceration - Knee/Lower Leg | 400.Blister/Noninfected - Hip/Pelvis/Thigh |
| 375.Open Wound/Laceration - Ankle/Foot | 401.Blister/Noninfected - Knee/Lower Leg |
| 376.Open Wound/Laceration - Toes | 402.Blister/Noninfected - Ankle/Foot/Toes |
| 377.Abrasion - Noninfected | 403.Blister - Infected |
| 378.Abrasion/Noninfected - Face/Scalp | 404.Blister/Infected - Face/Scalp |
| 379.Abrasion/Noninfected - Neck/Back/Trunk | 405.Blister/Infected - Neck/Back/Trunk |
| 380.Abrasion/Noninfected - Shoulder/Upper Arm | 406.Blister/Infected - Shoulder/Upper Arm |

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| 407.Blister/Infected - Elbow/Forearm | 433.Contusion - Eye/Black Eye |
| 408.Blister/Infected - Wrist/Hand/Fingers | 434.Contusion - Face/Scalp |
| 409.Blister/Infected - Hip/Pelvis/Thigh | 435.Contusion - Neck/Back/Trunk |
| 410.Blister/Infected - Knee/Lower Leg | 436.Contusion - Shoulder/Upper Arm |
| 411.Blister/Infected - Ankle/Foot/Toes | 437.Contusion - Elbow/Forearm/Fingers |
| 412.Superficial Foreign Body/Noninfected | 438.Contusion - Wrist/Hand |
| 413.Foreign Body/Noninfected - Face/Scalp | 439.Contusion - Hip/Pelvis/Thigh |
| 414.Foreign Body/Noninfected - Neck/Back/Trunk | 440.Contusion - Knee/Lower Leg |
| 415.Foreign Body/Noninfected - Shoulder/Upper A | 441.Contusion - Ankle/Foot |
| 416.Foreign Body/Noninfected - Elbow/Forearm | 442.Crushing Injury |
| 417.Foreign Body/Noninfected - Wrist/Hand/Finge | 443.Crushing Injury - Face/Scalp |
| 418.Foreign Body/Noninfected - Hip/Pelvis/Thigh | 444.Crushing Injury - Back/Neck/Trunk |
| 419.Foreign Body/Noninfected - Knee/Lower Leg | 445.Crushing Injury - Shoulder/Upper Arm |
| 420.Foreign Body/Noninfected - Ankle/Foot/Toes | 446.Crushing Injury - Elbow/Forearm |
| 421.Insect Bites | 447.Crushing Injury - Wrist/Hand/Fingers |
| 422.Insect Bites - Face/Scalp | 448.Crushing Injury - Hip/Pelvis/Thigh |
| 423.Insect Bites - Neck/Back/Trunk | 449.Crushing Injury - Knee/Lower Leg |
| 424.Insect Bites - Shoulder/Upper Arm | 450.Crushing Injury - Ankle/Foot/Toes |
| 425.Insect Bites - Elbow/Forearm | 451.Burn |
| 426.Insect Bites - Wrist/Hand/Fingers | 452.Burn - Face/Scalp |
| 427.Insect Bites - Hip/Pelvis/Thigh | 453.Burn - Back/Neck/Trunk |
| 428.Insect Bites - Knee/Lower Leg | 454.Burn - Upper Limb |
| 429.Insect Bites - Ankle/Foot/Toes | 455.Burn - Wrist/Hand/Fingers |
| 430.Abrasions - Cornea | 456.Burn - Lower Limb |
| 431.Abrasion/Superficial Laceration - Cornea | 457.Injury - Internal |
| 432.Contusion | 458.Trauma - Head |

