

ANNUAL SUMMARY OF NOTIFIABLE DISEASES
GUAM – 2012

THE YEAR IN REVIEW

DENGUE FEVER

Dengue fever, a perennial threat to Guam because of its presence in neighbor countries and Guam's abundant mosquito population, was diagnosed in persons who had traveled to the Philippines (3), Thailand (1), and Palau (1).

GLANDERS

The first known case of glanders (*Burkholderia mallei* infection) on Guam was detected in a 31-year-old male scuba diving instructor. The patient had suffered leg injuries on Guam but had also traveled to Bali 4 months prior to the onset of symptoms. *Thanks to Drs. Adolphson and Tochiikura and Mark Cain, R.N. of the American Medical Clinic for their report and patient history.*

MULTIPLE DRUG RESISTANT ORGANISMS

The number of different bacterial genera for which multiple drug resistance reported rose in 2012 included: *Acinetobacter* (15 reports), *Citrobacter* (1 report), *E. coli* (33 reports), *Klebsiella* (27 reports), *Proteus* (2 reports), and *Elizabethkingia* (1 report). The most common source for these isolates was patient urine.

HEPATITIS

All hepatitis cases reported during 2012 have been included if they had not been previously reported in a hepatitis registry which now includes over 3,500 cases. Many of these cases are likely of long duration but have been recorded to provide information on the ethnic groups and villages most affected – none were reported as acute or recent infections. When cases of liver cancer included in the Guam Cancer Registry were compared with patients listed in the hepatitis registry, Hepatitis C was the form of viral hepatitis most common among liver cancer cases on Guam, accounting for 63.3% of viral hepatitis-associated liver cancer cases but only 23.9% of hepatitis reports of known serotype.

TUBERCULOSIS

Although Guam's TB rate has declined for 3 consecutive years (the 2009 incidence rate was the highest it had been since 1997 when it reached 73.8/100,000 population), TB remains today the most problematic communicable disease on the island (for 2010 the U.S. rate was 3.6/100,000, the rate in Hawaii was 8.8/100,000*). Of special concern is the number of cases among young people: in 2012 23.2% of cases on Guam were in the age group of 0-14 years while in the U.S. this age-group accounted for only 6% of cases (U.S. data for 2008). The average age of new TB cases among Chamorros in 2012 was 50.5 years, among Filipinos 43.2 years, and among Micronesians other than Chamorros, 27.4 years.

* *MMWR, March 25, 2011 / 60(11);333-337*

NOT REPORTED ON GUAM DURING 2012

Communicable diseases previously reported on Guam but for which no reports were received during 2012 included amebiasis, brucellosis, cholera, ciguatera-type fish poisoning, diphtheria, invasive *H. influenzae*, malaria, measles, meningococcal disease, rubella, congenital syphilis, toxoplasmosis, and typhoid fever.

