



Public Health
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Lake County General Health District 2015 Annual Report

A Message From the Health Commissioner

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Public Health is a field for people who care about the greater good of human beings.

If that sounds self-important, consider this: Millions of people are alive today thanks to a handful of public health initiatives, such as vaccination programs, motor vehicle safety laws, restrictions on the use of tobacco, family planning, and clean air and water standards.

The field of public health is constantly evolving in response to the needs of communities and populations around the world. The underlying mission of public health is to improve the conditions and behaviors that affect health so that all people can attain it. That mission includes not only the practice of public health policy but the research of public health issues and the education of future leaders who eventually will translate that research into practices and policies to improve the health of people regionally, nationally, and globally. It addresses broad issues that can affect the health and well-being of individuals, families, communities, populations, and societies—both now, and for generations to come.

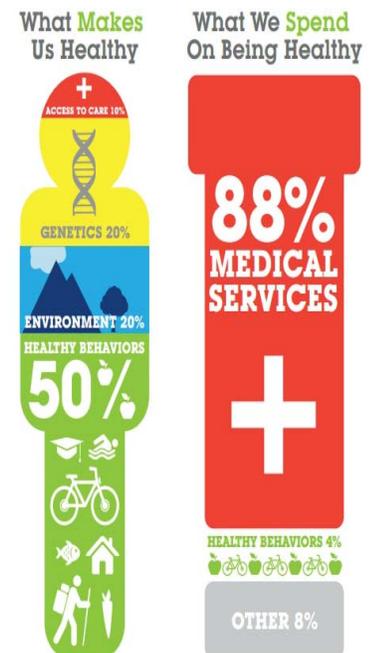
Public health programs help keep people alive. These programs have led to:

- ⇒ increased life expectancies
- ⇒ worldwide reductions in infant and child mortality
- ⇒ eradication or reduction of many communicable diseases



Ron H. Graham RD/RDN, LD, MPH
Health Commissioner
2015 –Present

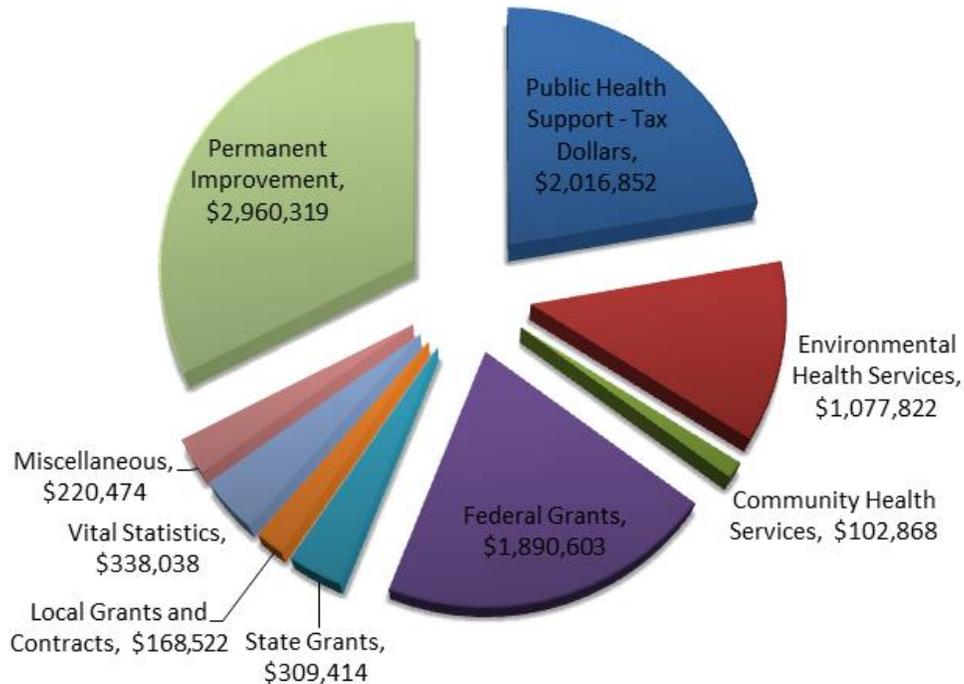
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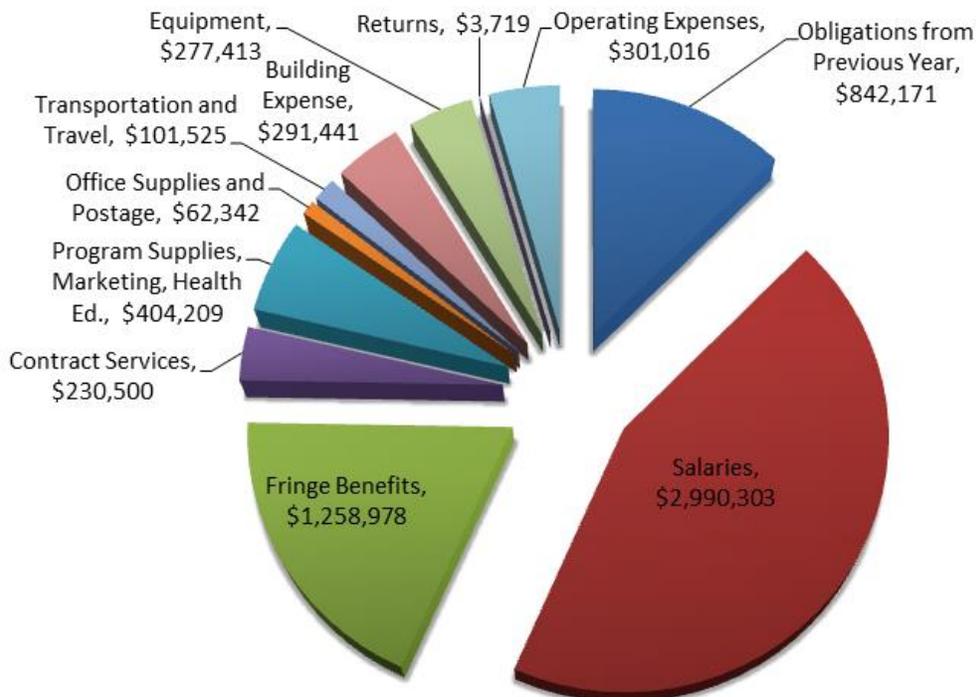
*Mission of the Lake County General Health District:
Working to prevent disease, promote health, and protect our community.*

