

- Register for the Epi-tech Trainings:
 - Log-on or Request log-on ID/password:
<https://tiny.army.mil/r/zB8A/CME>
 - Register for Epi-Tech Surveillance Training:
<https://tiny.army.mil/r/7laAB/EpiTechFY16>
- Please enter your name/service and e-mail into the chat box to the left or email the disease epidemiology program at:
usarmy.apg.medcom-aphc.mbx.disease-epidemiologyprogram13@mail.mil
- You will receive a confirmation email within 1 week with your attendance record.
- Please mute your phones and DO NOT place us on hold. Press *6 to mute/unmute your phone.

Case Finding for Reportable Medical Events

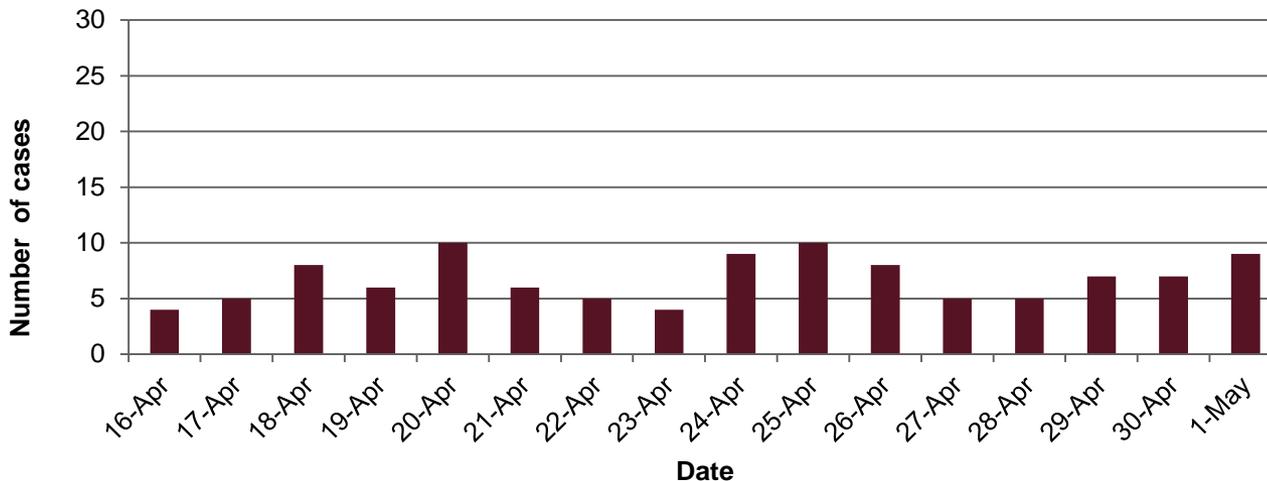
Kelly Gibson, MPH
ORISE Epidemiologist
Army Public Health Center

- Identify ways, methods and resources to find potential reportable events
- Understand how to implement case finding processes and methods
- Describe strengths and limitations to case finding methods