ANNUAL SUMMARY OF NOTIFIABLE DISEASES BY MONTH, GUAM - 2012

DISEASE	MONTH												
	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<i>Acinetobacter baumannii</i> MDR	15	1	3	1	0	0	2	1	0	1	1	4	1
AIDS	7	0	1	0	0	2	0	0	2	0	1	0	1
Campylobacteriosis	7	0	3	0	0	0	0	0	0	2	1	0	1
Chickenpox	50	3	13	0	2	7	4	1	4	5	3	3	5
Chlamydia	1031	92	97	105	102	125	78	99	83	57	79	53	61
<i>Clostridium difficile</i>	17	2	1	0	4	1	1	0	1	1	1	5	0
Conjunctivitis	316	28	35	28	9	36	15	12	31	28	27	30	37
Dengue	5*	1	1	0	0	0	1	1	0	0	0	1	0
Fish poisoning (Ciguatera)	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish poisoning (Scombroid)	4	1	0	0	1	1	0	0	0	1	0	0	0
Food Poisoning	20	0	3	9	1	0	2	1	1	0	2	1	0
Giardiasis	2	0	0	1	0	0	0	0	0	0	0	1	0
Gonorrhea	92	11	9	6	6	6	11	11	4	9	12	5	2
Hand, foot, and mouth	3	0	0	0	2	0	0	0	0	0	1	0	0
Hansen's disease	10	1	0	1	2	0	1	0	0	3	0	0	2
Hepatitis A	22	2	3	2	2	4	0	0	0	1	3	2	3
Hepatitis B	66	7	7	5	9	4	4	2	6	5	5	4	8
Hepatitis C	61	8	5	6	5	6	6	5	3	5	8	3	1
Herpes simplex, Type 2	41	0	2	3	4	4	4	9	6	1	4	4	0
HIV	11	0	1	2	0	3	1	1	1	1	0	0	1
HPV	77	6	7	6	1	5	4	7	7	7	12	8	7
HSV 2	41	0	2	3	4	4	4	9	6	1	4	4	0
Influenza	136	15	22	8	9	9	17	15	26	7	6	2	0
Kawasaki syndrome	2	1	0	0	0	1	0	0	0	0	0	0	0
<i>Klebsiella pneumoniae</i> MDR	27	1	3	3	0	3	4	2	3	2	1	4	1
Leptospirosis	3	0	0	0	0	1	0	1	0	0	1	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis, aseptic	2	1	0	0	0	1	0	0	0	0	0	0	0
Meningitis, other	1	0	0	0	0	1	0	0	0	0	0	0	0
MRSA	535	63	47	41	48	36	32	31	38	48	50	53	48
Mumps	3	0	0	0	0	0	1	0	0	0	1	1	0
Pertussis	1	0	0	0	0	0	0	1	0	0	0	0	0
Rheumatic fever, active	4	0	0	0	1	0	0	0	1	1	1	0	0
Salmonellosis	13	2	0	0	2	1	3	2	1	0	0	1	1
Scabies	28	9	3	0	0	4	2	0	2	3	3	2	0
Scarlet fever	8	0	0	2	0	0	0	0	2	2	1	1	0
Shigellosis	1	0	0	0	1	0	0	0	0	0	0	0	0
Streptococcal sore throat	328	48	29	33	29	27	30	19	19	29	30	20	15
Strep disease, invasive	13	0	1	0	0	1	1	2	1	4	2	1	0
Strep. disease, other	74	11	8	9	2	2	4	6	2	10	6	13	1
Syphilis, infectious	6	0	0	3	1	0	0	1	0	0	0	0	1
Syphilis, latent	22	6	3	1	2	3	2	3	1	0	0	0	1
Syphilis, congenital	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	69	6	6	11	4	8	4	3	10	3	3	6	5
Vancomycin resis. <i>Enterococcus</i>	46	3	3	3	2	2	3	2	2	7	8	7	4
<i>Vibrio</i> species	1	0	1	0	0	0	0	0	0	0	0	0	0

* = Disease contracted off-island

ANNUAL SUMMARY OF NOTIFIABLE DISEASES BY AGE, GUAM - 2012

DISEASE	Total	< 1	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 39	40 - 49	50 - 64	65+	UNK
Acinetobacter baumannii MDR	15	0	0	0	0	1	1	2	1	2	3	5	0
AIDS	7	0	0	0	0	0	0	3	2	2	0	0	0
Amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0
Campylobacteriosis	7	0	2	0	1	1	0	0	3	0	0	0	0
Chickenpox	50	8	11	13	3	5	3	2	2	2	0	1	0
Chlamydia	1031	0	0	0	3	188	437	213	135	38	17	0	0
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Clostridium difficile</i>	17	0	0	0	0	0	0	0	2	2	6	7	0
Conjunctivitis	316	26	48	26	20	18	41	26	45	18	17	12	19
Dengue	5	0	0	0	0	0	0	1	1	1	2	0	0
Fish poisoning (Ciguatera)	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish poisoning (Scombroid)	4	0	0	0	1	1	0	1	0	0	1	0	0
Food poisoning	20	0	7	3	0	0	1	2	1	2	3	1	0
Giardiasis	2	0	1	1	0	0	0	0	0	0	0	0	0
Gonorrhea	92	0	0	0	1	14	35	25	9	7	1	0	0
Hand, foot, and mouth	3	0	2	0	0	0	0	0	0	1	0	0	0
Hansen's disease	10	0	0	1	1	1	0	2	3	1	0	1	0
Hepatitis A	22	0	0	0	0	1	0	1	2	6	8	4	0
Hepatitis B	66	0	0	0	0	0	2	9	12	12	22	8	1
Hepatitis C	61	0	0	0	0	0	1	2	5	13	34	5	1
Herpes simplex. Type 2	41	0	0	0	1	0	16	6	12	5	1	0	0
HIV	11	0	0	0	0	2	1	2	4	2	0	0	0
HPV	77	0	0	0	0	4	24	20	17	7	1	0	4
HSV 2	41	0	0	0	1	0	16	6	12	5	1	0	0
Influenza	136	10	24	27	13	10	7	4	17	6	7	7	4
Kawasaki syndrome	2	1	1	0	0	0	0	0	0	0	0	0	0
<i>Klebsiella pneumoniae</i> MDR	27	4	1	0	0	0	1	1	3	5	5	7	0
Leptospirosis	3	0	0	0	0	2	0	0	1	0	0	0	0
Meningitis, Aseptic	2	1	0	0	0	0	1	0	0	0	0	0	0
Meningitis, Other	1	1	0	0	0	0	0	0	0	0	0	0	0
Meningococcal Disease	0	0	0	0	0	0	0	0	0	0	0	0	0
MRSA	535	17	31	14	13	16	34	27	57	84	125	101	16
Mumps	3	1	0	1	0	1	0	0	0	0	0	0	0
Pertussis	1	1	0	0	0	0	0	0	0	0	0	0	0
Rheumatic fever (active)	4	0	0	0	1	1	2	0	0	0	0	0	0
Salmonellosis	13	4	3	1	2	0	0	0	0	1	2	0	0
Scabies	28	2	3	0	7	10	0	0	3	2	1	0	0
Scarlet Fever	8	0	2	5	1	0	0	0	0	0	0	0	0
Shigellosis	1	1	0	0	0	0	0	0	0	0	0	0	0
Strep disease, invasive	13	1	1	1	0	1	0	0	1	1	4	3	0
Streptococcal sore throat	328	3	11	45	54	37	28	30	50	22	12	6	30
Strep. disease, other	74	2	11	3	2	4	2	3	11	8	16	12	0
Syphilis, Infectious	6	0	0	0	0	1	3	0	0	2	0	0	0
Syphilis, Latent	22	0	0	0	0	1	8	3	9	0	0	1	0
Syphilis, Congenital	0	0	0	0	0	0	0	0	0	0	0	0	0
Toxoplasmosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	69	2	3	6	5	4	0	2	5	10	16	16	0
Vancomycin resis. <i>Enterococcus</i>	46	1	0	0	0	0	2	0	3	5	15	20	0
<i>Vibrio</i> species	1	0	0	0	0	0	0	0	0	1	0	0	0