459.Concussion	485.Medial Meniscus
460.Laceration/Contusion - Cerebrum	486.Lateral Meniscus
461.Intracranial Hemorrhage	487.Other
462.Injury - Internal	488.Injury - Face/Neck
463.Internal Injury - Heart/Lungs	489.Injury - Trunk
464.Internal Injury - Gastrointestinal Tract	490.Injury - Shoulder/Upper Arm
465.Internal Injury - Liver	491.Injury - Elbow/Forearm
466.Internal Injury - Spleen	492.Injury - Wrist/Hand
467.Internal Injury - Kidney	493.Injury - Hip/Pelvis/Thigh
468.Internal Injury - Pelvic Organs	494.Injury - Knee/Lower Leg
469.Internal Injury - Other Intrathoracic Organ	495.Injury - Ankle Foot
470.Internal Injury - Other Intraabdominal	496.Injury - Cranial Nerves
471.Foreign Body	497.Injury - Spinal Cord
472.Foreign Body - Eye	498.Adverse Effects - Other
473.Foreign Body - Ear	499.Skin Disease - Infectious
474.Foreign Body - Nose	500.Cellulitis
475.Foreign Body - Pharynx/Larynx	501.Cellulitis - Face
476.Foreign Body - Trachea/Bronchus/Lung	502.Cellulitis - Neck
477.Foreign Body - Mouth/Esophagus/Stomach	503.Cellulitis - Trunk
478.Foreign Body - Intestine/Colon	504.Cellulitis - Upper Arm/Forearm
479.Foreign Body - Anus/Rectum	505.Cellulitis - Hand
480.Foreign Body - Digestive System	506.Cellulitis - Buttock/Groin
481.Foreign Body - Genitourinary Tract	507.Cellulitis - Leg
482.Injury - Other	508.Cellulitis - Foot
483.Injury - Brachial Plexus	509.Warts/Lesions
484.Injury - Knee	510.Molluscum Contagiosum

511.Common Wart (Verruca vulgaris)	537.Folliculitis
512.Plantar Wart (Verruca plantaris)	538.Hair/Hair Follicles - Other
513.Other	539.Sebaceous Glands
514.Pyoderma/Abscess/Carbuncle/Furuncle	540.Acne
515.Onychia/Paronychia/Infection - Finger	541.Cyst - Sebaceous
516.Onychia/Paronychia/Infection - Toe	542.Sebaceous Glands - Other
517.Gangrene	543.Urticaria
518.Necrotizing Fasciitis	544.Other
519.Impetigo	545.Cyst - Pilonidal
520.Local Infection/Lesion - Skin	546.Corn/Callus
521.Skin Disease - Other	547.Keloid
522.Dermatitis/Dermatosis	548.Foreign Body Granuloma - Skin
523.Dermatitis Due To Plants/Incl Poison Ivy	549.Skin - Other
524.Dermatitis - Other	550.Respiratory System Disease - Infectious
525.Dermatitis - Unspec	551.Sinusitis
526.Bullous Dermatoses/Incl Pemphigus Pemphigoi	552.Sinusitis/Acute
527.Heat Rash	553.Sinusitis/Chronic
528.Sunburn	554.Allergic Rhinitis
529.Psoriasis	555.Upper Respiratory Infection
530.Pruritis	556.Common Cold/Acute Nasopharyngitis
531.Pruritis/Related Conditions	557.Pharyngitis/Sore Throat/Excl Strep Throat
532.Nails	558.Strep Throat
533.Ingrown Toenail	559.Upper Respiratory Infection - Other
534.Disease Of Nail - Other	560.Tonsillitis
535.Hair/Hair Follicles	561.Peritonsillar Abscess
536.Alopecia/Baldness	562.Pneumonia - Bacterial

563.Pneumonia/Pneumococcal	589.Genitourinary System Disease - Infectious
564.Pneumonia/HN Influenza	590.Urinary Tract
565.Pneumonia/Streptococcal	591.Pyelonephritis
566.Pneumonia/Staphylococcal	592.Cystitis
567.Pneumonia/Bacterial - Other	593.Urethritis/Excl Sexually Transmitted
568.Pneumonia - Viral	594.Prostatitis
569.Pneumonia/Mycoplasma	595.Epididymitis
570.Pneumonia/Viral - Other	596.Inflammation - Female Pelvic Organs
571.Bronchitis	597.Vaginitis/Cervicitis
572.Influenza	598.Genitourinary System Disease - Other
573.Uncertain	599.Urinary Tract
574.Pneumonia - Unspecified	600.Renal Failure
575.Respiratory System - Other	601.Disorder of Kidney/Ureter - Other
576.Structural Deformity	602.Hematuria/Benign/Essential
577.Deviated Nasal Septum	603.Dysuria
578.Polyps - Nasal	604.Proteinuria
579.Epistaxis/Nose Bleed	605.Abnormal Urine Findings
580.Asthma	606.Disorder Bladder - Other
581.Pneumonitis	607.Disorder Urethra/Urinary Tract - Other
582.Respiratory Condition/External/Occupational	608.Impotence - Organic
583.Respiratory - Disease/Symptoms/Other	609.Testicular Torsion
584.Stridor	610.Infertility
585.Cough	611.Priapism
586.Hemoptysis	612.Disorder/Symptoms - Male Genitalia/Other
587.Pain/Respiration	613.Endometriosis
588.Respiratory - Other	614.Cyst - Ovarian

