

MISSION: To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.



Collier County Health Department

A N N U A L R E P O R T



A Message from the Director...



As your Collier County Health Department Director, I am pleased to share our Annual Report with you. The Report is an overview of the different services we provide at our sites in Naples, Golden Gate and Immokalee in 2011. The Health Department, much like most businesses, has been working diligently to continue to provide essential services, while experiencing significant revenue and funding cuts. We are committed to making sure every dollar goes toward cost effective programs that make a difference in the health of our community. I am confident that as you read through this report, you will see that each of our programs contributes significantly to making Collier County a healthier place to live, work and play. We accomplish this mission with wonderful staff, many who are noted below for their outstanding achievements.

Sincerely,

Joan M. Colfer, M.D., M.P.H.

Joan M. Colfer, MD., M.P.H.
Director

.....

Awards Received by Staff in 2011

• The Immokalee Clinic Administrator, Nancy Frees, was selected as the “Florida Migrant Health Professional of the Year” by the Title I Migrant Education Program. Ms. Frees has been an advocate for migrant health over much of her 31 years of service to the health department. She has championed raising the quality of migrant housing. • Dr. Allison Nist, M.D., our Senior Physician, earned the “2011 Statewide Community Healthcare Pioneer” award given to one individual in Florida who has positively impacted health disparity. Dr. Nist’s outstanding dedication to working with HIV/AIDS over the past two and a half decades made her an obvious choice for this exceptional award. • Stephanie Vick, MS, BSN, RN won the “Outstanding Public Health Leadership Award”. Ms. Vick, our Executive Community Health Nursing Director, is credited with demonstrating superior leadership skills in many public health efforts including quality improvement, creating a strategic business plan for the Dental Program which significantly increased the number of patients the clinic could treat and a successful H1N1 immunization campaign which protected over a third of the people living in Collier County. • Ann O’Hara, MSN, RN, a Nursing Program Specialist, was chosen by the Florida Association of Public Health Nurses as the “Public Health Nurse of the Year”. Under her tutelage, the immunizations rates have increased for refugee and adult health populations. • Jennifer Smith, SWAT (Students Working Against Tobacco) Coordinator for our Tobacco Control Program, was awarded the “Bob Graham Distinguished Service Award” as a Community Supporter. This award is given to someone with a truly giving nature who has made the community college they support a better place. • Pat Gulley, R.N., received the “Lifetime Achievement in Healthcare Award” which honors a healthcare leader who has left a legacy of quality and delivery of healthcare for SWFL. Ms. Gulley dedicated over 24 years of her life to public health, especially in improving pregnancy and birth outcomes in our county.

Many of our staff earn “Davis Productivity Awards” each year. These awards are presented by the State to individuals and work teams who contribute to efficiency, cost savings and best business practices. While these awards outline outstanding achievement, we have many more unsung heroes, on staff , dedicated to improving health in our community.



OUR MISSION

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.

OUR VISION

Healthiest State in the Nation



OUR VALUES

Innovation: We search for creative solutions and manage resources wisely.

Collaboration: We use team work to achieve common goals & solve problems.

Accountability: We perform with integrity & respect.

Responsiveness: We achieve our mission by serving our customers & engaging our partners.

Excellence: We promote quality outcomes through learning & continuous performance improvement.

Table of Contents

Caring

Women, Infants and Children
Immunizations
Child Care Consultation Services

5

Committed

Epidemiology
Limited Use Water Program
Sewage Treatment and Septic Program
Environmental Health Facilities
Public Swimming Pools
Beach Water Monitoring Program

6-8

Helping

Dental
Tobacco
Immokalee Migrant Housing
Adult Health
Tuberculosis
HIV/Hepatitis
Sexually Transmitted Diseases

9-12

Dedicated

Healthy Start
Florida KidCare
School Health Services
Healthy Communities
Smart Growth
Disaster Preparedness

13-15

Leadership

Medical Reserve Corps
Physician Led Access Network
Sustaining Excellence

16-18



Caring

WOMEN, INFANTS AND CHILDREN (WIC)

The Women, infants and Children (WIC) Program is funded by the U.S. Department of Agriculture (USDA) and administered in Florida by the Department of Health. Eligibility is based upon both income and nutrition risk. The WIC Program provides nutrition education and healthcare referrals to pregnant, postpartum and breastfeeding women; infants; and children up to age five. The Collier WIC Program served an average monthly caseload of 10,763 clients in Federal Fiscal Year 2011. A total of 351,409 food vouchers were issued for the year, providing healthy foods for participants and contributing \$6.13 million to the local economy.



IMMUNIZATIONS

Of the 26,271 immunizations provided from January 1, 2011 to December 31, 2011, 20,883 were provided in the pediatric immunization clinics located in Naples and Immokalee.

After evaluating the community's availability of easy access to obtain the influenza vaccine through pharmacies throughout Collier County, we limited our outreach to Long Term Care and Adult Living Facilities in need of our services. We also had influenza and pneumonia vaccines available at clinic locations in Naples and Immokalee. A total of 1,532 doses of seasonal influenza were administered by CCHD staff. We were able to obtain free Flu vouchers from a Walgreen's program that we distributed to individuals who were uninsured or underinsured in our county.



CHILD CARE CONSULTATION SERVICES

A registered nurse provides services to child care personnel and parents through a contract with the Early Learning Coalition of Southwest Florida. She provides parent and staff consultations and trainings in Collier, Glades, Hendry and Lee counties. The program provided 55 trainings and 325 consultations in FY 2010-2011. Trainings and consultations include a wide variety of topics including disaster preparation, nutrition, illness prevention, child abuse and injury prevention, reportable diseases and management of a chronic health condition in a child center. This registered nurse also works collaboratively with related community organizations such as the Safe and Healthy Children's Coalition, the Department of Children and Families, the Ronald McDonald Van and the Early Childhood Network to enhance service provision to child care centers.