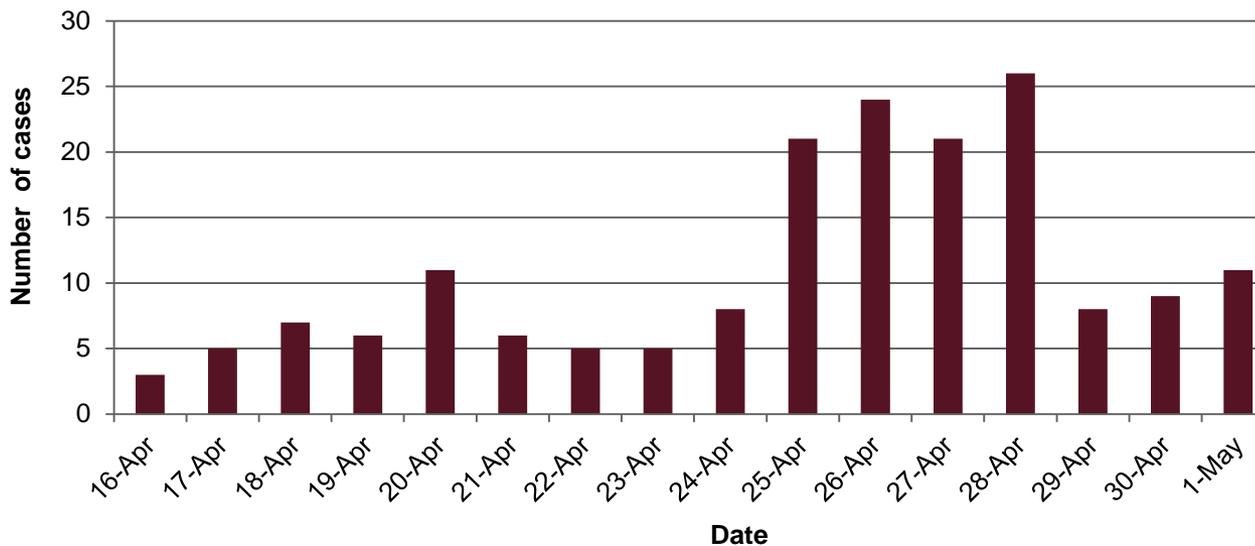
- Case finding – The strategy of surveying a population to find the sick persons that are the foci of infection; an essential early step in the eradication of any disease
- Case finding is the active surveillance; however, it can also be used in the context of improving passive surveillance systems
- When performing case finding, it is important to cast a wide net because there are more cases that have yet to be identified
- Goal is to determine the true size and geographic extent of the problem

- Usually more cases than are being reported; the limitation to passive surveillance systems (i.e., DRSi) are that diseases are often underreported
- Identifies exposure risk—assists investigator in acquiring information from an appropriate representative sample
- Refines the case definition as more information is gathered
- Fully defines the exposed population for purposes of developing control measures
- Reported cases may not be representative of all cases (Example)

Number of cases you think you have



Number of cases you **ACTUALLY** have



[Return](#)

- Limitations of reporting
 - Many providers, high turnover, constant need for education
 - Providers may not be aware that condition is reportable
 - Army MTFs can request a copy of RME posters by contacting APHC
 - Navy MTFs can request posters/brochures from their NEPMUs
 - AF MTFs can download a list of RMEs from USAFSAM/PHR webpage at <https://gumbo2.area52.afnoapps.usaf.mil/epi-consult/reportableevents/> under General Information
- A significant amount of cases can be missed if additional activities are NOT employed
 - No awareness= no follow-up, no contact tracing, no control measures put into place

- Active surveillance (ex. Case Finding for RMEs)
 - Regularly contacting health care providers to seek information about health conditions
- Passive surveillance (ex. DRSi)
 - A system by which a health jurisdiction receives reports submitted from hospitals, clinics, public health units or other sources
 - Relatively inexpensive strategy to cover large areas and provides critical information for monitoring a community's health

- What is a case definition and what do they do?
 - A case definition is the method by which public health professionals define who is included as a case in the surveillance of public health conditions (i.e. reportable medical events) or in an outbreak investigation
 - Case definitions help decide whether an individual should be classified as ill or non-ill in respect to the RME or outbreak by setting objective criteria
 - In addition, case definitions help determine outbreak associated cases vs. normal background cases

- How is a case definition developed?
 - A case definition has the following characteristics: **person**, **place**, and **time**.
 - **Person** criteria may include age, gender, ethnicity, clinical characteristics, and laboratory tests
 - **Place** criteria will usually include a geographical entity such as a town, state, or country but may be as small as an institution, a school class, a military unit, or a barrack
 - **Time** criteria may include all cases of a disease identified from, January 1, 2016 to March 1, 2016 (note: case definitions for passive surveillance may lack time criteria)

- When identifying cases, you should use as many sources as you can:
 - Health care facilities
 - Physicians' offices, clinics, hospitals, and laboratories
 - Reports of disease to Public Health Services or PM Departments (passive surveillance)
 - Call or visit locations (active surveillance)
 - Local public health resources such as the health department
 - Tech tools (AHLTA/CHCS/ESSENCE/DRSi/DigitalReports)
 - Public Health officials may decided to alert the public directly, usually through the local media during outbreaks

- Laboratory reports are entered in the system and appear in this module
 - They are currently not entered as MERS in the DRSi system
- On the first tab, select 'Review Case-Findings by Reporting Unit'



Welcome:

Instructions: To perform a MER Recorder task, click on the appropriate task link presented below.



