



2009 Florida Morbidity Statistics

Florida Department of Health
Division of Disease Control
Bureau of Epidemiology
4052 Bald Cypress Way, Bin A-12
Tallahassee, Florida 32399-1720
850-245-4401

<http://www.doh.state.fl.us/>

Florida Morbidity Statistics Report 2009:
http://www.doh.state.fl.us/disease_ctrl/epi/Morbidity_Report/amr_2009.pdf

Published December 2010

Table of Contents

| | |
|--|-------|
| Acknowledgments | vii |
| Purpose | xiii |
| Report Format | xiii |
| Data Sources | xiii |
| Interpreting the Data | xv |
| Florida County Boundaries | xvii |
| Table A: Florida Population by Year and County, 1999-2009 | xviii |
| Table B: Florida Population by Age Group, 2009 | xx |
| Table C: Florida Population by Gender, 2009 | xx |
| Table D: Florida Population by Race (White, Black and Non-white), 2009 | xx |
| List of Reportable Diseases/Conditions in Florida, 2009 | xxi |
| Selected Florida Department of Health Contacts | xxii |

Section 1: Summary of Selected Notifiable Diseases and Conditions

| | |
|---|----|
| Table 1.1: Reported Confirmed and Probable Cases and Incidence Rate per 100,000 Population for Selected Notifiable Diseases, Florida, 2000-2009 | 25 |
| Table 1.2: Reported Confirmed and Probable Cases of Notifiable Diseases of Infrequent Occurrence, Florida, 2000-2009 | 26 |
| Table 1.3: Reported Confirmed and Probable Cases and Incidence Rate per 100,000 Population for Selected Notifiable Diseases by County of Residence, Florida, 2009 | 28 |
| Table 1.4: Reported Confirmed and Probable Cases and Incidence Rate per 100,000 Population for Selected Notifiable Diseases by Age Group, Florida, 2009 | 38 |
| Table 1.5: Top 10 Reported Confirmed and Probable Cases of Disease by Age Group, Florida, 2009 | 40 |
| Table 1.6: Reported Confirmed and Probable Cases and Incidence Rate per 100,000 Population for Selected Notifiable Diseases by Gender, Florida, 2009 | 41 |
| Table 1.7: Reported Confirmed and Probable Cases of Selected Notifiable Diseases by Month of Onset, Florida, 2009 | 42 |

Section 2: Selected Notifiable Diseases and Conditions

| | |
|--|----|
| Acquired Immune Deficiency Syndrome/Human Immunodeficiency Virus | 45 |
| Arsenic Poisoning | 57 |
| Brucellosis | 59 |
| Campylobacteriosis | 62 |
| Carbon Monoxide Poisoning | 65 |
| Chlamydia | 69 |
| Cryptosporidiosis | 72 |

| | |
|--|-----|
| Cyclosporiasis | 76 |
| Dengue Fever | 79 |
| Ehrlichiosis/Anaplasmosis | 82 |
| <i>Escherichia coli</i> , Shiga toxin-producing | 85 |
| Giardiasis | 88 |
| Gonorrhea | 92 |
| <i>Haemophilus influenzae</i> , Invasive Disease | 95 |
| Hepatitis A | 98 |
| Hepatitis B (+HBsAg in Pregnant Women) | 102 |
| Hepatitis B, Acute | 104 |
| Hepatitis C, Acute | 108 |
| Lead Poisoning, 2008 | 111 |
| Legionellosis | 114 |
| Listeriosis | 117 |
| Lyme Disease | 120 |
| Malaria | 124 |
| Measles | 127 |
| Meningitis (Other Bacterial, Cryptococcal, Mycotic) | 128 |
| Meningococcal Disease | 132 |
| Mercury Poisoning | 136 |
| Mumps | 139 |
| Pertussis | 141 |
| Pesticide Poisoning, 2007–2008 | 144 |
| Rabies, Animal | 150 |
| Rabies, Possible Exposure | 153 |
| Rocky Mountain Spotted Fever | 156 |
| Salmonellosis | 160 |
| Shigellosis | 163 |
| Streptococcal Disease, Invasive Group A | 166 |
| <i>Streptococcus pneumoniae</i> , Invasive Disease, Drug-Resistant | 169 |
| <i>Streptococcus pneumoniae</i> , Invasive Disease, Drug-Susceptible | 174 |
| Syphilis | 177 |
| Toxoplasmosis | 180 |
| Tuberculosis | 182 |
| Typhoid Fever | 190 |
| Varicella | 192 |
| Vibriosis | 195 |
| West Nile Virus | 199 |

| | |
|--|-----|
| Section 3: Summary of Foodborne Disease Outbreaks | 203 |
| Section 4: Summary of Antimicrobial Resistance Surveillance | 211 |
| Section 5: Summary of 2009 H1N1 Influenza A Surveillance | 243 |
| Section 6: Summary of Notable Outbreaks and Case Investigations | 259 |
| Section 7: Recently Published Papers and Reports | 299 |
| Section 8: Summary of Cancer Data, 2007 | 315 |
| Section 9: Laboratory Status Report | 329 |