ANNUAL SUMMARY OF NOTIFIABLE DISEASES BY ETHNICITY, GUAM - 2012

DISEASE	TOTAL	Chamorro	Filipino	White	Micrones.	Black	Asian	Other	Unknown
<i>Acinetobacter baumannii</i> MDR	15	9	4	1	1	0	0	0	0
AIDS	7	3	2	0	2	0	0	0	0
Campylobacteriosis	7	5	2	0	0	0	0	0	0
Chickenpox	50	23	3	0	15	0	4	0	5
Chlamydia	1031	372	119	68	263	38	17	73	81
Cholera	0	0	0	0	0	0	0	0	0
<i>Clostridium difficile</i>	17	13	1	1	2	0	0	0	0
Conjunctivitis	316	82	21	16	21	2	5	7	162
Dengue	5*	1	2	1	0	0	1	0	0
Fish poisoning (Scombroid)	4	3	1	0	0	0	0	0	0
Food poisoning	20	6	6	1	3	0	2	0	2
Giardiasis	2	1	1	0	0	0	0	0	0
Gonorrhea	92	26	9	8	26	8	0	7	8
<i>H. influenzae</i> , invasive	0	0	0	0	0	0	0	0	0
Hand, foot and mouth disease	3	1	1	0	1	0	0	0	0
Hansen's disease	10	0	0	0	10	0	0	0	0
Hepatitis A	22	8	5	0	1	0	3	0	5
Hepatitis B	66	9	19	1	16	0	2	0	19
Hepatitis C	61	34	8	6	1	2	2	0	8
Herpes simplex, Type 2	41	4	1	6	1	4	0	1	24
HIV	11	2	4	1	3	0	1	0	0
HPV	77	8	1	9	1	0	1	0	57
HSV 2	41	4	1	6	1	4	0	1	24
Kawasaki syndrome	2	2	0	0	0	0	0	0	0
<i>Klebsiella pneumoniae</i> MDR	27	17	4	0	4	0	1	1	0
Influenza	136	50	14	4	17	0	28	0	23
Leptospirosis	3	2	0	0	0	0	0	0	1
Meningitis, aseptic	2	1	0	0	0	1	0	0	0
Meningitis, other	1	0	0	0	0	0	0	0	1
MRSA	535	295	55	25	62	1	16	4	77
Mumps	3	1	2	0	0	0	0	0	0
Pertussis	1	0	0	0	1	0	0	0	0
Rheumatic fever	4	1	0	0	3	0	0	0	0
Salmonellosis	13	8	1	0	1	0	1	0	2
Scabies	28	6	3	0	12	0	0	0	7
Scarlet Fever	8	3	2	0	1	0	0	0	2
Shigellosis	1	0	0	0	1	0	0	0	0
Streptococcal sore throat	328	167	25	11	6	3	6	0	110
Strep disease, invasive	13	7	1	0	5	0	0	0	0
Strep disease, other	74	44	2	1	25	1	1	0	0
Syphilis, Infectious	6	2	0	1	1	2	0	0	0
Syphilis, Latent	22	8	0	3	11	0	0	0	0
Syphilis, Congenital	0	0	0	0	0	0	0	0	0
Toxoplasmosis	0	0	0	0	0	0	0	0	0
Tuberculosis	69	15	42	0	11	0	1	0	0
Vancomycin resis. <i>Enterococcus</i>	46	30	6	3	6	0	0	0	1
<i>Vibrio parahaemolyticus</i>	0	0	0	0	0	0	0	0	0
<i>Vibrio</i> species	1	0	0	0	1	0	0	0	0