Medical Event Reports Patient Management Summary Reports

- ➔ [Enter/Edit Medical Event Report\(s\) by SSN](#)
Review, edit, and report new Medical Event Report(s) for a patient (sponsors and associated FMPs).
- ➔ [Enter/Edit Medical Event Report\(s\) by Reporting Unit](#)
Review and edit Medical Event Report(s) based on associated Reporting Units.
- ➔ [Enter/Edit Outbreak Report\(s\)](#)
Review, edit, and report new Outbreak Report(s).
- ➔ [Enter/Edit VAERS Case\(s\)](#)
Enter, edit, and report new Vaccine Adverse Event Report(s) (VAERS).
- ➔ [Review Deleted Medical Event Report\(s\)](#)
Review Medical Event Reports that have been flagged for removal or deletion, also restore these records back into DRSi.
- ➔ [Review Case-Findings by Reporting Unit](#)
Analyze available Case-Finding data and report new Medical Event Report as necessary.
- ➔ [Manage STI Case\(s\)](#)
Review reported incidents of sexual transmitted infections.
- ➔ [Manage Printing Health Department Forms](#)
Print MERs into a pre-defined format for easy submission to the local health department. Also track MERs that have been printed and have not yet been printed.

- Select the Time Period, Case Status and Reporting Unit
- Click ‘Get Case-Findings’

[Help](#) [About](#)

ADRSi :: Case Finding Module

Welcome:

Instructions: Below is a list of potential Medical Events that may be reportable in your AOR over the past 14 days. This list can be used as a guide to assist in local case finding and response efforts, but is not meant to replace these activities.

Please only show me records from the past days (30 days maximum).

Show me: ▼

Show me records for the following Reporting Unit(s):

▼

List of Potentially Reportable Medical Event(s): X

Sponsor SSN	FMP	Potential Diagnosis ▼	Date of Event A ↓ Z ↓	MTF ▼	Classification ▼	Classification Criteria	Create MER?	Delete Case?
No cases have been entered for specified criteria. Please try changing your criteria.								

- Click 'Create MER' if the case needs to be entered in the system.
- If the case is not an actual case, click 'Delete Case'

Welcome:

Instructions: Below is a list of potential Medical Events that may be reportable in your AOR over the past 14 days. This list can be used as a guide to assist in local case finding and response efforts, but is not meant to replace these activities.

Please only show me records from the past days (30 days maximum).