Acknowledgements

Disease control and prevention are core functions of any public health agency. In fact, the mission of the Florida Department of Health is “to promote, protect, and improve the health of all people in Florida.” The Florida Department of Health’s ability to identify, prevent, and control the spread of disease was challenged throughout 2009 with the emergence of an influenza pandemic. Novel influenza A H1N1 was first detected in the U.S. in California in April of 2009 and spread throughout the country. Florida felt the impact of this pandemic through the summer and fall of 2009. The Department’s response to this pandemic was time consuming and resource intensive, and required the collaboration of county health departments and many bureaus, divisions, and public health partners. This collaboration was essential to ensure an efficient and effective response to the influenza pandemic while also completing regular daily operations of the Department that are essential to protecting the public’s health.

Protection of the public’s health from emerging diseases, including the recent example of novel influenza, requires diligence in all aspects of public health. Our most important partners in identifying and characterizing emerging trends in disease are the physicians, nurses, laboratorians, hospital infection control practitioners and other healthcare professionals who participate in reportable disease surveillance. Without their participation, our ability to recognize and intervene in emerging public health issues would be limited.

The Division of Disease Control and the Bureau of Epidemiology would like to thank the other program areas within the Florida Department of Health that contributed information to this report including the Bureau of Immunization, Bureau of HIV/AIDS, Bureau of Sexually Transmitted Diseases Prevention and Control, Bureau of Tuberculosis and Refugee Health, Bureau of Environmental Public Health Medicine, and Bureau of Laboratories. Finally, we extend grateful recognition to the county health department staff and other public health professionals who are involved in reportable disease surveillance, through disease control activities, case investigations, data collection, or other essential functions.

We hope readers will find this document useful when setting priorities and directions for action at the individual and community levels to improve the health of all people in Florida.



Julia Gill, Ph.D., M.P.H.
Director, Division of Disease Control



Mary Hilton, M.N.O
Chief (Acting), Bureau of Epidemiology

Florida Morbidity Statistics Report Staff

Editors

| | |
|---------------------------------|---|
| Kate Goodin, M.P.H. | Bureau of Epidemiology |
| Aaron Kite-Powell, M.S. | Bureau of Epidemiology |
| Janet J. Hamilton, M.P.H. | Bureau of Epidemiology |
| Richard Hopkins, M.D., M.S.P.H. | Bureau of Epidemiology, Acting State Epidemiologist |
| Leesa Gibson, M.S. | Bureau of Epidemiology |

Contributors

| | |
|--------------------------------------|--|
| Avalon Adams-Thames, M.P.H. | Bureau of Epidemiology |
| Greg Alfsen | Hillsborough County Health Department |
| Gail Allen, R.N., B.S.N. | Walton County Health Department |
| Isabel Anasco, R.N., B.S.N. | Alachua County Health Department |
| David Atrubin, M.P.H. | Hillsborough County Health Department |
| Taj Azarian, M.P.H. | Duval County Health Department |
| Rosanna Barrett, M.P.H. | Bureau of Environmental Public Health Medicine |
| Carina Blackmore, D.V.M., Ph.D. | Bureau of Environmental Public Health Medicine |
| Dean Bodager, R.S., M.P.A., D.A.A.S | Bureau of Environmental Public Health Medicine |
| Peggy Booth, R.N., B.S.N. | Seminole County Health Department |
| Ronetta Campbell, R.N., B.S.N. | Bureau of Immunization |
| Colleen Collins, M.S.N. | Polk County Health Department |
| Vincent Conte, M.D. | Miami-Dade County Health Department |
| Adrian Cooksey, M.P.H. | Bureau of Sexually Transmitted Diseases Prevention and Control |
| Karen Coombs, R.N., B.S.N. | Orange County Health Department |
| Terry Cooper | Alachua County Health Department |
| Debbie Daniels | Hillsborough County Health Department |
| Gregory Danyluk, Ph.D., M.P.H., M.S. | Seminole County Health Department |
| Anthony Dennis | Alachua County Health Department |
| Kathy Dodd | Lafayette County Health Department |
| Andrea Dopico, M.P.H. | Pinellas County Health Department |
| Timothy Doyle, M.P.H. | Bureau of Epidemiology |
| Leah Eisenstein, M.P.H. | Bureau of Epidemiology |