ANNUAL SUMMARY OF NOTIFIABLE DISEASES BY GENDER, GUAM - 2012

DISEASE	TOTAL	MALE	FEMALE	UNKNOWN
<i>Acinetobacter baumannii</i> MDR	15	8	7	0
AIDS	7	5	2	0
Campylobacteriosis	7	4	3	0
Chickenpox	50	26	24	0
Chlamydia	1031	305	726	0
Cholera	0	0	0	0
<i>Clostridium difficile</i>	17	4	13	0
Conjunctivitis	316	162	154	0
Dengue	5	3	2	0
Fish poisoning (Scombroid)	4	1	3	0
Food poisoning	20	10	10	0
Giardiasis	2	2	0	0
Gonorrhea	92	46	46	0
<i>H. influenzae</i> , invasive	0	0	0	0
Hand, foot and mouth disease	3	3	0	0
Hansen's disease	10	5	5	0
Hepatitis A	22	13	9	0
Hepatitis B	66	33	32	1
Hepatitis C	61	44	17	0
Herpes simplex, Type 2	41	15	26	0
HIV	11	11	0	0
HPV	77	7	70	0
HSV 2	41	15	26	0
Influenza	136	76	60	0
Kawasaki syndrome	2	2	0	0
<i>Klebsiella pneumoniae</i> MDR	27	19	8	0
Leptospirosis	3	3	0	0
Meningitis, aseptic	2	1	1	0
Meningitis, other	1	0	1	0
MRSA	535	297	238	0
Mumps	3	2	1	0
Pertussis	1	1	0	0
Rheumatic fever (active)	4	2	2	0
Salmonellosis	13	6	7	0
Scabies	28	23	5	0
Scarlet Fever	8	4	4	0
Shigellosis	1	1	0	0
Streptococcal sore throat	328	143	183	2
Strep disease, invasive	13	7	6	0
Strep disease, other	74	37	37	0
Syphilis, Infectious	6	5	1	0
Syphilis, Latent	22	10	12	0
Toxoplasmosis	0	0	0	0
Tuberculosis	69	36	33	0
Vancomycin resis. <i>Enterococcus</i>	46	25	21	0
<i>Vibrio</i> species	1	1	0	0

ANNUAL SUMMARY OF NOTIFIABLE DISEASES BY VILLAGE, GUAM – 2012, p.2

DISEASE	Sinajana	Talofoto	Tamuning	Umatac	Yigo	Yona	Civilian unknown	Civilian Total	Andersen A.F.B.	Naval Station	Military Unknown	Military Total	Imported Cases
<i>Acinetobacter baumannii</i> MDR	0	0	0	2	5	1		15	0	0	0	0	0
AIDS	0	0	1	0	1	1	0	7	0	0	0	0	0
Campylobacteriosis	0	0	0	0	1	0	1	7	0	0	0	0	0
Chickenpox	1	0	15	1	3	0	3	48	0	2	0	2	0
Chlamydia	14	12	113	2	124	20	86	912	30	0	89	119	0
<i>Clostridium difficile</i>	0	0	0	1	4	0	1	17	0	0	0	0	0
Conjunctivitis	3	4	16	0	38	8	8	190	111	14	1	126	0
Dengue fever	0	0	0	0	0	0	0	0	0	0	0	0	5
Fish Poisoning (Scombroid)	0	0	0	0	0	0	0	4	0	0	0	0	0
Food poisoning	0	0	6	0	3	0	0	19	0	0	0	0	1
Giardiasis	0	0	0	0	1	0	0	2	0	0	0	0	0
Gonorrhea	1	1	12	0	12	0	4	77	4	0	11	15	0
Hand, foot & mouth disease	0	0	0	0	3	0	0	3	0	0	0	0	0
<i>H. influenzae</i> , invasive	0	0	0	0	0	0	0	0	0	0	0	0	0
Hansen's Disease	0	0	4	0	1	0	1	10	0	0	0	0	0
Hepatitis A	0	0	3	1	0	1	9	19	1	1	0	2	1
Hepatitis B	0	0	6	0	8	1	20	62	1	0	0	1	3
Hepatitis C	0	0	5	0	7	0	12	56	3	0	0	3	2
Herpes simplex, Type 2	0	0	1	0	6	1	3	19	19	3	0	22	0
HIV	0	0	2	0	0	2	0	11	0	0	0	0	0
HPV	0	0	0	0	2	1	11	18	57	1	1	59	0
HSV 2	0	0	1	0	6	1	3	19	19	3	0	22	0
Influenza	1	1	6	0	17	0	24	96	13	1	0	14	26
Kawasaki syndrome	0	0	0	0	1	0	0	2	0	0	0	0	0
<i>Klebsiella pneumoniae</i> MDR	0	0	4	1	5	2	1	26	0	0	0	0	1
Legionellosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis	0	0	0	0	0	0	0	3	0	0	0	0	0
Meningitis, aseptic	0	0	0	0	1	0	0	2	0	0	0	0	0
Meningitis, other bacterial	0	0	0	0	1	0	0	1	0	0	0	0	0
MRSA	2	9	50	7	91	9	62	518	1	15	0	16	1
Mumps	0	0	0	0	0	0	0	3	0	0	0	0	0
Pertussis	0	0	1	0	0	0	0	1	0	0	0	0	0
Rheumatic fever (active)	0	0	0	1	1	0	0	3	0	0	0	0	1
Rubella	0	0	0	0	0	0	0	0	0	0	0	0	0
Salmonellosis	0	0	0	0	4	1	3	12	0	1	0	1	0
Scabies	0	0	0	0	2	5	3	26	0	0	0	0	2
Scarlet Fever	0	1	0	0	1	0	0	6	2	0	0	2	0
Shigellosis	0	0	0	0	0	0	0	1	0	0	0	0	0
Streptococcal sore throat	7	0	13	0	17	1	186	305	12	6	3	21	2
Strep disease, invasive	0	0	2	0	3	1	1	13	0	0	0	0	0
Strep disease, other	1	0	2	0	18	2	7	72	0	0	0	0	2
Syphilis, Infectious	0	1	0	1	1	0	0	6	0	0	0	0	0
Syphilis, Latent	2	0	4	0	0	0	0	21	1	0	0	1	0
Syphilis, Congenital	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	1	1	7	1	10	5	2	69	0	0	0	0	0
Vancomycin resis. <i>Enterococcus</i>	1	1	6	0	13	2	1	46	0	0	0	0	0
<i>Vibrio</i> species	0	0	0	0	0	0	0	1	0	0	0	0	0