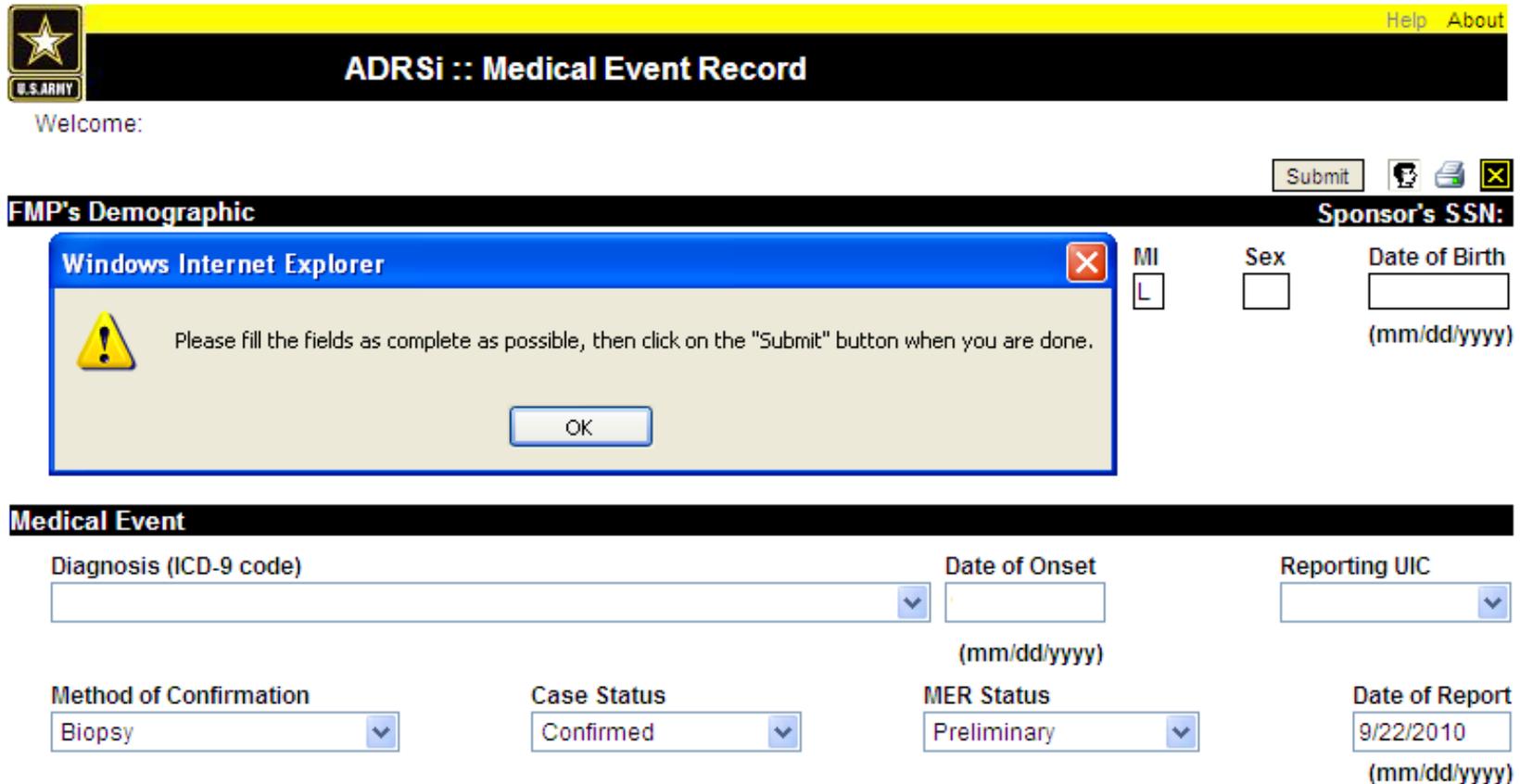
Show me: * View All ▼

Show me records for the following Reporting Unit(s):

List of Potentially Reportable Medical Event(s): ✕

Sponsor SSN	FMP	Potential Diagnosis ▼	Date of Event Z ↓ A ↑	MTF ▼	Classification ▼	Classification Criteria	Create MER?	Delete Case?
		Chlamydia			Positive	disease specific laboratory positive culture, rapid antigen, or nucleic acid test in a genital specimen		<input type="checkbox"/>
		Salmonellosis			Positive	positive culture excluding Salmonella typhi and Salmonella paratyphi results		<input type="checkbox"/>
		Lyme Disease			Suspect	disease specific positive lab test		<input type="checkbox"/>
		Syphilis			Suspect	a positive confirmatory treponemal test		<input type="checkbox"/>

- If you click 'Create MER,' the MER entry screen will appear.
- Enter the case in the same way you would any other MER.



The screenshot shows the ADRSi Medical Event Record interface. At the top, there is a yellow header with 'Help About' and a U.S. Army logo. Below this is a black header with 'ADRSi :: Medical Event Record'. A 'Welcome:' message is visible. On the right, there are 'Submit', 'Print', and 'Close' buttons. The main form area is titled 'FMP's Demographic' and includes a 'Sponsor's SSN:' field. A 'Windows Internet Explorer' dialog box is overlaid on the form, displaying a warning icon and the text: 'Please fill the fields as complete as possible, then click on the "Submit" button when you are done.' Below the dialog is an 'OK' button. The form fields include: 'MI' (dropdown with 'L'), 'Sex' (checkbox), 'Date of Birth' (text input with '(mm/dd/yyyy)' label), 'Diagnosis (ICD-9 code)' (dropdown), 'Date of Onset' (text input with '(mm/dd/yyyy)' label), 'Reporting UIC' (dropdown), 'Method of Confirmation' (dropdown with 'Biopsy'), 'Case Status' (dropdown with 'Confirmed'), 'MER Status' (dropdown with 'Preliminary'), and 'Date of Report' (text input with '9/22/2010' and '(mm/dd/yyyy)' label).