| | |
|------------------------------------|--|
| Karen Elliot, M.P.H. | Nassau County Health Department |
| Sallie Ford | Lafayette County Health Department |
| Brian Fox, M.A. | Bureau of Epidemiology |
| Jessica Fung, M.P.H. | Bureau of Epidemiology |
| Mike Friedman, M.P.H. | Bureau of Environmental Public Health Medicine |
| Kim Geib, M.S.N. | Nassau County Health Department |
| Michelle George, M.P.H. | Bureau of Environmental Public Health Medicine |
| Cynthia Goldstein-Hart, M.P.H. | Polk County Health Department |
| Kate Goodin, M.P.H. | Bureau of Epidemiology |
| Barbara Gossett, R.N., B.S.N. | Department of Corrections |
| Roberta Hammond, Ph.D., R.S. | Bureau of Environmental Public Health Medicine |
| Janet J. Hamilton, M.P.H. | Bureau of Epidemiology |
| Tania Harper, M.P.H. | Orange County Health Department |
| Carrie Harter | Manatee County Health Department |
| Sue Heller, R.N., B.S.N. | Pinellas County Health Department |
| Richard Hutchinson | Bureau of Environmental Public Health Medicine |
| Barry Inman, B.A./B.S., C.I.C. | Brevard County Health Department |
| Erica Johnson, M.S.P.H. | Bureau of Epidemiology |
| Robyn Kay, M.P.H. | Bureau of Epidemiology |
| Beverly Keith, R.N., B.S.N. | Orange County Health Department |
| Diane King, R.N., M.S.P.H. | Palm Beach County Health Department |
| Doug King | Hillsborough County Health Department |
| Aaron Kite-Powell, M.S. | Bureau of Epidemiology |
| Richard Hopkins, M.D., M.S.P.H. | Bureau of Epidemiology |
| Tara Hylton, M.P.H. | Bureau of Epidemiology |
| Becky Lazensky, M.P.H. | Bureau of Environmental Public Health Medicine |
| Catherine Lesko, M.P.H. | Bureau of Epidemiology |
| Ryan M. Lowe, M.P.H. | Bureau of Environmental Public Health Medicine |
| Lorene Maddox, M.P.H. | Bureau of HIV/AIDS |
| Colin Malone, M.P.H. | Bureau of Epidemiology |
| Pamela Mann, M.P.H. | Bureau of Epidemiology |
| Joan Matlock, R.N. | Bureau of Environmental Public Health Medicine |
| Kateesha McConnell, M.P.H., C.P.H. | Bureau of Tuberculosis and Refugee Health |
| Warren McDougle, M.P.H. | Hillsborough County Health Department |
| Travis McLane | Bureau of Epidemiology |
| Helen Morin, R.N. | Seminole County Health Department |

| | |
|---|--|
| Prakash Mulay, M.B.B.S, M.P.H. | Bureau of Environmental Public Health Medicine |
| Laura Mulford, M.P.H., R.N. | Bureau of Immunization |
| Mackenzie Nowell, M.P.H. | Bureau of Epidemiology |
| Pedro Noya-Chaveco, M.P.H. | Miami-Dade County Health Department |
| Anita Ofori-Addo, M.P.H. | Bureau of Epidemiology |
| Tiery Osias, M.P.H. | Orange County Health Department |
| David Overfield | Orange County Health Department |
| Michelle Payne, R.N., B.S.N. | Walton County Health Department |
| Robin Pearson, R.N., B.S.N. | Lafayette County Health Department |
| Scott Pritchard, M.P.H. | Sarasota County Health Department |
| Brian Prowant | Hendry/Glades County Health Department |
| Elizabeth Radke, M.P.H. | Bureau of Environmental Public Health Medicine |
| Patricia Ragan, Ph.D., M.P.H., P.A.-C. | Bureau of Epidemiology |
| Deva Rea, M.P.H., R.N., B.S.N. | Orange County Health Department |
| Tara Richardson, M.P.H. | Bureau of Epidemiology |
| Laura Rutledge, R.N., B.S.N. | Bureau of Immunization |
| Max Salfinger, M.D. | Bureau of Laboratories |
| Roger Sanderson, M.A., B.S.N. | Bureau of Epidemiology |
| Adlin Santiago | Hillsborough County Health Department |
| Rolland Shrewsbury | Sumter County Health Department |
| Danielle Stanek, D.V.M. | Bureau of Environmental Public Health Medicine |
| Juan Suarez | Bureau of Environmental Public Health Medicine |
| Lois Taylor, R.N., B.S.N. | Florida Newborn Screening Follow-up Program |
| Robin Terzagian | Bureau of Environmental Public Health Medicine |
| Holli M. Tietjen, M.S. | Palm Beach County Health Department |
| Kathleen Van Zile, M.S.E.H., R.S. | Bureau of Environmental Public Health Medicine |
| Ruth Voss, M.P.H., R.N. | Duval County Health Department |
| Donna J. Walsh, M.P.A., R.N., B.S.N. | Orange County Health Department |
| Janet Wamnes, M.S. | Bureau of Environmental Public Health Medicine |
| Lea Wansborough, M.P.H. | Bureau of Epidemiology |
| Kristina Weis-Kintzinger, Ph.D., M.P.H. | Bureau of Environmental Public Health Medicine |
| Lea Williams | Orange County Health Department |
| Siri Wilson, M.P.H. | Alachua County Health Department |
| Michael Wydotis | Bureau of Environmental Public Health Medicine |
| Connie Wolfe, R.N., B.S.N. | Clay County Health Department |

Introduction

Purpose

The Florida morbidity report is compiled to:

1. summarize annual morbidity from reportable acute communicable and environmental diseases, and cancer in Florida,
2. describe patterns of disease as an aid in directing future disease prevention and control efforts; and,
3. provide a resource to medical and public health authorities at county, state, and national levels.