SUMMARY OF GUAM ANNUAL NOTIFIABLE DISEASE CASE REPORTS, 2003-2012

DISEASE	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
AIDS	9	0	3	0	4	6	2	6	6	7
Amebiasis	2	0	0	0	0	0	1	0	0	0
Campylobacteriosis	33	29	16	21	14	8	7	4	9	7
Chickenpox	153	273	445	292	239	95	32	28	102	50
Chlamydia	598	803	859	838	822	690	655	900	1071	1031
Cholera O1 El Tor	0	0	3	1	0	0	0	1	1	0
Conjunctivitis	125	171	240	212	721	420	458	328	437	316
Dengue	1*	1*	0	3*	3*	6*	0	3*	3*	5*
Fish poisoning (Ciguatera)	4	0	4	4	2	3	0	0	1	0
Fish poisoning (Scombroid)	8	7	5	5	4	2	0	1	6	4
Food poisoning	64	47	50	209	35	18	27	0	195	20
Giardiasis	2	5	11	5	2	0	3	3	0	2
Gonorrhea	68	125	111	98	142	113	61	98	96	92
Hansen's disease	11	2	2	3	7	1	6	10	2	10
Hepatitis A	2	1	2	1	0	7	7	4	43	22
Hepatitis B	10	12	18	4	3	20	57	77	120	66
Hepatitis C	5	9	8	0	1	10	49	61	70	61
Herpes simplex, Type 2	19	29	14	16	10	26	11	20	30	41
HIV	2	2	7	3	6	5	4	9	6	11
Influenza	49	29	27	20	194	45	586	23	71	136
Legionellosis	1	0	0	0	0	0	0	1	0	0
Leptospirosis	3	7	1	1	1	1	1	0	4	3
Malaria	1*	0	0	3*	1*	4*	0	0	0	0
Measles	5	3(1*)	0	0	0	0	0	0	0	0
Meningitis, aseptic	0	13	4	2	4	8	0	1	0	2
Meningitis, other or unknown	2	5	4	1*	2	2	2	3	0	1
Meningococcal disease	0	1	1	1	0	0	1	0	0	0
MRSA	212	215	262	301	218	252	344	385	565	535
Mumps	3	4	3	1*	6	3	0	502	3	3
Pertussis	1	0	2	64	0	0	2	3	7	1
Rheumatic fever (active)	4	9	6	1	3	3	0	1	5	4
Rubella	1	1	0	0	0	1	0	0	2	0
Salmonellosis	44	50	46	38	20	23	11	11	19	13
Scabies	25	7	45	31	19	11	2	8	14	28
Scarlet Fever	13	5	13	18	11	5	2	7	12	8
Shigellosis	41	42	20	18	19	20	13	5	16	1
Strep disease, invasive	0	1	4	2	14	12	15	4	14	13
Streptococcal Sore Throat	216	202	567	781	466	472	325	593	471	328
Syphilis, all stages	16	13	17	14	35	44	12	11	26	28
Syphilis, congenital	2	0	0	1	2	0	0	0	0	0
Toxoplasmosis	1	1	0	1	0	0	0	1	0	0
Tuberculosis	61	56	73	52	92	89	102	101	81	69
Typhoid Fever	0	1	1*	0	0	0	0	0	0	0
Vancomy. resis. <i>Enterococcus</i>	3	9	17	16	8	15	12	28	26	46
<i>Vibrio cholerae</i> Non-O1	0	1	1	0	1	0	0	0	0	0
<i>Vibrio parahaemolyticus</i>	4	6	3	3	1	2	1	0	1	0