615.Dysmenorrhea	641.Headache -other
616.Premenstrual Syndrome	642.Vertigo/Central
617.Amenorrhea	643.Vertigo/Unspec
618.Pregnancy	644.Brain/Nervous System - Other
619.Pregnancy/Ectopic - Unspec	645.Eye
620.Disorder/Symptom - Female Genitalia/Other	646.Cataract
621.Other	647.Visual Disturbance/Color/Glare/Night/Snow
622.Disorder - Breast/Incl Gynecomastia	648.Visual Impairment/Incl Myopia
623.Nervous System/Sense Organs - Infectious	649.Ulcer - Cornea
624.Central Nervous System	650.Eye - Other
625.Bacterial Meningitis	651.Ear
626.Viral Meningitis	652.Impaction - Ear
627.Meningitis - Unspecified	653.Hearing Loss/Conductive
628.Encephalitis - Unspecified	654.Hearing Loss/Sensorineural
629.Eye	655.Menieres Disease
630.Viral Conjunctivitis/Serous	656.Labyrinthitis
631.Bacterial Conjunctivitis/Mucopurulent	657.Dysfunction Eustachian Tube Excl/Barotrauma
632.Conjunctivitis - Unspec	658.Perforation - Tympanic Membrane/Excl Diving
633.Ear	659.Tinnitus/Unspec
634.Otitis Media/Nonsuppurative	660.Ear - Other
635.Otitis Media/Suppurative	661.Neuropathy/Neuritis
636.Otitis Externa/Excl Fungal	662.Bell's Palsy
637.Otitis Externa/Fungal	663.Carpal Tunnel Syndrome/Median Nerve Entrapm
638.Nervous System/Sense Organs - Other	664.Cubital Tunnel Syndrome/Ulnar Neuropathy
639.Central Nervous System	665.Mononeuritis - Upper Limb
640.Headache/Migraine	

666.Nerve - Lateral Femor Cutaneous	692.Oral
667.Tarsal Tunnel Syndrome	693.Tmj Disorders
668.MortonGs Neuroma/Plantar Nerve Lesion	694.Canker Sore/Apthae
669.Mononeuritis - Lower Limb	695.Ulcer
670.Metatarsalgia	696.Ulcer - Gastric
671.Digestive System - Infectious	697.Ulcer - Duodenal
672.Bacterial	698.Ulcer - Peptic Disease
673.Salmonella/Gastroenteritis	699.Inflammatory
674.Shigellosis/Bacillary Dysentary	700.Esophagitis
675.Cholera	701.Gastritis
676.Bacterial Enteritis - Other	702.Appendicitis
677.Viral	703.Hepatitis/Unspec
678.Viral Enteritis	704.Gastroenteritis/Colitis - Noninfectious
679Protozoal	705.Abscess - Anal
680.Giardiasis	706.Hemorrhoids
681.Amebic Dysentary	707.Hernia
682.Protozoal Intestinal Disease - Other	708.Hernia - Inguinal
683.Food Poisoning	709.Hernia - Abdominal/Other
684.Food Poisoning/Staphylococcal	710.Constitutional
685.Food Poisoning/C. botulinum	711.Indigestion
686.Food Poisoning/Bacterial - Other	712.Nausea/Vomiting
687.Food Poisoning/Unspec	713.Heartburn
688.Intestinal Infection - Other	714.Flatulence/Belching/Gas Pain
689.Enteritis/Colitis/Gastroent - Presumed Infe	715.Obstruction - Intestinal
690.Enteritis/Colitis/Gastroent - Infect/Other	716 CONSTIPATION
691.Digestive System - Other	717.Diarrhea/Functional