- If prompted, you may need to register the sponsor prior to entering the case.
- Complete the Sponsor Profile Page, and click 'Submit'


Cancel Help About

ADRSi :: Sponsor Profile Page

Welcome:

To update a Sponsor's profile, change any of the Sponsor's information. Click 'Submit' to save the Sponsor's profile in the NDRSi database.

Instructions: Click the close icon to return to the previous page.

[Manage FMP\(s\)](#)

Please make sure all of the required fields are filled correctly.

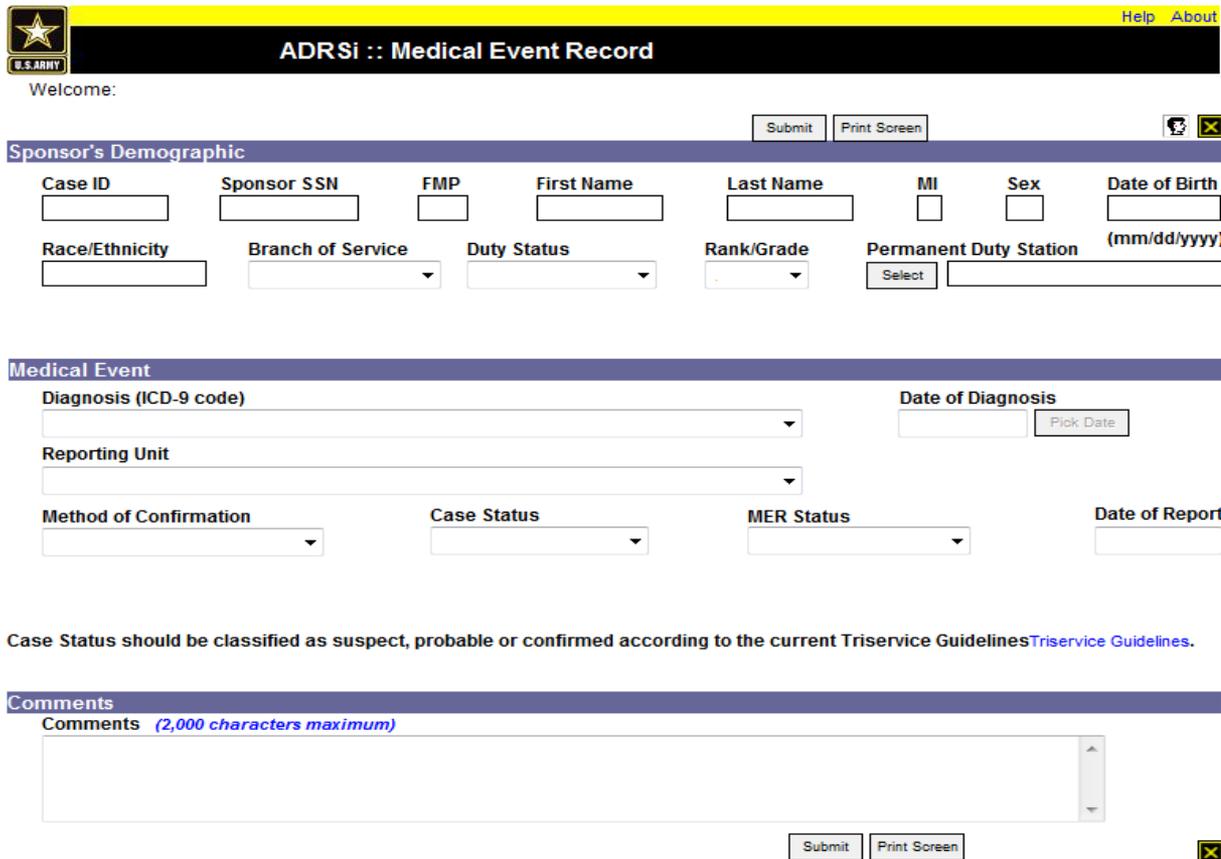
Sponsor Profile

This following demographic information is for the Sponsor. To manage Dependent accounts click: [Manage FMP\(s\)](#) [Submit](#) [Close](#)