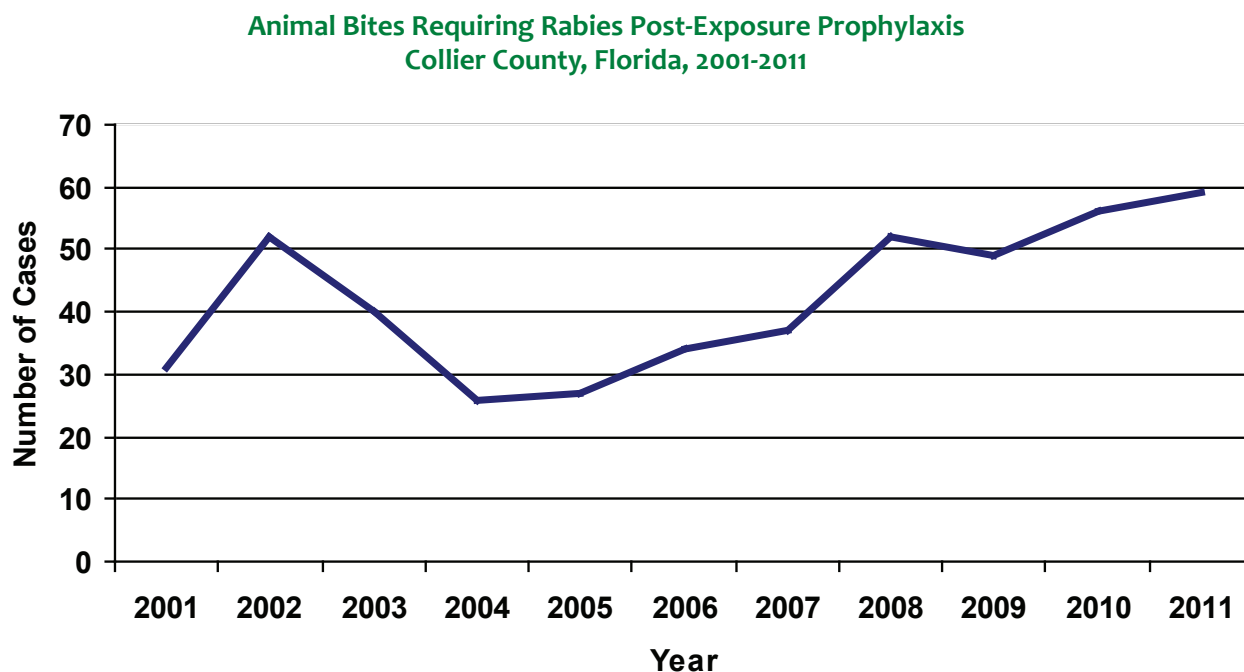


Committed

EPIDEMIOLOGY

The Epidemiology and Health Assessment Program reported 1,161 communicable diseases and health conditions during 2011. In addition, 2,200 non-reportable lab results were assessed and reviewed and 522 additional cases were investigated that were not reportable by law. The diseases and conditions, excluding sexually-transmitted diseases, of highest incidence in Collier County were: Salmonellosis, Campylobacteriosis, Animal Bites requiring Rabies Post-Exposure Prophylaxis, Giardiasis, Varicella, Tuberculosis, Pertussis, Streptococcus Pneumonia (invasive), Hepatitis B Surface Antigen in pregnant women, Shigellosis and Escherichia Coli.

- During 2011, Collier County experienced an increase of reported Pertussis cases of over 200 percent, from 6 cases in 2010 to 19 cases in 2011. Sixteen percent of these cases were under 18 years of age. The number of animal bites requiring rabies post-exposure prophylaxis increased from 56 to 59 during this period. Animal rabies was found in 2 bats in Collier County in 2011.
- Due to Collier County's unique southwest location in the state, it is not unusual to experience imported cases of infectious diseases on an annualized basis. In 2011, the Collier County Health Department reported 2 imported cases of Malaria; both cases were acquired in other countries.



Between 2001 and 2011, the number of animal bites requiring rabies post-exposure vaccine increased by over 90%



Committed

LIMITED USE WATER PROGRAM

This program deals with Limited Use Public Water Systems (public water systems which are not covered by the Safe Drinking Water Act), multi-family water systems and private water systems. It includes setback standards for private water systems, construction standards for multi-family water systems, and construction and operation standards for limited use public water systems. The program is implemented at the local level by the Health Department. In 2011, there were 127 facilities permitted and inspected.



ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM (SEPTIC) PROGRAM

The septic program works to monitor and standardize the construction of septic installations to ensure that the minimum standards of construction are met so that the integrity of the water supply keeps harmful pathogens from entering the public's water system. In 2011, there were 917 permits issued for construction, repair, and abandonment inspections.



ENVIRONMENTAL HEALTH FACILITIES

- Our Food Hygiene Program issued permits and inspected 213 food facilities which included public and inspected 213 food facilities which included public and private schools, assisted living facilities and civic and fraternal organizations. This program is designed to minimize the risk of food-borne illness.
- Our Group Care Program inspected the sanitation and safety conditions of 200 facilities which included public and private schools and assisted living facilities.
- In 2011, The Biomedical Waste Program was responsible for permitting, inspecting and monitoring 650 facilities, such as physician's offices; that generate, transport, and/or store biomedical waste.
- Permits were issued and inspections conducted at 14 tanning facilities and 45 mobile home and recreational parks throughout Collier County.



Committed

PUBLIC SWIMMING POOL OPERATION & INSPECTION PROGRAM

The Environmental Health and Engineering staff performed inspections at the 1,577 permitted public swimming pools and spas which serve housing subdivisions, lodging facilities, apartment complexes, municipal facilities and condominium complexes throughout Collier County. Re-inspections are performed as necessary. Collected water samples are analyzed for compliance with safe bacteriological standards, chlorine residual and pH level water quality standards. Pumps and other circulation equipment, as well as maintenance equipment are inspected to assure proper water treatment. Safety equipment and safety conditions are checked at each facility to provide assurance that permitted swimming facilities provide a healthy and safe environment for the bathers.



BEACH MONITORING PROGRAM

The “Healthy Beaches” Monitoring Program continues to provide bi-weekly beach water quality data from 10 of Collier County’s beaches. The water is tested for the presence of fecal coliform and enterococcus bacteria. Beach monitoring data is available to the public via telephone at 1-941-BEACHES (1-941-232-2437). Additionally, the Environmental Health staff partners with the County to collect water samples from 5 sites which are used to monitor and identify occurrences of Red Tide and alert the public through the website www.redtideonline.com.



Helping



DENTAL

The Collier County Health Department Dental Clinic completed a renovation of the dental clinic in early 2011, following a leak in a county office which flooded the dental suite.

As part of the renovation, the clinic added 2 additional dental chairs for a total of 7 treatment areas. With 10,126 patient visits and 37,456 services administered in 2011, this state-of-the-art facility can now provide an increased volume of services to more residents and continues to make a monumental impact on the oral health of adults and children throughout Collier County.

The Tooth Fairy/Oral Health Education Program reached 10,984 parents, students and children in 2010 and 2,379 in 2011. The Tooth Fairy/Oral Health Educator maintains a website with information available to teachers and other interested individuals. The information is available at http://www.collierhealthdept.org/oral_health_education.html. The tooth Fairy offers limited appearances at local health fairs and events and is available to provide oral health education information.





Helping

TOBACCO

Tobacco use is the single, most preventable cause of disease, disability, and death in the United States. According to the 2010 Florida Youth Tobacco Survey, 1 in 6 youth in Collier County between the ages of 11 and 17 have tried flavored tobacco. Candy and fruit flavors such as orange, chocolate, cherry, and sour apple mask the taste of tobacco, making it more marketable to youth. The Tobacco-Free Collier Partnership has worked diligently to educate parents, community members, and decision makers on flavored tobacco marketing tactics used by the tobacco industry to target youth and young adults. As a result, the Collier County Board of County Commissioners and Naples City Council each passed a resolution that urges tobacco retailers to restrict the sale of candy flavored tobacco products.