718.Other	744.Rubella
719.Blood/Stool	745.Rabies
720.Pain - Abdomen	746.Mumps
721.Swelling/Mass/Lump - Abdomen	747.Mononucleosis
722.Hepatomegally	748.Mononucleosis/Infectious
723.Splenomegally	749.Other
724.Ascites	750.Coxsackie Virus
725.Disease - Gallbladder/Incl Cholecystitis	751.Viral Disease - Other
726.Disease - Pancreas	752.Infectious - Bacterial Disease
727.Disease - Liver	753.Zoonotic Bacterial Disease
728.Intestinal Disease - Other	754.Plague
729.Infectious - Viral Disease	755.Tularemia
730.Hepatitis	756.Anthrax
731.Viral Hepatitis A	757.Brucellosis
732.Viral Hepatitis B	758.Melioidosis
733.Viral Hepatitis - Other	759.Rat Bite Fever
734.Arthropod Borne	760.Zoonotic Bacterial Disease - Other
735.Yellow Fever	761.Salmonella
736.Dengue	762.Salmonella/Infection/Other
737.Hemorrhagic Fever/Arthropod Borne	763.Typhoid
738.Arthropod Borne - Other	764.Leprosy
739.Herpes	765.Diphtheria
740.Herpes Zoster	766.Meningococcal Infection
741.Herpes Simplex/Excl Genital	767.Tetanus
742.Chicken Pox/Varicella	768.Septicemia
743.Measles	769.Bacterial - Other

770.Streptococcus	796.Rickettsioses - Tick Borne
771.Pneumococcus	797.Rickettsioses - Other
772.EN Coli	798.Malaria
773.HN Infuenza	799.Malaria/Falciparum
774.Bacterial Disease/Infection - Other	800.Malaria/Vivax
775.Infectious - Fungal Disease	801.Malaria/Ovale
776.Tinea	802.Malaria Other/Unspecified
777.Tinea - Scalp/Beard/Pseudo FN Barbae	803.Other Protozoal Disease
778.Tinea - Cruris/Jock Itch	804.Amebiasis/Unspec
779.Tinea - Pedis/Athletes Feet	805.Toxoplasmosis
780.Tinea - Other	806.Leishmaniasis
781.Candidiasis	807.Trypanosomiasis
782.Pityriasis Versicolor	808.Chlamydial Disease
783.Coccidioidomycosis	809.Trachoma
784.Histoplasmosis	810.Reiters Disease
785.Blastomycoses	811.Chlamydial Disease - Other
786.Actimomycoses	812.Spirochete Disease
787.Other	813.Relapsing Fever
788.Mycoses - Other	814.Leptospirosis
789.Infectious - Other	815.Spirochete Infection - Other
790.Mycobacterial Disease	816.Ectoparasites
791.Primary Tuberculosis Infection	817.Pediculus Capitus/Head Lice
792.Ppd Converter	818.Pediculus Corporis/Body Lice
793.Rickettsial Disease	819.Pediculus Pubis/Pubic Louse/Crabs
794.Typhus - Louse Borne	820.Scabies
795.Typhus - Other	821.Infestation - Other

822.Worm Caused Disease	848.Examination/Lab
823.Helminthiasis - Intestinal	849.Examination - Physical
824.Infectious/Parasitic - Other	850.Examination - Hearing
825.Sexually Transmitted Disease	851.Examination - Eye
826.Trichomonal	852.Examination - Gynecological
827.Trichomonal Vulvovaginitis	853.Examination - Radiological
828.Trichomonal Urethritis	854.Examination - Laboratory
829.Trichomonial Prostatitis	855.Diagnostic Skin Testing
830.Chlamydial	856.Suspected Pregnancy
831.Lymphogramuloma Venereum	857.Examination - Other
832.Granuloma Inguinale	858.Consultation
833.Chlamydial Venereal - Other	859.Vaccination
834.Herpes	860.Contraception
835.Herpes - Genital	861.Prescription
836.Syphilis	862.Prophylactic Chemotherapy
837.Syphilis/Incl Positive Serology	863.Prescription Refill
838.Gonorrhea	864.Status - Post Surgical Procedure
839.Chancroid	865.Status - Post Surgical Procedure
840.Nongonococcal Urethritis	866.Exposure - Communicable Disease
841.Genital Warts	867.Contact/Exposure - Communicable Disease
842.Condyloma Acuminatum	868.Carrier/Susp Carrier - Infect/Excl Ppd Conv
843.Papilloma Venerum	869.Complication - Surgical Procedure
844.Condyloma Latum/Secondary Syphilis	870.Occupational Problem
845.Other	871.Occupational Circumstance/Maladjust/Other
846.Venereal Disease - Other	872.Legal Problem
847.Administrative/General	873.Other