Report Format

This report is divided into 9 sections:

Section 1: Summary of Selected Notifiable Diseases and Conditions

Section 2: Selected Notifiable Diseases and Conditions

Section 3: Summary of Foodborne Disease Outbreaks

Section 4: Summary of Antimicrobial Resistance Surveillance

Section 5: Summary of 2009 H1N1 Influenza A Surveillance

Section 6: Summary of Notable Outbreaks and Case Investigations

Section 7: Recently Published Papers and Reports

Section 8: Summary of Cancer Data, 2007

Section 9: Laboratory Status Report

Data Sources

Data presented in this report are based on reports received by county and state health department staff from physicians, hospitals, and laboratories throughout the state. Data on occurrence of reportable diseases in Florida were obtained through passive and sometimes active surveillance. Reporting suspected and confirmed cases of notifiable diseases or conditions in the State of Florida is mandated under Florida Statute 381.0031, and Chapter 64D-3, *Florida Administrative Code (F.A.C.)*. People in charge of laboratories, practitioners, hospitals, medical facilities, or other locations providing health services (can include schools, nursing homes, and state institutions) are required to report diseases or conditions and the associated laboratory test results listed in the Table of Notifiable Diseases or Conditions, Chapter 64D-3, *F.A.C.* Reporting test results by a laboratory does not nullify the practitioner's obligation to also report the disease or condition. These data are the basis for providing useful information on reportable diseases and conditions in Florida to public health and healthcare workers and policymakers, and would not be possible without the cooperation of the extensive network involving both private and public sector participants.

1. Passive surveillance relies on physicians, laboratories, and other healthcare providers to report diseases to the Florida Department of Health (FDOH), using a confidential morbidity report form, electronically, by telephone, or by facsimile.
2. Active surveillance entails FDOH staff regularly contacting hospitals, laboratories, and physicians in an effort to identify all cases of a given disease.
3. Increasingly, information about cases of reportable diseases is passed from providers, especially laboratories, to the FDOH as electronic records, which occurs automatically.

Interpreting the Data

This report should be interpreted considering the following limitations.

1. Under-Reporting

Evaluations of infectious disease reporting systems have, in general, indicated that the completeness of reporting varies by disease. The less common, more severe reportable diseases such as bacterial meningitis, diphtheria, polio, botulism, anthrax, tuberculosis, and congenital syphilis are more completely reported than the more common but (individually) less severe diseases such as hepatitis A or campylobacteriosis. Variation in reported disease incidence at the local level probably reflects, to varying degrees, both differences in the true incidence of disease and differences in the vigor with which surveillance is performed.

2. Reliability of Rates

All incidence rates in this report are expressed as the number of reported cases of a disease per 100,000 population unless otherwise specified. Animal rabies is only reported as the number of cases, because no reliable denominators exist for animal populations. Rates for diseases with only a few cases reported per year can be unstable and should be interpreted with caution. The observation of zero events is especially difficult to interpret. All rates in the report based on fewer than 19 events should be considered unreliable. This translates into a relative standard error of the rate of 23% or more, which is the cut-off for rate reliability used by the National Center for Health Statistics.

3. Reporting Period

The data in this report are aggregated by the date the case was reported to the Bureau of Epidemiology for each of the years presented, beginning January 1 and ending December 31. Frequency counts include only cases reported during this time. Some cases reported in 2009 may have onset or diagnosis dates in 2008, and some with onset in 2009 may have been reported in 2010.

4. Case Definition

Cases are classified as confirmed, probable, or suspected at the local level, using a published set of surveillance case definitions (Surveillance Case Definitions for Select Reportable Diseases in Florida, available at http://www.doh.state.fl.us/disease_ctrl/epi/surv/CaseDefinitions.html). For cases of most diseases, these classifications are reviewed at the state level. In this report confirmed and probable cases have been included for all diseases, but no suspected cases have been included.

5. Place of Acquisition of Disease or Condition

The distribution of cases among Florida counties is determined by the patient's reported county of residence. Cases are allocated to their county of residence regardless of where they became ill or are/were hospitalized, diagnosed, or exposed. Cases in people whose official residence is outside the state of Florida, but who became ill or are/were hospitalized or diagnosed in Florida, are not included. These cases are referred through an interstate reciprocal notification system to the state where the patient resides.

6. Population Estimates

All population estimates are from the Community Health Assessment Resource Tool Set (CHARTS). The CHARTS system receives its estimates from the Florida Legislature's Office of Economic and Demographic Research (EDR). Estimates are updated once per year in the CHARTS system. Note that previous editions of this report may show somewhat different populations for a given year than the ones shown here, as these estimates are revised periodically.

7. Incomplete Case Information

Certain analyses may not include all reportable cases of a specific disease due to incomplete case information. For graphs denoting month of onset, it is important to note that only those cases of disease for which an onset date could be determined are included.