Nearly 90% of adult smokers began at or before the age of 18. This alarming statistic has made it clear our work is not done. The Tobacco-Free Collier Partnership will continue to form community partnerships with individuals and agencies to engage the citizens of Collier County regarding tobacco prevention, cessation, and policy change. We will also mobilize members of our Students Working Against Tobacco clubs to generate awareness about how “Big Tobacco” gets youth addicted to their deadly products. Above all, we are committed to saving lives and through advocating for issues such as, restricting flavored tobacco sales to take a stand against the tobacco industry and their manipulative tactics to recruit lifetime users.



TOBACCO-FREE
COLLIER PARTNERSHIP



IMPROVED MIGRANT HOUSING

The Collier County migrant housing program continues to be the largest migrant housing program in the State of Florida. With the continued support of the Board of County Commissioners, the Collier County Health Department has eliminated 100% of the substandard migrant housing that was identified in 2006, following hurricane Wilma.

The migrant housing inspection completion rate was also the highest in the State at 100%. During 2011, 1,500 migrant housing inspections were conducted to ensure safe living conditions for the area's migrant population.



Helping

ADULT HEALTH

In order to protect the health of the entire community, the Adult Health Clinic provides services to individuals to prevent, identify and treat communicable diseases. A range of quality services are provided by staff, many of whom are bi-lingual. Our services include:

- Routine immunizations are provided to clients aged 19 and over. Our clinic assists financially qualified patients who apply for the vaccine assistance program to help offset the cost of immunizations.
- Testing and treatment for Tuberculosis.
- Treatment of HIV/AIDS through regular medical evaluation and case management. Through comprehensive treatment and new medication options, our HIV/AIDS clients are living healthier and more productive lives. Of the 140 clients on ADAP (AIDS Drug Assistance Program), 87% have undetectable levels of the Human Immunodeficiency Virus (HIV). These medications improve their health while reducing the likelihood of transmitting the disease to others.
- Screening and treatment for sexually transmitted diseases.
- In 2011, the clinic provided screenings for communicable diseases, physical examinations, immunizations and referrals for over 500 newly arrived refugees in the United States.



TUBERCULOSIS PROGRAM

The Tuberculosis Program had 33 active cases in 2010 and 22 active cases in 2011. We continue to use videophone technology for Directly Observed Therapy (DOT) on some of the Naples area TB suspects/cases and some Latent-Tuberculosis Infectious (LTBI) clients (those that have evidence of exposure to TB, but have no actual disease).

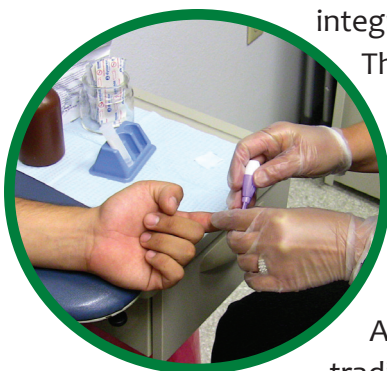


Helping

HIV/HEPATITIS

Counseling and testing are the backbone of HIV, Hepatitis and Sexually Transmitted Disease (STD) prevention efforts within the community. In an effort to increase the number of persons tested in an environment of diminishing resources, the Collier County Health Department integrated three testing programs and initiated a new HIV/Hepatitis/STD counseling and testing clinic in October 2011.

The new clinic offers:



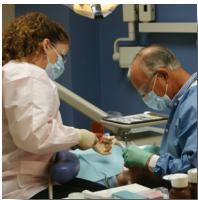
- HIV/AIDS rapid testing
- Hepatitis screening
 - Gonorrhea, Chlamydia and Syphilis testing

As a further expansion of our HIV/AIDS testing initiatives, synergistic collaboration was developed with the AIDS HealthCare Foundation Mobile Unit. This mobile unit allows for HIV/AIDS testing interventions in non-traditional settings and at high-risk areas throughout the country. During 2011, the HIV/AIDS & Hepatitis Program sponsored several national awareness days providing free HIV/AIDS, STD and Hepatitis testing. **We tested approximately 1,984 clients for HIV/AIDS and administered 692 Hepatitis vaccines.** In addition to counseling and testing, the Collier County Health Department provides case management services for HIV-positive individuals. This service is important to link our clients to supportive services such as housing, prescription drug assistance programs, as well as insurance assistance.

STD PROGRAM

In 2011, the Sexually Transmitted Disease program conducted 112 outreach screenings and education events throughout the community, including the Department of Juvenile Justice (to test the at-risk population of 15-24 year-olds). More than 50 quality assurance field visits were made to our private providers, local hospitals (NCH and Physician's Regional), Planned Parenthood, Marion E. Fether and FSU. **In 2011, Collier County had a total of 862 reported cases of sexually transmitted disease. Of these cases, 735 were Chlamydia; sixty percent of which were in 15-24 year olds.** Chlamydia continues to be the most common STD found in Collier County. Collier has a low rate of STD morbidity largely due to our efforts in utilizing the 3T's (Talking/education, Testing and Treatment) and directing services to at-risk youth and adults.





Dedicated

HEALTHY START

Healthy Start program goals include:

- Reducing infant mortality
- Reducing low birth weight infants
- Improving developmental outcomes for infants

Services are provided to at risk pregnant women and infants up to age 3. The program is managed by nurses and provides service coordination including home visits, phone calls and facilitating access to community resources. In FY 2010/2011, the Healthy Start Program served 1,364 pregnant women and 739 infants. Examples of clients served are gestational diabetic pregnant women, pregnant and post partum women experiencing depression, teen mothers, premature infants and infants prenatally exposed to drugs. Healthy Start staff work with clients and related community providers to assure a healthy, nurturing and safe home environment for infants.

.....



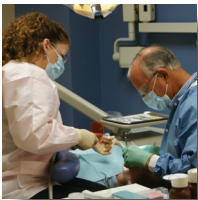
FLORIDA KIDCARE

Florida KidCare is the state children's health insurance program for uninsured children under age nineteen. It includes four different programs: MediKids, Healthy Kids, Children's Medical Services and Medicaid. When an application is submitted, Florida KidCare determines which program a child is eligible for based on age and family income. The Collier County Health Department makes applications available through various community partners, organizations and local health fairs. Currently, **there are almost 254,000 children covered by one of these four programs in Florida, and nearly 6,000 of these children reside in Collier County.** For more information or a KidCare application, call the local hotline at (239) 252-2674. An online application may be completed by visiting the Florida KidCare website at www.floridakidcare.org



Questions?