<p>SSN: <input type="text"/></p> <p>Last Name: <input type="text"/> **</p> <p>First Name: <input type="text"/> **</p> <p>MI: <input type="text"/></p> <p>Race: <input type="text" value="Unknown"/> ▼</p> <p>Gender: <input type="radio"/> Male <input type="radio"/> Female</p> <p>Rank: <input type="text"/> ▼</p> <p>DOB (mm/dd/yyyy): <input type="text"/></p> <p>Duty Status: <input type="text"/> ▼</p> <p>Duty Station: <input type="text"/></p> <p style="text-align: center;">Select Duty Station</p>	<p>Service Branch: <input type="text" value="Army"/> ▼</p> <p>Email: <input type="text"/></p> <p>Phone: <input type="text"/></p> <p>Address: <input type="text"/></p> <p><input type="text"/></p> <p>City: <input type="text"/></p> <p>State/Province: <input type="text"/></p> <p>Zip/Postal Code: <input type="text"/></p> <p>Country: <input type="text"/></p> <p style="color: red;">(*) Required for registration</p> <p style="color: blue;">(**) Required for MERCase</p>
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A Medical Event Report requires that basic demographic information be completed. This Sponsor is missing required demographic information. Please complete the required fields, marked with a red asterisk, and click 'Submit.' After which you will be redirected back to the Medical Event Report.

- Once all information is entered, click 'Submit'
- The message "Medical Event successfully saved" will appear.



U.S. ARMY **ADRSi :: Medical Event Record** Help About

Welcome:

Submit Print Screen

Sponsor's Demographic

Case ID Sponsor SSN FMP First Name Last Name MI Sex Date of Birth

Race/Ethnicity Branch of Service Duty Status Rank/Grade Permanent Duty Station (mm/dd/yyyy)

Medical Event

Diagnosis (ICD-9 code) Date of Diagnosis Pick Date

Reporting Unit

Method of Confirmation Case Status MER Status Date of Report

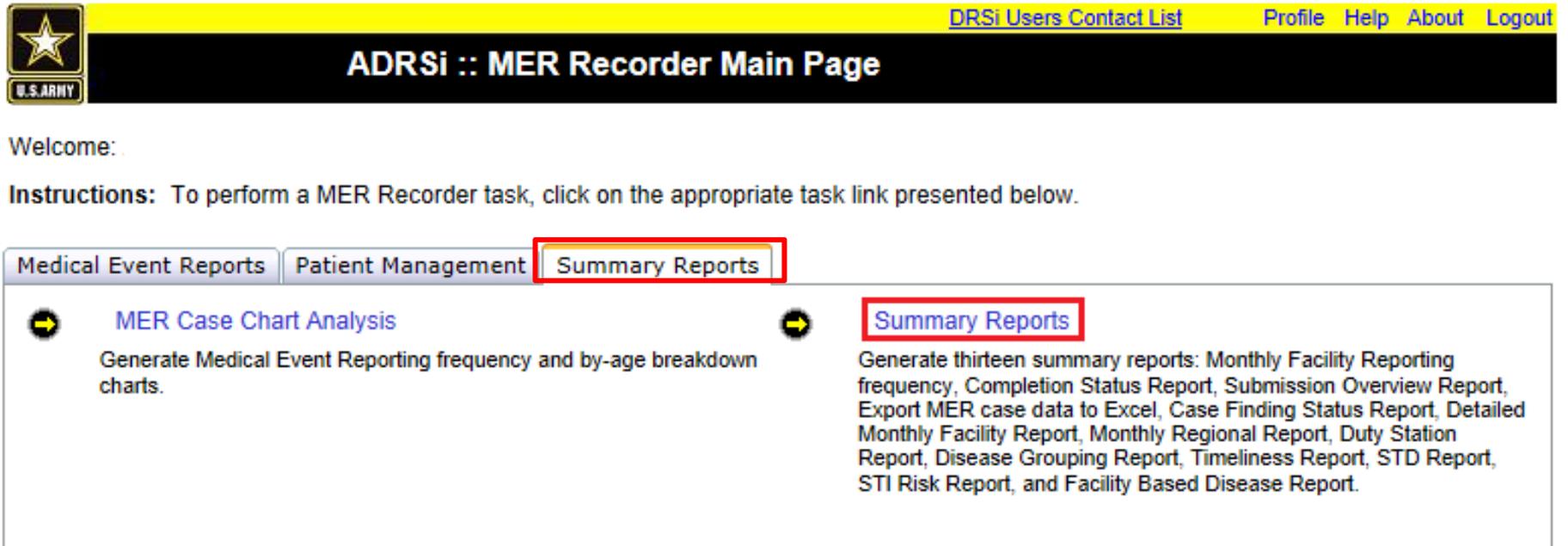
Comments (2,000 characters maximum)

Submit Print Screen



Case Status should be classified as suspect, probable or confirmed according to the current [Triservice Guidelines](#)[Triservice Guidelines](#).