* Indicates infection was first diagnosed on Guam but acquired elsewhere

SUMMARY OF GUAM ANNUAL NOTIFIABLE DISEASE INCIDENCE RATES, 2003-2012 *

DISEASE	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	U.S.A. 2010
AIDS	5.8	0.0	1.9	0.0	2.5	3.8	1.3	3.8	3.8	4.4	DNA
Amebiasis	1.3	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	DNA
Campylobacteriosis	21.2	18.5	10.2	13.3	8.9	5.1	4.4	2.5	5.6	4.4	DNA
Chickenpox	96.4	174.3	283.3	185.4	151.3	60.0	20.1	17.6	63.8	31.3	DNA
Chlamydia	384.7	512.7	546.9	532.0	520.3	435.5	412.2	564.8	670.1	644.7	426.01
Cholera O1 El Tor	0.0	0.0	1.9	0.6	0.0	0.0	0.0	0.6	0.6	0.0	0
Conjunctivitis	80.4	109.2	152.8	134.6	456.4	265.1	288.2	205.8	273.4	197.6	DNA
Dengue	0.6**	0.6**	0.0	1.9**	1.9**	3.8**	0.0	1.9**	1.9**	3.1**	0.22
Filariasis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DNA
Fish poisoning (Ciguatera)	2.6	0.0	2.6	2.5	1.3	1.9	0.0	0.0	0.6	0.0	DNA
Fish poisoning (Scombroid)	5.2	4.5	3.2	3.2	2.5	1.3	0.0	0.6	3.8	2.5	DNA
Food poisoning	41.2	30.0	31.8	132.7	22.2	11.4	17.0	0.0	122.0	12.5	DNA
Giardiasis	1.3	3.2	7.0	3.2	1.3	0.0	1.9	1.9	0.0	1.3	7.64
Gonorrhea	43.7	79.8	70.7	62.2	89.9	71.3	38.4	61.5	60.1	57.5	100.76
Hansen's disease	7.1	1.3	1.3	1.9	4.4	0.6	3.8	6.3	1.3	6.3	0.04
Hepatitis A	1.3	0.6	1.3	0.6	0.0	4.4	4.4	2.5	27.5	13.8	0.54
Hepatitis B	6.4	7.7	11.5	2.5	1.9	12.6	35.9	48.3	75.1	41.3	1.10
Hepatitis C	3.2	5.8	5.1	0.0	0.6	6.3	30.8	38.3	43.8	38.2	0.29
Herpes simplex, Type 2	12.2	18.5	8.9	10.2	6.3	16.4	6.9	12.6	18.8	25.6	DNA
HIV	1.3	1.3	4.5	1.9	3.8	3.2	2.5	5.7	3.8	6.9	11.64
Influenza	31.5	18.5	17.2	12.7	122.8	28.4	368.8	14.4	44.4	85.1	DNA
Legionellosis	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	1.09
Leptospirosis	1.9	4.5	0.6	0.6	0.6	0.6	0.6	0.0	2.5	1.9	DNA
Malaria	0.6**	0.0	0.0	1.9**	0.6**	2.5**	0.0	0.0	0.0	0.0	0.58
Measles	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
Meningitis, Aseptic	0.0	8.3	2.6	1.3	2.5	5.1	0.0	0.6	0.0	1.3	DNA
Meningitis, Other	1.3	3.2	2.4	0.6	1.3	1.3	1.3	1.9	0.0	0.6	DNA
Meningococcal disease	0.0	0.6	0.6	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.27
MRSA	136.4	137.3	166.8	191.1	138.0	159.1	216.5	241.6	353.5	334.6	DNA
Mumps	1.9	2.6	1.9	0.6	3.8	1.9	0.0	315.0	1.9	1.9	0.85
Pertussis	0.6	0.0	1.3	40.6	0.0	0.0	1.3	1.9	4.4	0.6	8.97
Salmonellosis	28.3	31.9	29.3	24.1	12.7	14.5	6.9	6.9	11.9	8.1	17.73
Scabies	16.1	4.5	28.7	19.7	12.0	6.9	1.3	5.0	8.8	17.5	DNA
Scarlet Fever	8.4	3.2	8.3	11.4	7.0	3.2	1.1	4.4	7.5	5.0	DNA
Shigellosis	26.4	26.8	12.3	11.4	12.0	12.6	8.2	3.1	10.0	0.6	4.82
Strep disease, Invasive	0.0	0.6	2.6	1.3	8.9	7.6	9.4	2.5	8.8	8.1	DNA
Streptococcal Sore Throat	139.0	129.0	361.0	495.8	295.0	297.9	204.5	372.1	294.7	205.1	DNA
Syphilis, all stages	10.3	8.3	10.8	8.9	22.2	27.8	7.5	6.9	16.3	17.5	14.93
Syphilis, congenital	1.3	0.0	0.0	0.6	1.3	0.0	0.0	0.0	0.0	0.0	8.85
Toxoplasmosis	0.6	0.6	0.0	0.6	0.0	0.0	0.0	0.6	0.0	0.0	DNA
Tuberculosis	39.2	35.8	46.5	33.0	58.2	56.2	64.2	63.4	50.7	43.4	3.64
Typhoid Fever	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
<i>Vibrio cholerae</i> NAG	0.0	0.6	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	DNA
<i>Vibrio parahaemolyticus</i>	2.6	3.8	1.9	1.9	0.6	1.3	0.6	0.0	0.6	0.0	DNA
GUAM POPULATION	157,579	158,024	158,398	158,711	158,967	159,169	159,323	159,358	159,600	159,914	