Call 1-888-540-5437. This is a free call. TTY: 1-877-316-8748



Dedicated

SCHOOL HEALTH SERVICES

The Collier County Health Department provides state mandated health screening services to public and private school children in Collier County on an annual basis. Screening components include vision, hearing, scoliosis and growth/development. Students in kindergarten, grades 1,3 and 6 participate in the screening services required for their particular grade level. In addition, screening is provided to students outside the mandated grades if a child is suspected of having difficulty and is referred by either a teacher or a parent. School Health staff refer children who need further examination after screening and assist families experiencing financial hardships to obtain the necessary services. During the 2010-2011 school year, over 35,550 screening services were provided.

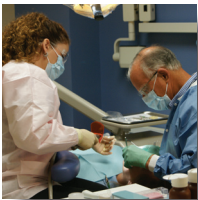


HEALTHY COMMUNITIES



In April 2011, the Collier County Health Department and Smart Growth Coalition collaborated with Florida Gulf Coast University students to create a year-round Farmers Market at the Government Complex. The concept for this market is to bring healthy food access to over 2,000 employees, Collier Area Transit users and local residents. Over the past year, we have conducted three surveys to determine increased consumption of fruits and vegetables since the inception of the Market. Of those surveyed, **over 60% of are now consuming more vegetables and 45% are eating more fruit.** This Farmers Market is only one of three year-round markets found in Collier County and continues to thrive.

“I enjoy getting my fruits and vegetables at the farmers market and have found myself eating much healthier. I also look forward to the great healthy tasting lunches” reported one satisfied patron. **The market is every Friday from 11am to 2pm. Anyone is welcome to attend!**



Dedicated

SMART GROWTH



In 2011, the Smart Growth Coalition, chaired by the Collier County Health Department, worked diligently to develop the *Collier County Healthy Development Checklist*. The checklist provides objectives and measurable guidelines aimed at creating both public infrastructure and private development that allow for healthier outcomes by incorporating accessibility, convenience and safety within an authentic framework. The Healthy Development Checklist encourages walkability, sustainability and connectivity to create a more physically active community. *The way our infrastructure is designed can have direct negative impacts on our health. The percentage of children who walk to school has decreased dramatically over the years due in part in infrastructure design and lack of connectivity.* To learn more about Smart Growth or attend a monthly meeting, please go to www.healthycollier.org.

.....

DISASTER PREPAREDNESS

The Preparedness Education Program developed and launched a new Faith Based Organization (FBO) outreach initiative in 2011. This effort has been extremely successful with *over 90 congregations receiving monthly public health education outreach.* The program also assisted many congregations with Continuity of Operations Planning (COOP) for their facility and organization.

The FBO program compliments the existing Residential Enclave Disaster (RED) Plan. Red Plan participants receive monthly public health education and disaster preparedness outreach and/or training.

One of the most important responsibilities of the Preparedness Program is the development and maintenance of the Collier County Health Department's Emergency Operations Plan (EOP) and Continuity of Operations Plan (COOP). These emergency plans are updated annually.





Leadership



MEDICAL RESERVE CORPS

The Collier County Medical Reserve Corps, (MRC), established in 2003, continues to be managed by our Disaster Preparedness program. Our local unit, comprised of medical and non-medical volunteers is one of 33 community based programs within Florida serving 60 counties. Members can respond to local disaster related events and may assist throughout the year in other public health activities or emergency preparedness drills. Quarterly educational opportunities and training are sponsored for volunteers. For more information please visit our website: www.ccmrc.org.

PHYSICIAN LED ACCESS NETWORK

The physician Led Access Network (PLAN) of Collier County, a Collier County Medical Society initiative, is a community-based referral network that coordinates volunteer medical care for eligible low-income adults in need of specialty healthcare services in the county. Led by physicians, it is a community partnership that brings together physicians, community clinics, hospitals, diagnostic and laboratory facilities, and other healthcare providers through an integrated delivery system of care. The Health Department assures PLAN providers are covered by sovereign immunity under the Florida Department of Health.



PLAN performance highlights:

- In 2011 total unique patients served: 594
- In 2011 total appointments: 2,632
- In 2011 total dollar value of donated care: \$2.7M
- In 2011 total volunteer physician & facilities: 265
- Received 750 referrals
- Began offering primary care services



Leadership

SUSTAINING EXCELLENCE

Collier ranked the healthiest county in Florida in 2010 and 2011. For those two consecutive years, Collier County was identified as the healthiest county to live in out of all 67 counties in Florida. This is outstanding achievement, detailed in the County Health Rankings Report, was determined after extensive data analysis completed by the University of Wisconsin Population Health Institute and funded by the Robert Wood Johnson Foundation.

Achieving the healthiest ranking means, in 2010 and 2011, Collier County was the healthiest place to live, learn, work and play! People living in Collier County tended to enjoy a higher quality and longer life than anywhere else in Florida. The health of a community is determined by much more than what happens inside a doctor's office. The recognition of this stellar achievement belongs to the entire community, as the health of our community depends on every individual, as well as many agencies including healthcare, social service and mental health entities, education and law enforcement.

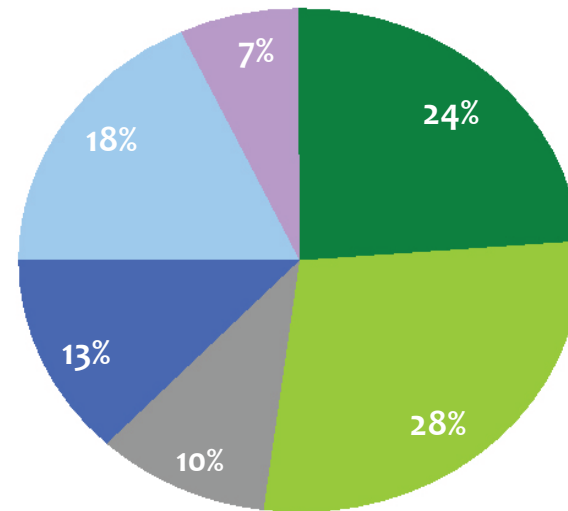
The County Health Rankings Report is intended to help leaders, policy-makers and residents evaluate the health of their community. The rankings provide each county with an opportunity to measure the current health of their community, as well as look for opportunities to continue to improve health status. To optimize the use of the findings from this report, the health department organized "Sustaining Excellence" conferences in 2010 and 2011. Over 100 community leaders and decision makers, from a variety of agencies, met to review the report and brainstorm how, together, we can sustain this excellence. Small groups gathered around tables to discuss data regarding thirteen of the indicators analyzed in the report. Discussions included how the overall health of our community is impacted by:

• tobacco • adult obesity • binge drinking • unsafe sex • access to care • quality of care • education • unemployment • children living in poverty • inadequate social support • community safety • the built environment • mortality

Each discussion group was asked to review the data and propose one primary solution to address the issue. Many innovative solutions were presented and compiled in a Sustaining Excellence Final Report. Discussion groups were encouraged to continue to work on their solutions throughout the year. The Health Department and our partner agencies are committed to working to maintain our outstanding health status in Collier County. Each individual can do their own part to promote the health of our community by choosing healthy behaviors including: eating healthy, exercising, avoiding tobacco, limiting alcohol consumption and driving safely. For more details about the County Health Rankings Report go to www.CountyHealthRankings.org.