- Additionally you can see the status of all Case Finding records from your facility.
- To do this, click on 'Summary Reports' of the Summary Reports tab.



 [DRSi Users Contact List](#) [Profile](#) [Help](#) [About](#) [Logout](#)

ADRSi :: MER Recorder Main Page

Welcome:

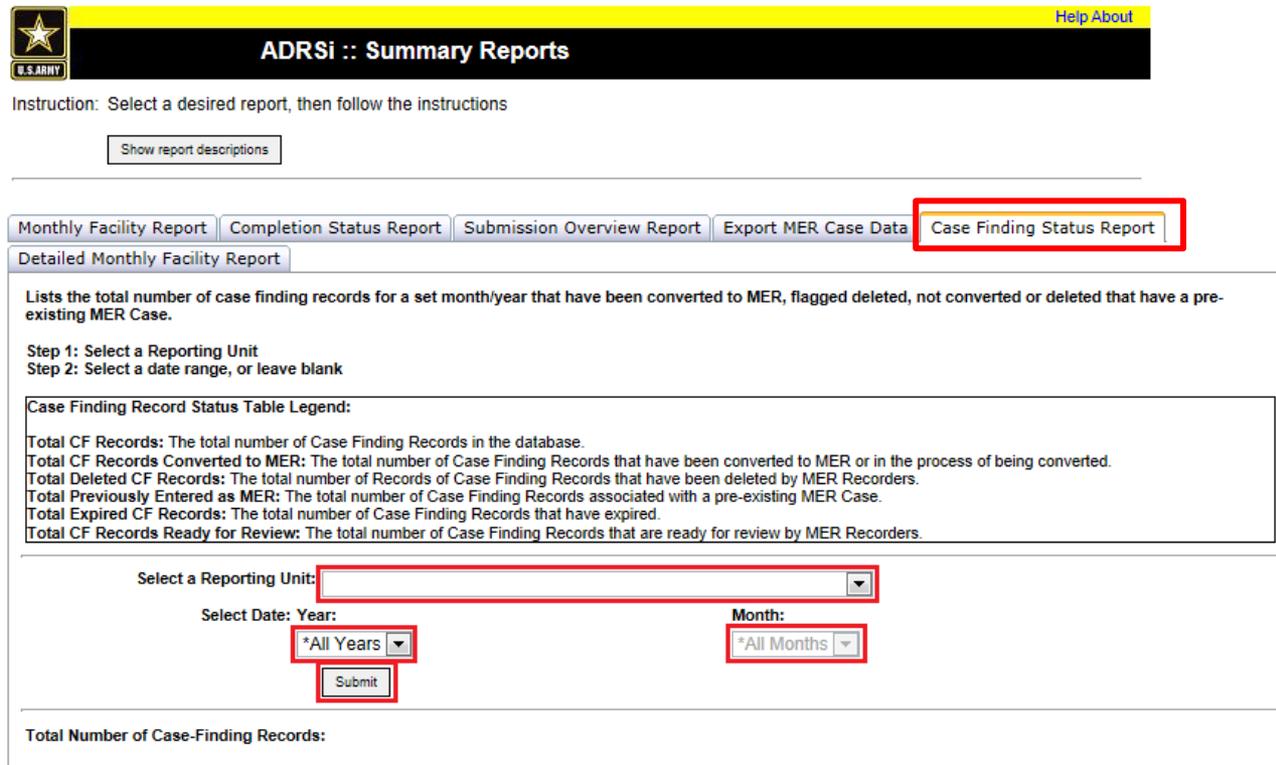
Instructions: To perform a MER Recorder task, click on the appropriate task link presented below.