Florida County Boundaries



Table A. Florida Population by Year and County, 1999-2009, (Source - Florida CHARTS; accessed February 2010)

| County | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| State Total | 15,679,606 | 16,074,896 | 16,412,296 | 16,772,201 | 17,164,199 | 17,613,368 | 18,018,497 | 18,440,700 | 18,731,287 | 18,896,559 | 18,818,998 |
| Alachua | 213,346 | 219,239 | 224,397 | 229,524 | 232,110 | 237,374 | 241,858 | 244,648 | 248,183 | 249,788 | 254,690 |
| Baker | 21,498 | 22,388 | 22,641 | 23,105 | 23,472 | 24,069 | 23,980 | 25,216 | 25,692 | 25,905 | 26,049 |
| Bay | 147,075 | 148,692 | 150,748 | 152,818 | 155,414 | 159,108 | 162,499 | 166,160 | 167,881 | 168,817 | 169,955 |
| Bradford | 25,767 | 26,110 | 26,136 | 26,649 | 27,084 | 27,865 | 28,195 | 28,685 | 29,131 | 29,304 | 29,108 |
| Brevard | 469,515 | 478,541 | 487,131 | 497,429 | 510,622 | 524,046 | 534,596 | 545,460 | 553,481 | 557,741 | 555,944 |
| Broward | 1,590,361 | 1,631,445 | 1,654,923 | 1,673,972 | 1,706,363 | 1,730,580 | 1,746,603 | 1,755,392 | 1,767,538 | 1,775,101 | 1,748,279 |
| Calhoun | 12,863 | 13,038 | 13,101 | 13,286 | 13,491 | 13,636 | 14,011 | 14,192 | 14,545 | 14,688 | 14,309 |
| Charlotte | 139,032 | 142,357 | 145,481 | 149,486 | 152,865 | 158,006 | 153,788 | 161,731 | 165,061 | 166,473 | 166,298 |
| Citrus | 116,208 | 118,689 | 121,078 | 123,704 | 126,475 | 129,822 | 133,472 | 137,690 | 140,652 | 142,143 | 143,857 |
| Clay | 137,357 | 141,331 | 144,161 | 151,746 | 157,325 | 164,868 | 171,118 | 178,922 | 186,014 | 189,667 | 185,678 |
| Collier | 242,408 | 254,571 | 267,632 | 281,148 | 295,848 | 309,369 | 320,859 | 327,945 | 335,235 | 340,589 | 332,204 |
| Columbia | 55,446 | 56,683 | 57,354 | 58,537 | 59,218 | 60,821 | 61,744 | 64,052 | 65,658 | 66,429 | 67,161 |
| Dade | 2,219,329 | 2,262,902 | 2,292,316 | 2,320,465 | 2,354,404 | 2,388,138 | 2,432,276 | 2,442,170 | 2,466,645 | 2,478,585 | 2,477,019 |
| Desoto | 31,436 | 32,404 | 32,741 | 32,959 | 33,912 | 34,220 | 32,391 | 33,353 | 34,086 | 34,294 | 34,893 |
| Dixie | 13,559 | 13,883 | 14,154 | 14,530 | 14,768 | 15,054 | 15,482 | 15,715 | 15,826 | 15,927 | 16,080 |
| Duval | 767,860 | 782,691 | 797,566 | 813,817 | 829,937 | 843,772 | 865,965 | 883,875 | 900,608 | 908,378 | 908,562 |
| Escambia | 292,937 | 294,911 | 297,321 | 300,421 | 304,165 | 308,068 | 303,240 | 310,617 | 311,701 | 311,924 | 314,698 |
| Flagler | 47,559 | 50,620 | 53,881 | 58,004 | 62,511 | 71,004 | 80,559 | 90,663 | 94,199 | 96,912 | 95,214 |
| Franklin | 9,710 | 9,871 | 9,974 | 10,250 | 10,530 | 10,682 | 10,909 | 12,082 | 12,257 | 12,286 | 12,427 |
| Gadsden | 45,312 | 45,070 | 45,419 | 46,073 | 46,600 | 46,965 | 47,883 | 48,380 | 49,630 | 50,152 | 51,430 |
| Gilchrist | 13,980 | 14,533 | 14,759 | 15,140 | 15,637 | 16,016 | 16,303 | 16,812 | 17,171 | 17,375 | 17,502 |
| Glades | 10,407 | 10,595 | 10,624 | 10,675 | 10,759 | 10,763 | 10,743 | 10,849 | 11,113 | 11,301 | 11,520 |
| Gulf | 13,559 | 14,785 | 15,101 | 15,290 | 15,691 | 16,235 | 16,543 | 16,565 | 16,875 | 17,001 | 16,885 |
| Hamilton | 12,831 | 13,457 | 13,792 | 13,952 | 14,039 | 14,346 | 14,319 | 14,571 | 14,725 | 14,763 | 14,769 |
| Hardee | 26,543 | 26,952 | 27,021 | 27,474 | 27,434 | 27,898 | 27,277 | 27,240 | 27,574 | 27,650 | 28,359 |
| Hendry | 35,608 | 36,300 | 36,256 | 36,174 | 36,739 | 37,800 | 38,610 | 38,870 | 39,846 | 40,295 | 41,997 |
| Hernando | 128,733 | 131,298 | 133,497 | 137,613 | 141,574 | 146,118 | 152,049 | 158,441 | 163,035 | 165,329 | 166,850 |
| Highlands | 85,892 | 87,676 | 88,373 | 89,343 | 90,770 | 92,456 | 93,807 | 97,336 | 98,987 | 99,760 | 100,834 |
| Hillsborough | 978,079 | 1,005,808 | 1,034,164 | 1,062,140 | 1,085,318 | 1,114,774 | 1,137,583 | 1,171,585 | 1,197,312 | 1,209,978 | 1,202,309 |
| Holmes | 18,371 | 18,620 | 18,713 | 18,746 | 18,983 | 19,027 | 19,189 | 19,525 | 19,432 | 19,406 | 19,943 |
| Indian River | 110,142 | 113,755 | 116,291 | 118,884 | 121,887 | 127,831 | 130,849 | 136,546 | 140,469 | 142,452 | 141,926 |
| Jackson | 46,050 | 46,998 | 47,534 | 47,963 | 49,218 | 48,891 | 49,883 | 50,286 | 50,482 | 51,106 | 53,663 |