Funding Sources

For the State Fiscal Year 2010-2011, the Health Department's annual operating budget was \$14,169,379. During this time period, sources of funding included: Federal (\$3,382,640), State (\$3,996,510) and County (\$1,482,320) dollars, Medicare and Medicaid reimbursement (\$1,901,907) and permits and fees (\$2,481,985). Local grants and partnerships including Healthy Start, Florida Healthy Kids, Early Learning Coalition, Healthy Families, March of Dimes, and others, provided another (\$923,987). Please note that one third or more of the budget was previously funded by the State, however currently, the Health Department's collections through Medicaid, Medicare, permits, and fees now comprise over one third of the budget. Each and every service carried out by the Health Department reflects our mission and vision.



- Federal Funds
- State Funds
- County Funds
- Medicaid & Medicare Funds
- Permits & Fees
- Local Grants and Partnerships

Phone Directory

Collier County Health Department Locations

Naples Main Office

3339 East Tamiami Trail
Naples, Florida 34112
(239) 252-8200 FAX: (239) 774-5653

Immokalee Office

419 N. 1st Street
Immokalee, Florida 34142
(239) 252-7300 FAX: (239) 658-7329

Women Infants and Children (WIC)

East Naples (252-8208)
Golden Gate (353-1274)
Immokalee (252-7310)
Breastfeeding Education
& Support (252-5316)

Health Education

Tobacco Prevention/SWAT
(252-6852)
Smart Growth Coalition
www.HealthyCollier.org
(252-2594)
Disaster Preparedness Education
(252-2631)
www.CollierPrepares.org

Vital Statistics (252-8205)

Epidemiology (252-8226)

Communicable Disease Control

HIV/AIDS patient care and
case management (252-8593)
Rapid HIV testing (252-8593)
Hepatitis A, B & C testing (252-5303)
Adult vaccines (252-8593)
Tuberculosis (252-6007)
Sexually Transmitted Diseases
(252-6837)
Refugee Health (252-2511)

Family and Personal Health

Healthy Start (252-8551)
School Health (252-2564)
Dental Health (252-5314)
Kid Care Outreach (252-2674)
Healthy Families (252-7308)

Medical Reserve Corps (252-6874)

www.ccmrc.org

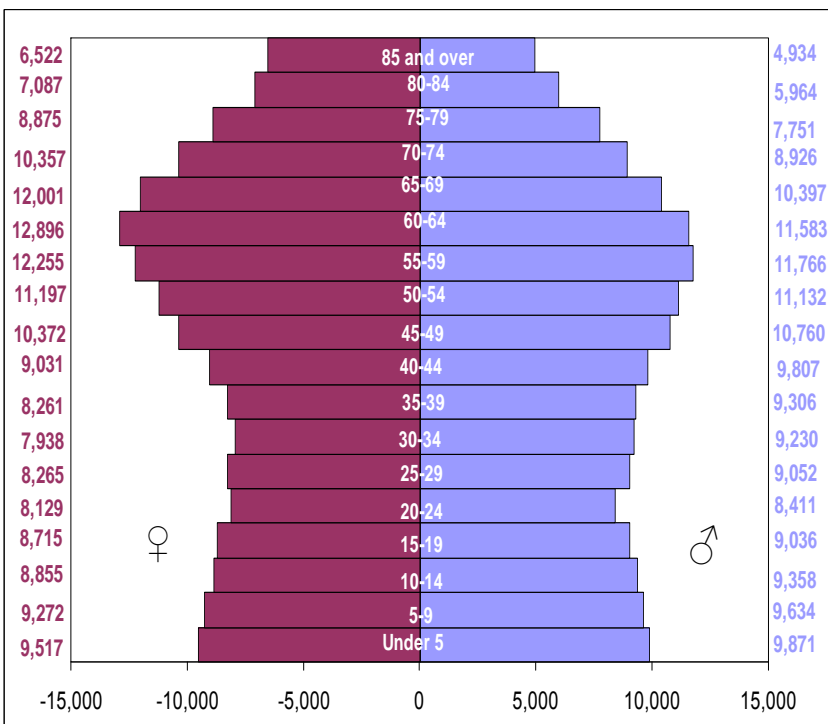
Immunization Services (252-8595)

Immokalee (252-7373)

Environmental Health and Engineering (252-8200)

Collier County Health Profile

Population Pyramid by Sex and Age, Collier County, 2011



Total Female	Total Population 2011	Total Male
169,545	336,463	166,918

White: 309, 929	Black: 21, 619	Hispanic: 87, 611
-----------------	----------------	-------------------

c)

Maternal and Child Health	Collier 2008-2010	Florida 2008-2010
Total Birth Rate (Rate/1,000)	10.6	11.8
Teens (15-19) Birth Rate (Rate/1,000)	36.5	37.0
Low Birth Weight Rate (% of Live Births)	7.4%	8.7%
Percent of Live Births with Late or No Prenatal Care	7.8%	5.1%
Percent of Kindergartners Immunized	94.4%	91.3%

c)

SOURCES: a) U.S. Census Bureau
c) FDOH Charts
b) CCHD
d) CCHD - Epidemiology

Number of Services Provided by Program Component, Collier County Health Department 2010- 2011

Program Component	Number
Immunization	26,405
Sexually Transmitted Disease	6,441
HIV/AIDS	19,559
Tuberculosis	6,130
Communicable Disease Surveillance	6,192
Chronic Disease and Prevention	13,741
Public Health Preparedness	13,760
WIC	111,682
Maternal and Child Health	90,245
School Health	221,333
Adult Health	6,931
Dental Health	27,788
Environmental Health	32,446
Vital Statistics	38,768
Total CCHD Services Provided	621,421

b)

Uninsured 2010	County	State
Percentage of persons < age 65 who are Uninsured	35	27

a)

Socioeconomic Status for Collier County and Florida

	Collier	Florida
Per Capita Income	\$37,046 (2006-2010)	\$26,551 (2006-2010)
Median Household Income	\$58,106 (2006-2010)	\$47,661 (2006-2010)
Percent of Kindergarten Children on Free/Reduced Lunch	69% (2010-2011)	53% (2009-2010)
Percent with High School Diploma	84.8% (2006-2010)	85.3% (2006-2010)
Percent with College Degrees	30.8% (2006-2010)	25.9% (2006-2010)
Unemployment Rate	12.0% (2010)	11.5% (2010)