Financial Report

2015 Revenue Sources



2015 Expenditures



On August 20th, 2014 the Lake County General Health District experienced a catastrophic fire that destroyed approximately 60% of the building at 33 Mill Street, Painesville, Ohio 44077. The Health District is currently in negotiations to purchase a new building to house the Health District and its staff.

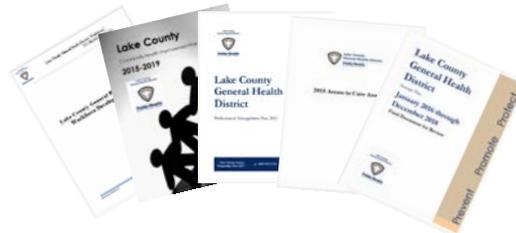


Lake County General Health District Accreditation

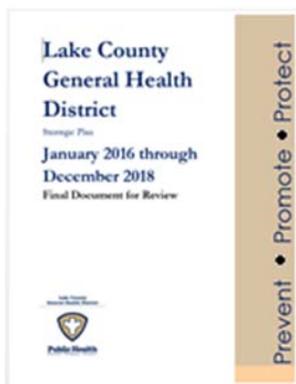
The Lake County General Health District's (LCGHD) journey to accreditation is nearing an end. In 2020, all local health departments are mandated by the Ohio Department of Health to be accredited. In 2015, there were tremendous leaps made in prioritizing accreditation standards throughout the organization. A part time accreditation coordinator was appointed in January 2015 to lead LCGHD through the completion of its action plan. LCGHD staff demonstrated hard work and dedication to achieve many accomplishments throughout the year.

Accreditation Accomplishments 2015

- Completion of our Community Health Assessment and Community Health Improvement Plan
- Completion of our agency wide Strategic Plan
- Development of a Customer Service Committee
- Formation of a Workforce Development Workgroup
- Completion of Access to Care assessment



Strategic Plan Priorities



1. Complete the post-fire restoration plan by December 31, 2016.
2. Maintain a balanced budget throughout years 1-3 of the Strategic Plan.
3. Increase employee confidence and job satisfaction survey results by 1 or > points on the Likert scale by creating a healthy workplace.
4. Increase data and input from the Lake County political subdivisions by 100%.
5. Increase Lake County Environmental Health data by 100%.
6. Increase Health District Health Education and Promotion infrastructure by 100%.
7. Integrate one or more Lake County Community Health Improvement Plan Strategies into Health Department programs and/or services.