[Medical Event Reports](#) [Patient Management](#) **[Summary Reports](#)**

 [MER Case Chart Analysis](#)
Generate Medical Event Reporting frequency and by-age breakdown charts.

 **[Summary Reports](#)**
Generate thirteen summary reports: Monthly Facility Reporting frequency, Completion Status Report, Submission Overview Report, Export MER case data to Excel, Case Finding Status Report, Detailed Monthly Facility Report, Monthly Regional Report, Duty Station Report, Disease Grouping Report, Timeliness Report, STD Report, STI Risk Report, and Facility Based Disease Report.

- Select the Case Finding Status report, and select the Reporting Unit you wish to view data for.
 - Next, select the year and month you wish to view, and click ‘Submit.’



The screenshot shows the ADRSi Summary Reports interface. At the top, there is a yellow header with the U.S. Army logo and the text "ADRSi :: Summary Reports" and "Help About". Below the header, there is an instruction: "Instruction: Select a desired report, then follow the instructions". A button labeled "Show report descriptions" is visible. A navigation bar contains several report options: "Monthly Facility Report", "Completion Status Report", "Submission Overview Report", "Export MER Case Data", and "Case Finding Status Report". The "Case Finding Status Report" option is highlighted with a red box. Below the navigation bar, there is a section titled "Detailed Monthly Facility Report" which contains a description of the report and instructions for selection. A "Case Finding Record Status Table Legend" is also present. At the bottom of the form, there are input fields for "Select a Reporting Unit:", "Select Date: Year:", and "Month:". The "Year" and "Month" dropdown menus are set to "*All Years" and "*All Months" respectively, and are highlighted with red boxes. A "Submit" button is also highlighted with a red box. The "Total Number of Case-Finding Records:" label is visible at the bottom of the form.



Case Finding Status



- The number of records, how many have been turned in to a MER, number deleted, number already in DRSi, number expired and total number ready for review will generate.
 - For an excel output of this screen, click the green x.

Total Number of Case-Finding Records:



Reporting Unit	Facility Name	Year	Month	Disease Name	Public Health Classification	Classification Criteria	Total CF Records	Total CF Records Converted to MER	Total Deleted CF Records	Total Previously Entered as MER	Total Expired CF Records	Total CF Records Ready for Review
		2012	April	Malaria	Suspect	any lab result found to be negative or indeterminate						
		2012	April	Malaria	Suspect	any lab result found to be negative or indeterminate						
		2012	April	Lyme Disease	Suspect	Any positive antibody or PCR test without a Western Blot record or at least one positive Western Blot band						
		2012	April	Hepatitis A	Suspect	Positive or equivocal Hepatitis A IgM test						
		2012	April	Chlamydia	Positive	Positive lab test in a genital specimen						
		2012	April	Malaria	Suspect	any lab result found to be negative or indeterminate						

- Case finding should be conducted with all communicable diseases in that we need to determine if cases have spread beyond what is being reported.
- Case finding can be done as part of active surveillance or it can be done to improve completeness of passive surveillance systems.
- Using the case finding module within DRSi can help MTFs improve both completeness of reportable medical event reporting and timeliness of reporting.
- Improved case finding allows preventive medicine/public health personnel to determine the true size and geographic extent of the problem.

- Army: APHC – Disease Epidemiology Program
Aberdeen Proving Ground – MD
Comm: (410) 436-7605 DSN: 584-7605
usarmy.apg.medcom-aphc.mbx.disease-epidemiologyprogram13@mail.mil
- Navy: Contact your cognizant NEPMU
NEPMU2: Comm: (757) 950-6600; DSN: (312) 377-6600
usn.hampton-roads.navhospporsva.list.nepmu2norfolk-threatassess@mail.mil

NEPMU5: Comm: (619) 556-7070; DSN (312) 526-7070
usn.san-diego.navenpvntmedufive.list.nepmu5-health-surveillance@mail.mil

NEPMU6: Comm: (808) 471-0237; DSN: (315) 471-0237
usn.jbphh.navenpvntmedusixhi.list.nepmu6@mail.mil

NEPMU7: Comm (int): 011-34-956-82-2230 (local): 727-2230;
DSN: 94-314-727-2230 NEPMU7@eu.navy.mil
- Air Force: Contact your MAJCOM PH or USAFSAM/PHR
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