



## Annual Lyme Disease Report REPORT DESCRIPTION

### **PURPOSE/DESCRIPTION:**

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

**FREQUENCY:** The Annual Lyme Disease 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: Lyme disease cases are those individuals with an ICD-9 code indicative of Lyme disease 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 Lyme disease includes: 088.81.
3. Exclusion Criteria: None.
4. Incidence: A lifetime incidence rule applies and an individual may be counted as a case only once during the 10-year surveillance 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.

**Lyme Disease in Active Component, Reserve/Guard, and Other Beneficiaries from 2002-2011**

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
	Total Count										
<b>Army</b>	<b>64</b>	<b>57</b>	<b>51</b>	<b>57</b>	<b>70</b>	<b>122</b>	<b>127</b>	<b>128</b>	<b>116</b>	<b>173</b>	<b>965</b>
Active Component	45	27	36	41	45	71	78	77	71	112	603
Reserve / Guard	19	30	15	16	25	51	49	51	45	61	362
<b>Navy</b>	<b>16</b>	<b>13</b>	<b>19</b>	<b>8</b>	<b>28</b>	<b>22</b>	<b>42</b>	<b>32</b>	<b>23</b>	<b>34</b>	<b>237</b>
Active Component	15	12	16	8	28	16	36	25	21	29	206
Reserve / Guard	1	1	3	-	-	6	6	7	2	5	31
<b>Marine Corps</b>	<b>21</b>	<b>12</b>	<b>10</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>21</b>	<b>13</b>	<b>15</b>	<b>23</b>	<b>163</b>
Active Component	17	9	8	12	10	23	16	8	10	19	132
Reserve / Guard	4	3	2	-	2	1	5	5	5	4	31
<b>Air Force</b>	<b>28</b>	<b>21</b>	<b>15</b>	<b>35</b>	<b>25</b>	<b>37</b>	<b>52</b>	<b>50</b>	<b>49</b>	<b>78</b>	<b>390</b>
Active Component	19	17	13	25	19	25	34	38	37	57	284
Reserve / Guard	9	4	2	10	6	12	18	12	12	21	106
<b>Coast Guard</b>	<b>8</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>8</b>	<b>17</b>	<b>21</b>	<b>15</b>	<b>11</b>	<b>16</b>	<b>115</b>
Active Component	8	6	4	8	8	17	21	13	11	14	110
Reserve / Guard	-	1	-	-	-	-	-	2	-	2	5
<b>MHS Overall</b>	<b>742</b>	<b>638</b>	<b>527</b>	<b>475</b>	<b>470</b>	<b>640</b>	<b>893</b>	<b>805</b>	<b>696</b>	<b>867</b>	<b>6,753</b>
Active Component	104	71	77	94	110	152	185	161	150	231	1,335
Reserve / Guard	33	39	22	26	33	70	78	77	64	93	535
MHSbeneficiaries*	605	528	428	355	327	418	630	567	482	543	4,883
<b>Unknown**</b>	<b>1</b>	<b>14</b>	<b>209</b>	<b>371</b>	<b>226</b>	<b>459</b>	<b>557</b>	<b>709</b>	<b>578</b>	<b>639</b>	<b>3,763</b>

Case of Lyme Disease includes ICD-9 of 088.81 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, with a lifetime incidence rule. Outpatient encounters must be within 60 days of each other.

\*Includes MHS dependents and retirees

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

Data Source: Defense Medical Surveillance System (DMSS), as of 1 May 2012

Prepared by Armed Forces Health Surveillance Center, as of 1 May 2012