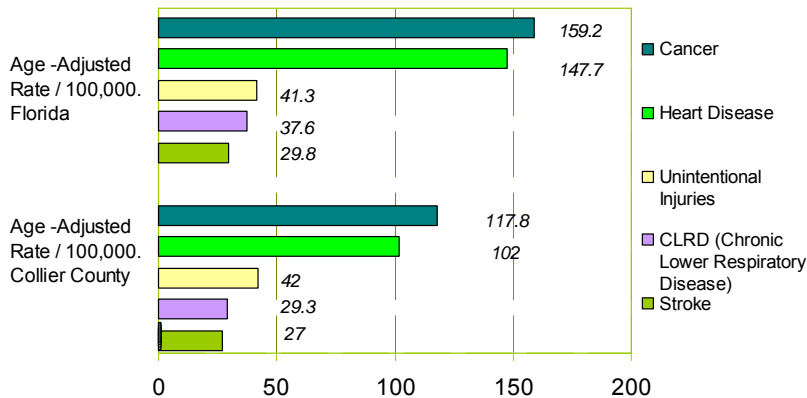
c)

Leading Causes of Death, Collier County, 2010				
Cause of Death	Deaths	Percent of Total Deaths	Age-Adjusted Death Rate Per 100,000	(*)YPLL < 75 Per 100,000 Under 75
ALL CAUSES	2,861	100.0	492.0	5,342.9
CANCER	707	24.7	117.8	1,176.5
HEART DISEASE	652	22.8	102.0	519.4
CHRONIC LOWER RESPIRATORY DISEASE	190	6.6	29.3	138.5
UNINTENTIONAL INJURIES	177	6.2	42.0	969.9
STROKE	177	6.2	27.0	94.5
ALZHEIMER'S DISEASE	153	5.3	22.3	10.9
CHRONIC LIVER DISEASE AND CIRRHOSIS	48	1.7	10.6	234.3
SUICIDE	47	1.6	12.6	341.7
PARKINSON'S DISEASE	44	1.5	6.5	2.0
DIABETES MELLITUS	43	1.5	7.6	90.4
BENIGN NEOPLASM	33	1.2	5.0	14.0
KIDNEY DISEASE	31	1.1	4.9	39.6
SEPTICEMIA	25	0.9	4.2	40.9

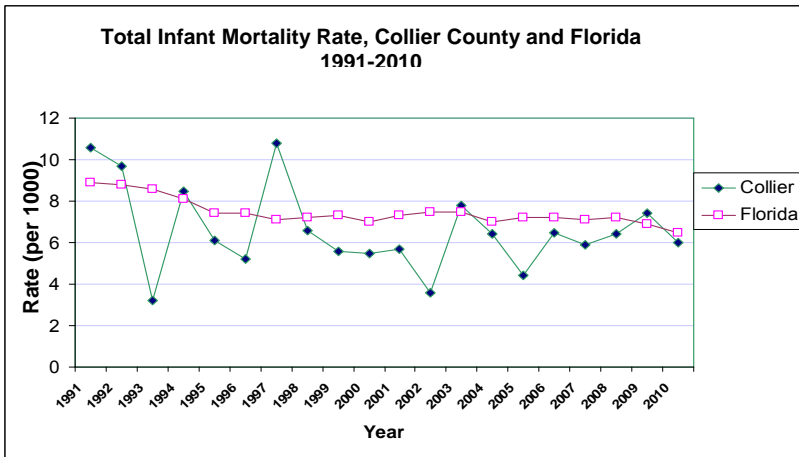
	Collier 2008-2010	Florida 2008-2010
Morbidity and Mortality	3-Year rate/ 100,000	3-Year rate/ 100,000
Years of Potential Life Lost Under 75 yrs	5,702.1	7,658.2
Vaccine Preventable Diseases	3.1	3.9
Chlamydia Cases	221.5	387.0
AIDS Cases	10.1	22.3
Tuberculosis	7.9	4.6
Enteric Diseases	66.4	57.2

c)

Mortality and the Five Leading Causes of Death, Collier County and Florida, 2010



c)



c)

(*) YPLL: Years of Potential Life Lost: A measure of the relative impact of various diseases and lethal forces on society.

SOURCES: a) U.S. Census Bureau b) CCHD
c) FDOH Charts d) CCHD - Epidemiology

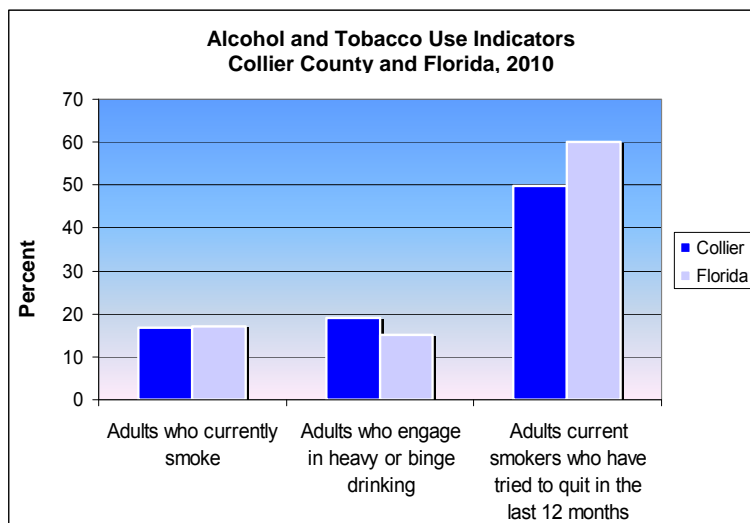
Actual Lifestyle Causes of Death Collier County, 2010

Actual Cause	Number	Percentage
Tobacco	518	18.1
Poor Diet and Physical Inactivity	475	16.6
Alcohol Consumption	101	3.5
Microbial Agents	89	3.1
Toxic Agents	66	2.3
Motor Vehicle Crashes	52	1.8
Firearms	35	1.2
Sexual Behaviors	23	0.8
Illicit Drug Use	20	0.7
Total	1379	48.2

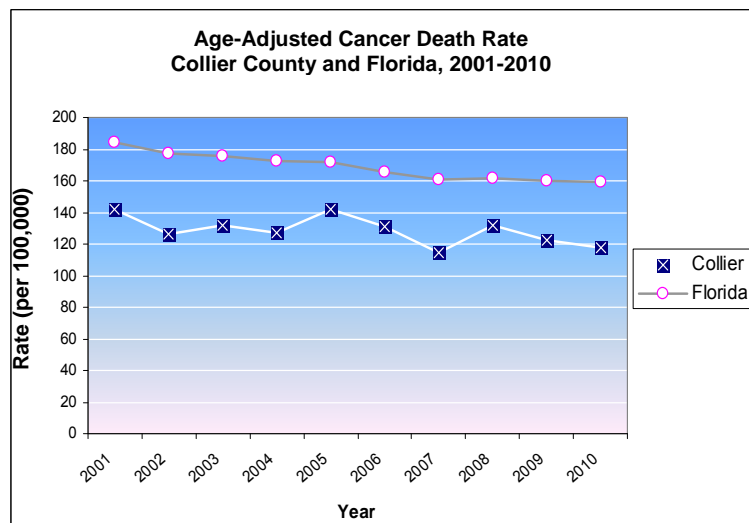
Note: The listed 9 Actual Causes of Death Accounted for almost one half of all Deaths in Collier County in 2010

These actual causes of death for Collier County have been extrapolated from the article, *Actual Causes of Death in the United States*, JAMA, Nov. 10, 1993. Vol. 270, No.18. While the leading causes of death indicate the pathophysiological condition identified at the time of death, the Actual Lifestyle Causes of Death generally reflect the root cause.