Table A. (Continued) Florida Population by Year and County, 1999-2009, (Source - Florida CHARTS; accessed February 2010)

| County | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Jefferson | 13,307 | 12,874 | 13,107 | 13,329 | 13,618 | 14,110 | 14,265 | 14,390 | 14,513 | 14,562 | 14,732 |
| Lafayette | 6,703 | 7,061 | 7,076 | 7,245 | 7,394 | 7,559 | 8,064 | 8,092 | 8,273 | 8,571 | 8,981 |
| Lake | 204,152 | 212,823 | 222,988 | 233,622 | 242,919 | 254,246 | 265,716 | 279,583 | 288,078 | 293,216 | 292,605 |
| Lee | 430,644 | 444,151 | 459,278 | 481,014 | 499,387 | 526,157 | 555,874 | 594,219 | 620,778 | 634,660 | 620,966 |
| Leon | 236,658 | 240,631 | 245,070 | 249,744 | 256,921 | 265,258 | 272,749 | 272,573 | 272,938 | 273,741 | 275,369 |
| Levy | 33,759 | 34,626 | 35,325 | 36,197 | 36,856 | 37,691 | 38,136 | 39,277 | 40,219 | 40,677 | 41,064 |
| Liberty | 6,967 | 7,045 | 7,145 | 7,165 | 7,248 | 7,372 | 7,623 | 7,784 | 7,763 | 7,767 | 8,580 |
| Madison | 18,596 | 18,775 | 18,878 | 18,974 | 19,183 | 19,564 | 19,738 | 19,846 | 19,960 | 20,018 | 20,266 |
| Manatee | 259,039 | 265,701 | 272,342 | 279,366 | 288,888 | 297,037 | 306,557 | 309,952 | 317,395 | 321,323 | 318,765 |
| Marion | 253,235 | 260,407 | 265,629 | 273,602 | 284,232 | 295,550 | 307,646 | 317,755 | 326,791 | 331,843 | 330,749 |
| Martin | 124,952 | 127,430 | 129,415 | 132,009 | 135,280 | 138,329 | 141,871 | 142,859 | 143,914 | 144,736 | 143,588 |
| Monroe | 79,875 | 79,721 | 80,850 | 81,030 | 80,473 | 81,336 | 82,628 | 80,055 | 78,729 | 78,157 | 75,213 |
| Nassau | 56,022 | 58,037 | 59,452 | 61,643 | 63,523 | 65,478 | 66,019 | 68,662 | 69,745 | 70,447 | 73,732 |
| Okaloosa | 167,880 | 171,264 | 174,228 | 178,036 | 182,020 | 186,744 | 189,766 | 193,668 | 197,164 | 198,884 | 196,622 |
| Okeechobee | 35,452 | 35,998 | 36,211 | 36,715 | 37,377 | 38,153 | 37,752 | 38,821 | 39,038 | 39,116 | 40,133 |
| Orange | 864,197 | 906,000 | 936,749 | 962,531 | 989,962 | 1,021,215 | 1,050,939 | 1,087,172 | 1,109,714 | 1,123,324 | 1,115,169 |
| Osceola | 166,024 | 174,107 | 182,202 | 197,901 | 213,723 | 228,755 | 237,659 | 259,521 | 267,510 | 273,266 | 277,731 |
| Palm Beach | 1,107,053 | 1,137,532 | 1,160,977 | 1,190,653 | 1,218,508 | 1,249,598 | 1,272,335 | 1,290,600 | 1,295,586 | 1,302,077 | 1,289,159 |
| Pasco | 337,348 | 346,882 | 354,196 | 364,900 | 378,085 | 392,507 | 410,758 | 427,594 | 435,913 | 441,188 | 437,880 |
| Pinellas | 917,331 | 923,308 | 930,602 | 935,274 | 941,435 | 944,966 | 948,925 | 947,122 | 942,911 | 940,645 | 932,909 |
| Polk | 475,268 | 487,183 | 498,011 | 504,381 | 514,247 | 531,472 | 545,064 | 570,067 | 583,315 | 589,784 | 584,978 |
| Putnam | 70,029 | 70,532 | 70,929 | 71,481 | 72,114 | 73,435 | 73,897 | 74,549 | 74,816 | 74,903 | 74,777 |
| Saint Johns | 118,249 | 124,613 | 129,880 | 135,467 | 141,216 | 151,114 | 159,168 | 167,553 | 175,521 | 179,857 | 186,142 |
| Saint Lucie | 189,330 | 194,062 | 199,390 | 205,396 | 213,614 | 228,480 | 243,061 | 263,319 | 273,868 | 279,469 | 274,460 |
| Santa Rosa | 115,333 | 118,605 | 122,252 | 125,947 | 129,842 | 134,761 | 137,245 | 142,004 | 142,094 | 142,991 | 145,579 |
| Sarasota | 319,980 | 328,135 | 335,428 | 341,784 | 350,664 | 360,214 | 370,123 | 381,828 | 388,641 | 392,262 | 391,997 |
| Seminole | 357,714 | 368,231 | 380,763 | 389,549 | 396,934 | 405,565 | 413,937 | 422,288 | 426,364 | 429,244 | 423,947 |
| Sumter | 50,539 | 54,203 | 58,083 | 61,979 | 63,522 | 67,221 | 75,660 | 84,687 | 90,996 | 94,125 | 96,033 |
| Suwannee | 34,226 | 35,091 | 35,744 | 35,815 | 37,479 | 37,863 | 38,319 | 39,008 | 39,816 | 40,773 | 42,181 |
| Taylor | 19,264 | 19,297 | 19,594 | 19,878 | 20,794 | 20,977 | 21,395 | 21,696 | 22,721 | 23,062 | 23,701 |
| Union | 13,335 | 13,473 | 13,660 | 13,786 | 13,793 | 14,752 | 15,135 | 15,160 | 15,865 | 16,112 | 16,157 |
| Volusia | 436,218 | 445,676 | 453,840 | 462,377 | 473,185 | 486,874 | 497,224 | 505,317 | 508,468 | 511,094 | 508,844 |
| Wakulla | 21,917 | 23,150 | 23,936 | 24,340 | 25,141 | 25,692 | 27,193 | 28,727 | 29,632 | 30,575 | 31,931 |
| Walton | 39,387 | 40,990 | 43,270 | 46,052 | 47,472 | 51,167 | 54,218 | 56,199 | 57,318 | 58,264 | 58,046 |
| Washington | 20,850 | 21,069 | 21,516 | 21,702 | 21,987 | 22,534 | 23,255 | 23,179 | 23,876 | 24,307 | 25,600 |