Accreditation Benefits

- ⇒ Identifies LCGHD strengths and areas for improvement
- ⇒ Strengthens internal and external customer relations
- ⇒ Encourages continuous quality and performance improvement practices
- ⇒ Creates greater transparency with community and stimulates accountability with stakeholders
- ⇒ Highlights accomplishments of the Health District
- ⇒ Provides a competitive edge for future funding opportunities
- ⇒ Improves Lake County Public Health System
- ⇒ Strengthens delivery of LCGHD services and programming

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Community Health Programs & Services

Communicable Disease Surveillance Report

| Communicable Disease Report | 2014 YTD | 2015 YTD |
|-------------------------------|-------------|-------------|
| Campylobacter | 47 | 47 |
| Chlamydia | 639 | 603 |
| Cryptosporidiosis | 4 | 4 |
| Cyclosporiasis | 0 | 1 |
| E. Coli 0157:H7 | 2 | 2 |
| Giardia | 7 | 6 |
| Gonorrhea | 168 | 78 |
| Haemophilus Influenza | 2 | 2 |
| Hepatitis B | 22 | 19 |
| Hepatitis C | 230 | 233 |
| Hepatitis E | 0 | 1 |
| Influenza-Hospitalized | 90 | 60 |
| Legionnaires Disease | 4 | 5 |
| Listeriosis | 2 | 2 |
| Lyme Disease | 16 | 15 |
| Meningitis-aseptic/viral | 7 | 5 |
| Mycobacterium Other than TB | 34 | 23 |
| Mycobacterium Tuberculosis | 0 | 2 |
| Pertussis | 14 | 17 |
| Salmonella | 18 | 36 |
| Shigellosis | 16 | 10 |
| Streptococcal Group A | 6 | 4 |
| Streptococcal Group B Newborn | 0 | 1 |
| Streptococcus Pneumonia | 13 | 12 |
| Syphilis | 8 | 11 |
| Varicella | 9 | 10 |
| Totals | 1311 | 1209 |

Communicable Disease Summary

In 2015, 1,209 communicable diseases were directly reported to the LCGHD by laboratories, physicians, hospital and other health professionals. All required investigations were completed on cases reported to the LCGHD. However, 138 cases were reported and transferred to other jurisdictions and an additional 97 investigations did not meet the Ohio Department of Health case definition and deemed not a case.

Four disease outbreak investigations were conducted during the year (Influenza, Norovirus, Shigella, and Scabies).

Nurses utilize the Epi-Center Surveillance System to monitor regional hospital emergency department registrations. This community health surveillance program observes for surges in respiratory, gastrointestinal and neurologic conditions. In 2015, 83 Epi-Center investigations were conducted.



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Newborn Home Visiting Program

The Newborn Home Visit Program targets first time parents, teen parents, and their newborn infants. Public Health Nurses make a one-time home visit in the first few weeks after the baby is born to provide an assessment of mother and child, answer questions, link families to services and resources within our community and provide information to keep babies healthy and safe.

- Public Health Nurses made 136 newborn home visits
- A \$10,000 Lake County Community Block Grant was awarded to support this project from October 2014 through August 2015
- A \$5,000 Care Source Grant was awarded to support this program
- Targeted Safe Sleep education was conducted to support state-wide initiative to reduce infant mortality



Adult & Child Immunizations



In 2015, 47 Child Immunization Clinics were held vaccinating 584 children despite a decrease in clinic sizes due to clinical services workforce reduction. Willowick and Mentor were suspended starting in October 2015. Clinics were relocated to First Church of Christ in Painesville. An adolescent clinic was added in an effort to fully serve this population immunization needs. Spanish speaking interpreters were utilized at our Painesville clinics.

- In 2015, 22 clinics were held vaccinating 319 adults.
- Adult vaccine information is provided to parents on newborn home visits, school nurse meetings, community education courses and community presentations

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Environmental Health Programs

Sewage Program

Operation and Maintenance program for sewage treatment systems

ORC 3718 (Ohio Sewage Law) became effective in September of 2010 and enabled the development and implementation of OAC 3701-29 with an effective date of January 1, 2015. One of many new requirements is that each Board of Health is to develop a program for the administration of maintenance requirements of all septic systems in the county. There will be a requirement for an operational permit, service contract, and a service report submission. Routine maintenance has been shown to lower the failure rate of septic systems. It can also catch small problems before it becomes a costly replacement. The LCGHD has developed a five step approach to implementing this program. Throughout this process, homeowner education and community meetings will occur to explain this program and how to maintain septic systems. This program will eventually affect almost 10,000 homes in Lake County alone. Phases 1 & 2 were implemented in 2015. Phase 3 will begin to be implemented in 2016. Phases 3, 4 and 5 will also consist of a series of evening meetings throughout the county and mailings to the owners of the home sewage treatment systems (HSTS).