* Cases per 100,000 population ** Cases first diagnosed on Guam but contracted elsewhere. DNA = Data not available.

NOTE: Annual incidence rates have been adjusted to reflect revised annual population estimates following release of 2010 Census figures. Inter-Census Guam population estimates provided by Calvin Saruwatari, Guam State Data Center, Planning Information Program, Bureau of Statistics and Plans, Government of Guam.

GUAM POPULATION¹ - 2012

TOTAL POPULATION (MIDYEAR) 159,914

ETHNICITY	TOTAL	MALE ²	FEMALE ²
CHAMORRO (full or part)	69,339	35,341	33,998
FILIPINO (full or part)	45,375	24,555	20,820
WHITE	11,360	6,955	4,405
MICRONESIAN	20,296	7,858	12,437
BLACK	1,545	943	602
ASIAN (minus Filipino)	9,470	4,776	4,694
OTHER	2,529	1,425	835

Source: U.S. Census Bureau Note: Differs from 2010 Census totals due to multi-ethnic redistribution.

AGE GROUP	TOTAL	MALE	FEMALE
0-4	13,907	7,152	6,755
5-9	13,936	7,169	6,767
10-14	14,944	7,796	7,148
15-19	14,406	7,248	6,798
20-24	12,900	6,550	6,350
25-34	21,381	10,773	10,608
35-44	21,493	10,970	10,523
45-54	20,449	10,613	9,836
55-59	7,754	3,914	3,840
60-64	6,532	3,258	3,274
65-74	7,810	3,746	4,064
75-84	3,848	1,647	2,201
85+	914	329	585
TOTAL	159,914	81,165	78,749

Source: U.S. census Bureau, International Programs center (IPC)

VILLAGES	POPULATION			MILITARY BASES	MILITARY ON-BASE ³
	TOTAL	MALE	FEMALE		
Agana Heights	3,821	1,936	1,885	Naval Hospital	90
Agat	4,934	2,500	2,434		
Asan-Maina	2,144	1,088	1,056	Nimitz Hill	180
Barrigada	8,906	4,491	4,415		
Chalan Pago-Ordot	6,846	3,464	3,382		
Dededo	45,100	22,565	22,601	NICTAMS	211
Hagatna	1,055	627	428		
Inarajan	2,281	1,134	1,147		
Mangilao	15,244	7,874	7,370		
Merizo	1,856	945	911		
Mongmong-Toto-Maite	6,849	3,472	3,377		
Piti	1,459	755	704		
Santa Rita	6,105	3,375	2,730	Naval Station	2,471
Sinajana	2,601	1,331	1,270		
Talofofo	2,061	1,052	1,009		
Tamuning	19,754	10,605	9,149		
Umatac	785	395	390		
Yigo	20,611	10,498	10,113	Andersen AFB	3,061
Yona	6,503	3,238	3,265		

¹ 2012 Guam population estimates provided by Calvin Saruwatari, Guam State Data Center, Planning Information Program, Bureau of Statistics and Plans, Office of the Governor, Government of Guam. Military populations, including active duty and dependents, are included in the respective village totals.

² Estimate as of 6/12/13

³ Estimates of active duty military and dependents living on military installations provided by Bureau of Statistics and Plans, Office of the Governor, Government of Guam.



OFFICIAL GUAM REPORTABLE DISEASE LIST

Authority: Chapter 3, Title X, Guam Code Annotated



CLASS I DISEASES

Class I diseases include those with potential for rapid spread or requiring prompt action for effective control and must be reported immediately by phone in addition to usual morbidity card report – do not wait for laboratory confirmation.