874.Administrative Purpose - Other	900.Affective Disorder
875.Administrative Purpose - Unspec	901.Affective Disorders/Incl Depression
876.Neoplasm	902.Psychosis
877.Malignancy	903.Schizophrenia
878.Malignant Melanoma - Skin	904.Neurosis
879.Malignant Neoplasm - Skin/Other/Incl Basal	905.Neurotic Disorders/Incl Anxiety
880.Malignant Neoplasm - Testis	906.Personality Disorder
881.Malignant Neoplasm - Other	907.Sexual Deviation
882.Other Tumor/Lesion	908.Sexual Deviations/Disorder
883.Tumor/Lesion - Bone/Soft Tissue/Skin	909.Impotence/Psychogenic
884.Tumor/Lesion - Other	910.Alcohol Related
885.Leukoplakia - Mouth	911.Alcohol Dependence Syndrome
886.Lump/Mass - Breast	912.Alcohol Abuse
887.Actinic Kerotosis	913.Alcohol Psychosis
888.Endocrine/Nutrition/Metabolic Disease	914.Drug Related
889.Endocrine Disease	915.Drug Dependence
890.Thyroid Disorders	916.Drug Abuse
891.Endocrine - Other	917.Drug Psychosis
892.Nutrition/Metabolic Disease	918.Interpersonal Problem
893.Nutritional Disease/Disorder	919.Marital Problems
894.Obesity	920.Parent/Child Problems
895.Metabolic Disease/Disorder	921.Health Problems/Family
896.Blood Disease	922.Illegitimacy/Illegitimate Pregnancy
897.Sickle Cell Trait	923.Adverse Effects/Work Environment
898.Anemia	924.Interpersonal Problems/Unclass
899.Mental Disorder	925.Stress Related

926.Acute Reaction - Stress	952.Circulatory System - Other
927.Adjustment Reaction	953.Congenital Anomaly
928.Physiological Reaction	954.Patella Alta
929.Phase Shift/2Thr Cycle/Jet Lag/Time Zone	955.Hypospadias/Epispadias
930.Sleepwalking	956.Scoliosis
931.Headache - Tension	957.Pes Planus/Flat Foot
932.Psychological/Physical Stress - Other	958.Pes Cavus/Rigid Foot/High Arch
933.Suicide	959.Spondylolysis
934.Suicide - Gesture/Ideation	960.Spondylolisthesis
935.Suicide - Attempt	961.Spina Bifida Occulta
936.Suicide - Completion	962.Kyphosis
937.Circulatory System Disease	963.Symptom/Sign/Ill-Defined Condition
938.Cardiac	964.Cardiac
939.Cardiac Murmur/Functional	965.Chest Pain/Precordial
940.Cardiac Murmur/Undiagnosed	966.Chest Pain/Unspec
941.Abnormal Heart Sounds - Other	967.Respiratory
942.Cardiac Conduction Disorder	968.Hyperventilation
943.Cardiac Dysrhythmias	969.Neurologic
944.Palpitations	970.Alteration Of Consciousness
945.Cardiac Arrest	971.Sleep Disturbance
946.Cardogenic Shock	972.Transient Paralysis - Limb
947.Heart - Other	973.Meningismus
948.Circulatory System	974.Tetany
949.Atherosclerosis	975.Dizziness
950.RaynaudGs Syndrome	976.Immunologic
951.Thrombophlebitis	977.Fever/Unknown Origin

- 978.Lymphadenopathy
- 979.Allergic
- 980.Anaphylactic Shock
- 981.Angioneurotic Edema
- 982.Allergy - Unspec/Incl Immune Reaction
- 983.Other
- 984.Shock/Incl Hypovolemic/Septic
- 985.Abnormal Blood
- 986.Chemistry