Table B. Florida Population by Age Group, 2009

| Age Group | 2009 |
|------------------|-------------------|
| < 1 | 227,360 |
| 1-4 | 909,441 |
| 5-9 | 1,137,318 |
| 10-14 | 1,148,339 |
| 15-17 | 727,914 |
| 18-19 | 475,228 |
| 20-24 | 1,210,398 |
| 25-29 | 1,165,740 |
| 30-34 | 1,116,001 |
| 35-39 | 1,179,711 |
| 40-44 | 1,259,170 |
| 45-49 | 1,361,401 |
| 50-54 | 1,312,357 |
| 55-59 | 1,201,967 |
| 60-64 | 1,084,043 |
| 65-69 | 879,955 |
| 70-74 | 732,260 |
| 75-79 | 639,798 |
| 80-84 | 526,308 |
| 85+ | 524,289 |
| Total | 18,818,998 |

Table C. Florida Population by Gender, 2009

| Gender | 2009 |
|---------------|-------------------|
| Male | 9,225,158 |
| Female | 9,593,840 |
| Total | 18,818,998 |

Table D. Florida Population by Race, Aggregated to White, Black, and Other Non-White, 2009

| Race | 2009 |
|-----------------|-------------------|
| White | 15,180,146 |
| Black | 3,101,145 |
| Other Non-White | 537,707 |
| Total | 18,818,998 |

List of Reportable Diseases and Conditions in Florida, 2009

Section 381.0031 (1,2), Florida Statutes, provides that “Any practitioner, licensed in Florida to practice medicine, osteopathic medicine, chiropractic, naturopathy, or veterinary medicine, who diagnoses or suspects the existence of a disease of public health significance shall immediately report the fact to the Department of Health.” County health departments serve as the Department’s representative in this reporting requirement. Furthermore, this Section provides that “Periodically the Department shall issue a list of diseases determined by it to be of public health significance...and shall furnish a copy of said list to the practitioners...”. This list reflects diseases and conditions that were reportable in 2009. However, additional updates will be made in future years and Annual Morbidity Reports for subsequent years will reflect changes in the list.