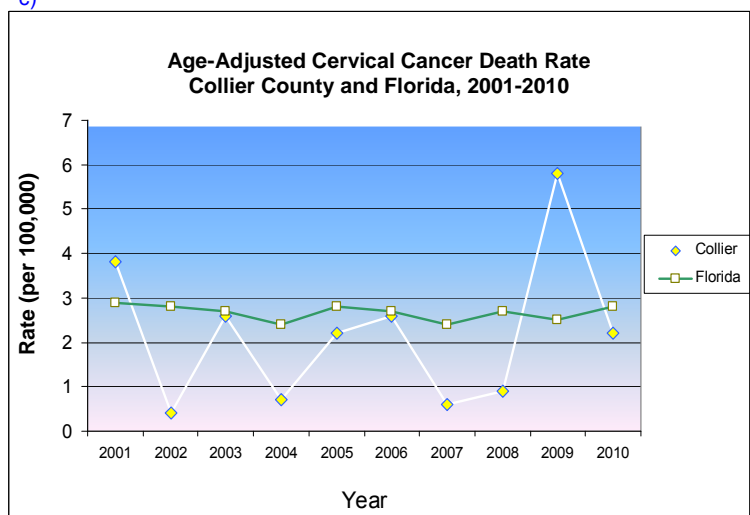
d)



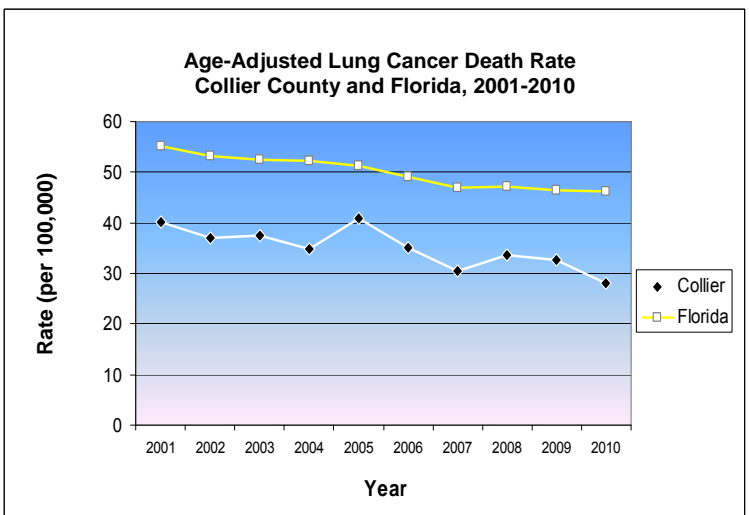
c)



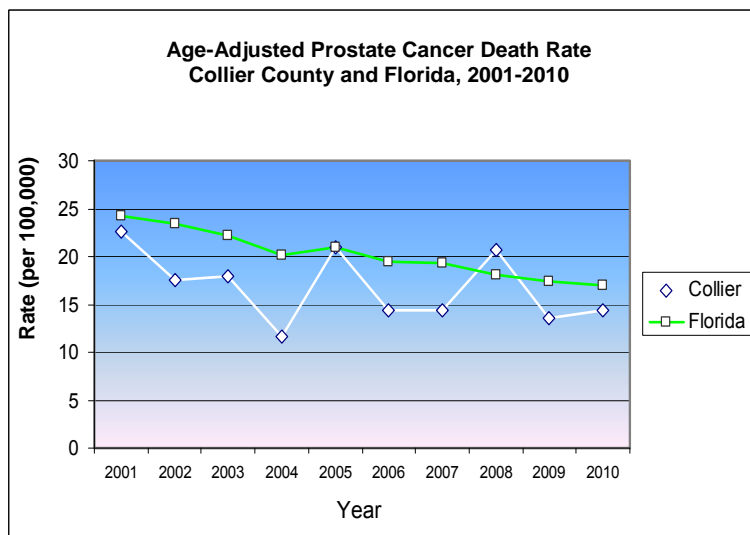
c)



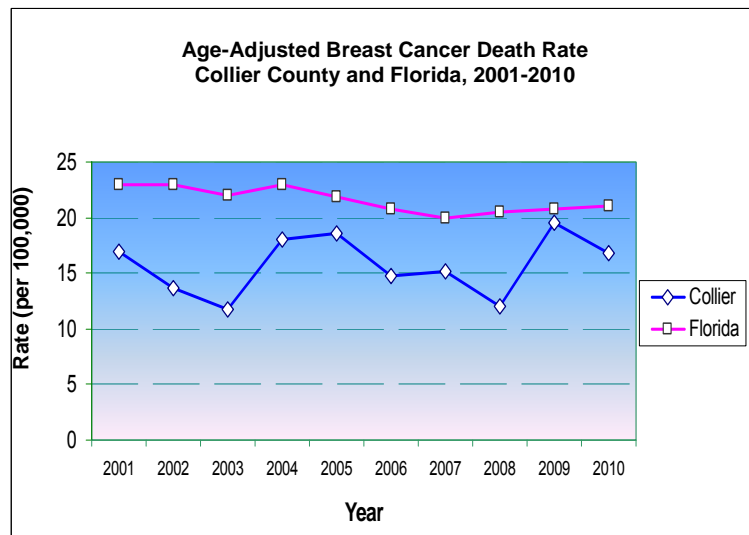
c)



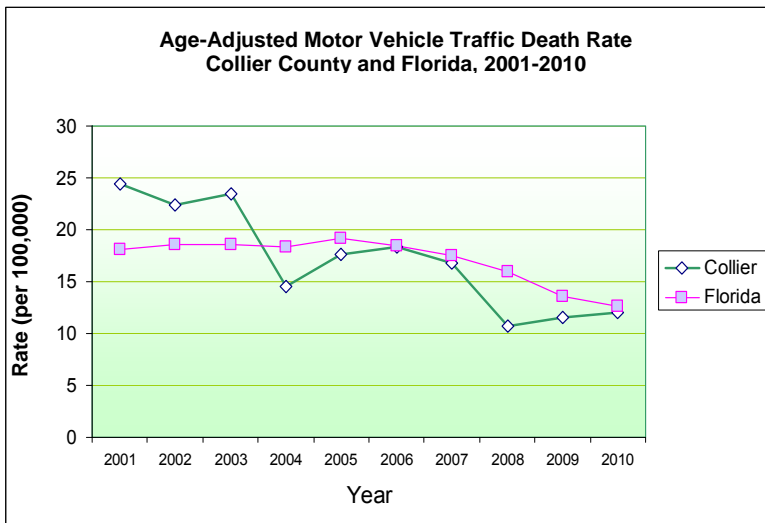
c)