Acute flaccid paralysis

***Anthrax**

***Botulism**

Cholera

Dengue

Diphtheria

Encephalitis, viral

Food or fish poisoning (2 or more related cases)

***Hemorrhagic fevers (all forms)**

Measles (Rubeola)

Meningococcal disease

Novel Influenza Virus (suspected novel or reemerging influenza viruses with potential to cause a pandemic)

Pertussis

***Plague**

Poliomyelitis (acute)

Rabies (in man or animal)

Rubella (including congenital)

SARS

***Small Pox**

***Tularemia**

Typhoid fever

Typhus

Yellow Fever

Toxic-shock syndrome

Trichinosis

***Indicates diseases that may be used as bioterrorism agents.**

CLASS II DISEASES

Individual cases of Class II diseases may be reported by morbidity report card. Please report unusual outbreaks or apparent epidemics by phone.

AIDS/HIV

Amebiasis

Brucellosis

Campylobacteriosis

Chancroid

Chickenpox (varicella)

Chlamydia trachomatis

Coccidioidomycosis

Conjunctivitis, viral or bacterial

Cryptosporidiosis

Cyclosporiasis

Eosinophilic meningoencephalitis

Enterococcus sp., vancomycin resistant (VRE)

Escherichia coli 0157:H7

Food or Fish poisoning (isolated cases)

Giardiasis

Gonorrhea

Granuloma inguinale

Haemophilus influenzae, invasive disease

Hansen's disease (Leprosy)

Hemolytic-uremic syndrome

Hepatitis A, B, C Δ or unspecified viral

Herpes simplex Type 2

Human papillomavirus (HPV)

Influenza

Kawasaki syndrome

Legionellosis

Leptospirosis

Lyme disease

Lymphogranuloma venereum

Malaria

Meningitis, aseptic

Meningitis, bacterial

Mumps

Myocarditis

Paratyphoid fever

Parvovirus B19 (Fifth disease)

Rheumatic fever (active) & post-streptococcal glomerulonephritis

Rickettsial disease

Salmonellosis (non-typhoidal)

Scabies

Scarlet fever

Shigellosis

Staphylococcus aureus (MRSA or VRSA)

Streptococcal disease (Group A)

Streptococcus pneumoniae, penicillin resistant (PRSP)

Streptococcal sore throat

Syphilis

Tetanus

Tuberculosis

Vibriosis

Telephone reports: Weekdays 8:00 a.m. to 5:00 p.m. • 735-7154 or 735-7143 or 735-7298

After hours/Weekends: Emergency Telephone • 888-WARN (9276) or 787-6890 Fax reports (24 hours): • 734-2104

Recognizing that no list can include every disease that could possibly pose a threat to the residents of Guam, the Guam Department of Public Health and Social Services encourages the reporting of any additional disease cases with potential for serious public health impact or which may merit epidemiologic investigation.

SAMPLE MORBIDITY REPORT CARDS – Health care providers are welcome to devise their own reporting forms provided the essential patient information listed below is included. Please bear in mind that missing information, particularly that regarding ethnicity and village of residence, affects the usefulness of future annual and special morbidity reports and may require follow-up contact with your office. When possible, please be specific about patient’s ethnicity; e.g., Chamorro or Filipino – not “Pacific Islander”.

Mail routine reports to: BUREAU OF COMMUNICABLE DISEASE CONTROL, Central Public Health, 123 Chalan Kareta, Mangilao, Guam, 96913-6304. **Please do not fax HIV/AIDS morbidity reports.** Mail or hand-deliver these reports to the address above, **Attn: HIV Surveillance Coordinator. Envelope should be stamped “Confidential”.**

For immediate reporting of CLASS I Diseases, telephone 735-7143 during working hours, 888-WARN (24 HOURS), or send FAX to 734-2066 or 734-1475.

MORBIDITY REPORT CARD	
Disease: _____	Date: _____
Name: _____	
LAST NAME	FIRST NAME
Occupation: _____	Employer: _____
<input type="checkbox"/> Civilian <input type="checkbox"/> Tourist <input type="checkbox"/> Military <input type="checkbox"/> Military Dependent	
Ethnicity: _____	Sex: _____
Patient number: _____	Age: _____ DOB: _____
Village: _____	Street address: _____
Mailing address: _____	Phone: _____
Clinic: _____	Doctor: _____
MORBIDITY REPORT CARD	
Disease: _____	Date: _____
Name: _____	
LAST NAME	FIRST NAME
Occupation: _____	Employer: _____
<input type="checkbox"/> Civilian <input type="checkbox"/> Tourist <input type="checkbox"/> Military <input type="checkbox"/> Military Dependent	
Ethnicity: _____	Sex: _____
Patient number: _____	Age: _____ DOB: _____
Village: _____	Street address: _____
Mailing address: _____	Phone: _____
Clinic: _____	Doctor: _____