| | |
|--|---|
| Acquired Immune Deficiency Syndrome (AIDS) | Malaria |
| Amebic encephalitis | Measles (Rubeola) |
| Anthrax | Melioidosis |
| Arsenic Poisoning | Meningitis (bacterial, cryptococcal, mycotic) |
| Botulism | Meningococcal Disease (includes meningitis and meningococemia) |
| Brucellosis | Mercury Poisoning |
| California serogroup virus (neuroinvasive and non-neuroinvasive) | Mumps |
| Campylobacteriosis | Neurotoxic Shellfish Poisoning |
| Cancer (except non-melanoma skin cancer, and including benign and borderline intracranial and CNS tumors) | Pertussis |
| Carbon Monoxide Poisoning | Pesticide-Related Illness and Injury |
| Chancroid | Plague |
| Chlamydia | Poliomyelitis |
| Cholera | Psittacosis (Ornithosis) |
| Ciguatera fish poisoning (Ciguatera) | Q Fever |
| Congenital anomalies | Rabies (human, animal) |
| Conjunctivitis (in neonates \leq 14 days old) | Rabies (possible exposure) |
| Creutzfeldt-Jakob Disease (CJD) | Ricin toxicity |
| Cryptosporidiosis | Rocky Mountain spotted fever |
| Cyclosporiasis | Rubella (including congenital) |
| Dengue | St. Louis encephalitis (SLE) virus disease (neuroinvasive and non-neuroinvasive) |
| Diphtheria | Salmonellosis |
| Eastern equine encephalitis virus disease (neuroinvasive and non-neuroinvasive) | Saxitoxin Poisoning (including paralytic shellfish poisoning) |
| Ehrlichiosis/Anaplasmosis [human granulocytic (HGA), human monocytic (HME), human other or unspecified agent] | Severe Acute Respiratory Syndrome-associated <i>Coronavirus</i> (SARS-CoV) disease |
| Encephalitis, other (non-arboviral) | Shigellosis |
| Enteric diseases due to: <i>Escherichia coli</i> , O157:H7 <i>Escherichia coli</i> , Other (known serotypes) | Smallpox |
| Giardiasis | <i>Staphylococcus aureus</i> (with intermediate or full resistance to vancomycin, VISA, VRSA) |
| Glanders | <i>Staphylococcus aureus</i> , methicilin resistant (MRSA), community associated mortalities |
| Gonorrhea | <i>Staphylococcus enterotoxin B</i> |
| Granuloma Inguinale | Streptococcal Disease (invasive, Group A) |
| <i>Haemophilus influenzae</i> (meningitis and invasive disease) | <i>Streptococcus pneumoniae</i> (invasive disease) |
| Hansen’s Disease (Leprosy) | Syphilis |
| Hantavirus infection | Tetanus |
| Hemolytic Uremic Syndrome | Toxoplasmosis (acute) |
| Hepatitis A | Trichinosis |
| Hepatitis B, C, D, E, and G | Tuberculosis |
| Hepatitis B surface antigen (HBsAg) positive in a pregnant woman or a child \leq 24 months of age | Tularemia |
| Herpes Simplex Virus (HSV) [in Infants to 6 months of age; anogenital in children \leq 12 yrs] | Typhoid Fever |
| Human Immunodeficiency Virus (HIV) | Typhus Fever (epidemic and endemic) |
| Human papillomavirus (HPV) [in children \leq 6 years; anogenital in children \leq 12 yrs, cancer associated strains] | Vaccinia Disease |
| Influenza due to novel or pandemic strains | Varicella (chickenpox) |
| Influenza-associated pediatric mortality (in persons aged $<$ 18 yrs) | Varicella mortality |
| Lead Poisoning | Venezuelan equine encephalitis virus disease (neuroinvasive and non-neuroinvasive) |
| Legionellosis | Vibriosis (<i>Vibrio</i> infections) |
| Leptospirosis | Viral hemorrhagic fevers (Ebola, Marburg, Lassa, Machupo) |
| Listeriosis | West Nile virus disease (neuroinvasive and non-neuroinvasive) |
| Lyme Disease | Western equine encephalitis virus disease (neuroinvasive and non-neuroinvasive) |
| Lymphogranuloma Venereum (LGV) | Yellow Fever |
| | Any disease outbreak |
| | Any grouping or clustering |

Selected Florida Department of Health Contacts

Division of Disease Control

| | |
|--|--------------------------------------|
| Bureau of Epidemiology | (850) 245-4401 (accessible 24/7/365) |
| Bureau of Immunization | (850) 245-4342 |
| Bureau of HIV/AIDS | (850) 245-4334 |
| Bureau of Sexually Transmitted Disease Prevention and Control | (850) 245-4303 |
| Bureau of Tuberculosis and Refugee Health | (850) 245-4350 |

Division of Environmental Health

| | |
|--|----------------|
| Bureau of Environmental Public Health Medicine | (850) 245-4277 |
|--|----------------|