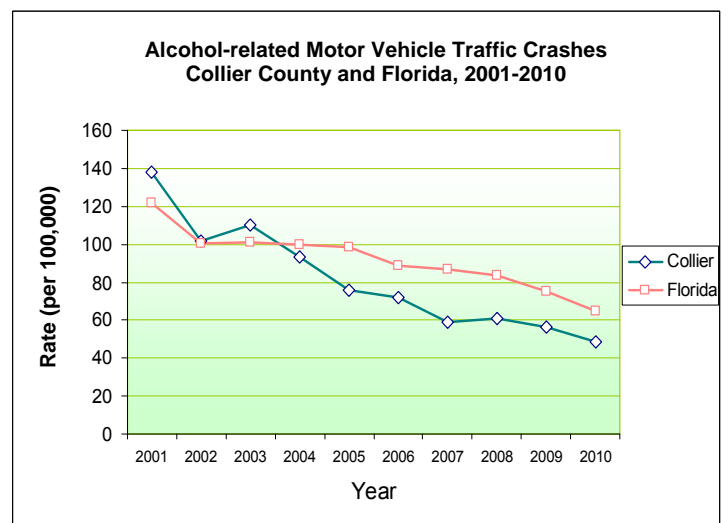
c)



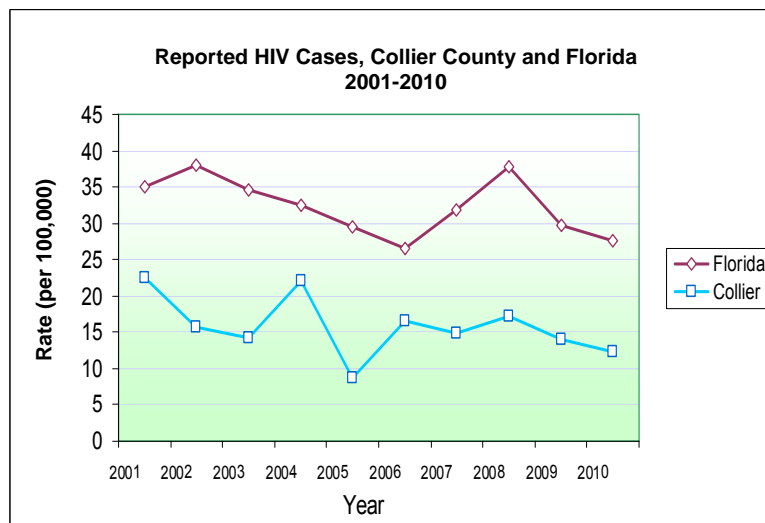
c)



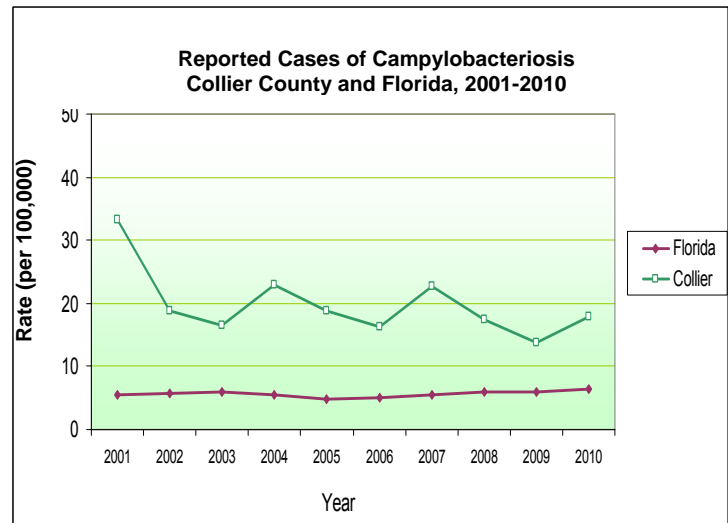
c)



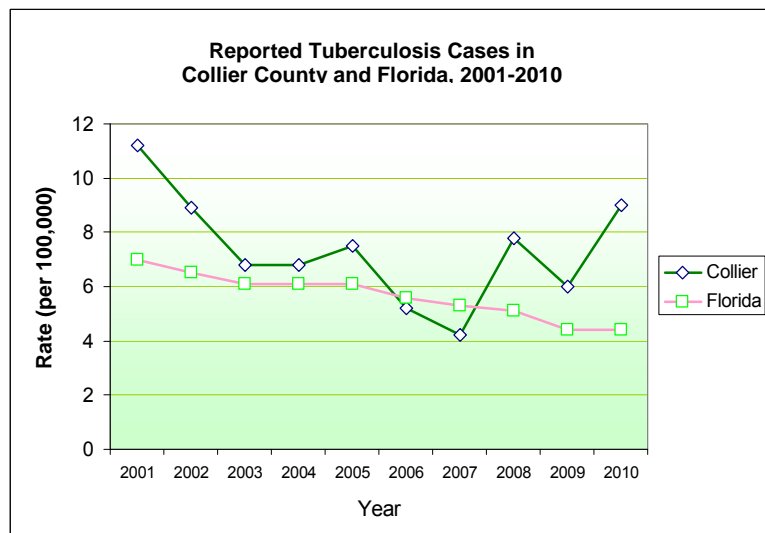
c)



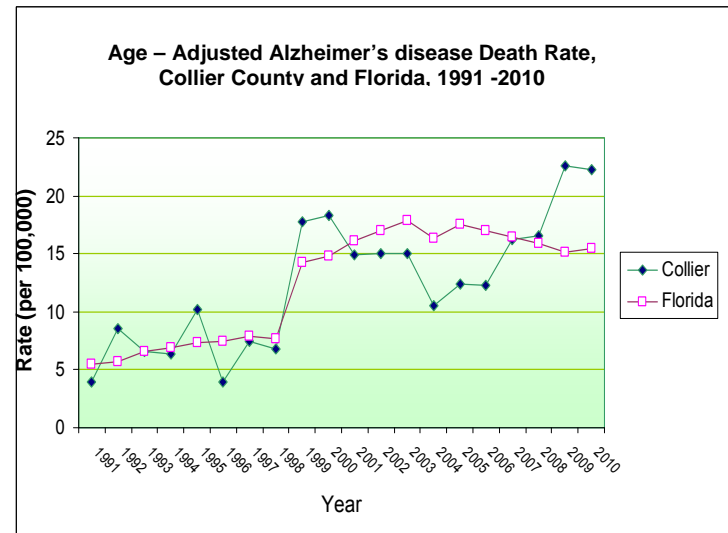
c)



c)



c)



c)