



Annual Dengue Fever Report REPORT DESCRIPTION

PURPOSE/DESCRIPTION:

The Annual Dengue Fever Report provides information for cases of dengue fever diagnosed during the last 10 years. This report presents the total cases of dengue fever, by calendar year and also provides detail by Service, for active component, Reserve/Guard and other beneficiaries.

FREQUENCY: The Annual Dengue Fever Report is released in April of each year.

DATA SOURCES: DMSS (Defense Medical Surveillance System) reportable events, inpatient and outpatient encounter data.

CASE DEFINITIONS & CAVEATS:

1. Case Definition: Dengue fever cases are those individuals with an ICD-9 code indicative of dengue fever in any diagnostic position. Case definition includes 1 inpatient encounter, 1 reportable event, or 2 outpatient visits irrespective of data source.
2. Inclusion Criteria: Based on the Tri-Service Reportable Event Guidelines and Case Definitions (June 2009), an ICD-9 code indicative of dengue fever includes: 061
3. Exclusion Criteria: Dengue hemorrhagic fever (ICD-9: 065.4) is excluded since this is a non-specific code for mosquito-borne encephalitis and may encompass additional diagnoses.
4. Incidence Rule: Although dengue can be acquired more than once, an individual may be counted as a case only once during a 365-day period.
5. Definitions:
 - “MHS Beneficiaries” includes dependents and retirees of the Military Health System (MHS).
 - “Unknown” cohort lacks information on FMP, service, or component; thus these individuals could not be assigned elsewhere. This cohort may include civilians, contractors, or foreign nationals, and does not factor into MHS total counts.
6. Clarifications:
 - Counts represent unique individuals from any data source.
 - Outpatient visits must be within 60 days of each other.
 - Because dengue serotypes are not delineated in the ICD-9 codes, this granularity of detail cannot be conveyed using the existing administrative data sources.



Dengue Fever in Active Component, Reserve/Guard, and Other Beneficiaries from 2002-2011



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
	Total Count										
Army	7	3	4	10	7	10	4	8	13	9	75
Active Component	6	2	3	7	6	8	4	3	8	6	53
Reserve / Guard	1	1	1	3	1	2	-	5	5	3	22
Navy	-	-	2	1	4	2	9	3	5	2	28
Active Component	-	-	2	1	4	2	9	3	5	2	28
Reserve / Guard	-	-	-	-	-	-	-	-	-	-	-
Marine Corps	-	-	-	4	1	6	1	3	5	1	21
Active Component	-	-	-	4	1	6	1	3	5	1	21
Reserve / Guard	-	-	-	-	-	-	-	-	-	-	-
Air Force	-	1	1	4	5	-	4	3	3	2	23
Active Component	-	1	1	4	5	-	3	2	3	1	20
Reserve / Guard	-	-	-	-	-	-	1	1	-	1	3
Coast Guard	1	-	2	4	-	2	-	2	10	5	26
Active Component	1	-	1	4	-	2	-	2	10	5	25
Reserve / Guard	-	-	1	-	-	-	-	-	-	-	1
MHS Overall	106	120	51	39	41	67	52	50	78	43	647
Active Component	7	3	7	20	16	18	17	13	31	15	147
Reserve / Guard	1	1	2	3	1	2	1	6	5	4	26
MHS Beneficiaries*	98	116	42	16	24	47	34	31	42	24	474
Unknown**	2	1	27	66	81	151	158	74	160	62	782

Case of dengue includes ICD-9 of 061 in any diagnostic position. Case definition includes 1 inpatient encounter, 1 reportable event, or 2 outpatient encounters. Counts represent unique individuals from any data source. Incidence rule is 365 days. Outpatient encounters must be within 60 days of each other.

*Includes Dependents, & Retirees

**No information on FMP, Service or Component, and may include civilians, contractors and foreign nationals. Does not factor into MHS total #'s

Source: Defense Medical Surveillance System (DMSS), 30APR2012

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