Phase 1: Any permits issued in 2015 and existing national pollutant discharge elimination systems (NPDES) have been started in this pilot program. An annual operational fee will be charged and homeowners are required to submit proof of maintenance. Any household obtaining a permit after 2015 will be included in the O & M program.

Phase 2: Storm water outfalls and surface water are being screened for evidence that discharging septic systems are impacting water quality. Any failing septic systems found are fixed or upgraded.

Phase 3: Transition the existing subdivision inspection program into the current operation and maintenance program. The LCGHD will propose to these existing subdivisions the ability to enter into a LCGHD O & M program that gives oversight for the maintenance of the systems and requires the obtainment of an operational permit allowing the LCGHD to manage the program. There are over 5,000 HSTS in this program in various stages of compliance with the current O & M system.

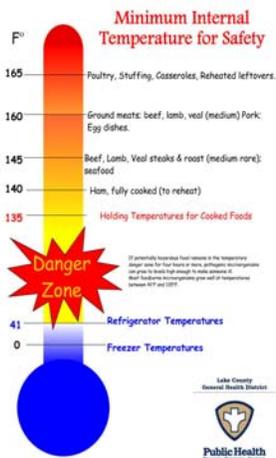
Phase 4 & 5: All septic systems not included up to this point will be located and included into the O & M program.



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Food Program

LCGHD inspects food facilities to monitor food handling practices, physical conditions and ensure safe and wholesome food is provided to the public. Some of the 2015 Food Program year's highlights included staff sanitarians being awarded a \$350,000 five year grant from the FDA to develop an educational website to reduce the prevalence of critical violations in a food service operation as well as to continue to provide food safety classes to food service operator and employees. In 2015, staff certified 135 individuals for the Level One food safety training and 42 individuals received their ServSafe certification.

Air Pollution

The Lake County General Health District continued their contract with the Ohio EPA to be their representative for the Air Pollution Control program. Ambient air data is collected to be used by the US and Ohio EPA to determine compliance with the National Ambient Air Quality Standards. In 2015, the Air Pollution program oversaw 105 asbestos abatements and issued 137 open burning permits. The staff also conducted inspections on 46 smoking complaints.



Mosquito Program



In 2015, the Lake County General Health District continued to provide a mosquito control program to help prevent the spread of mosquito borne diseases such as eastern equine and St. Louis equine encephalitis, West Nile virus (WNV) and La Crosse virus. Lake County saw no cases of human WNV and La Crosse virus and no cases of eastern and St. Louis equine encephalitis.

2015 Statistics at a Glance

| | | | |
|------------------------|-------|---------------------------|--------|
| Food Inspections | 3,742 | Beach Samples | 42 |
| Plumbing Inspections | 1,648 | Drug Disposal in lbs | 5,945 |
| Animal Bites | 487 | Private Water Inspections | 78 |
| Nuisance Complaints | 575 | Sewage Inspections | 906 |
| School Inspections | 99 | Office/Field Activities | 42,730 |
| Stormwater Inspections | 325 | Office/Field Time in Hrs | 31,053 |

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Health Promotion & Planning



Project DAWN (Deaths Avoided with Naloxone) is a pilot project developed by Ohio Department of Health to reduce opioid overdose fatality by distributing naloxone for lay reversal of opioid overdose that provides training and education on 1) the risk factors for opioid overdose, 2) how to recognize an opioid overdose and 3) how to respond to an opioid overdose.

| 2015 Project DAWN Statistics | |
|--|----|
| Number of naloxone kits distributed | 73 |
| Number of overdose reversals | 4* |
| Number of Law Enforcement Officers Trained | 82 |
| Number of overdose reversals through law enforcement | 7* |

*The actual number may be significantly higher, due to under reporting.

Carol M. White Grant (physical activity and nutrition)

The Lake County Obesity Prevention Initiative had a successful second year in terms of promoting physical activity, nutrition, and overall health among the youth of Lake County. As schools resumed from summer break in August, plans were immediately implemented to begin improvements in the quality of the physical education (PE) programs and to help students improve indicators in health and fitness to meet the Ohio State Standards in seven of the nine school districts throughout Lake County.

Activities include:

1. The data collection of over 500 elementary and middle school students.
2. GOPHER professional fitness room and circuit training equipment purchased for 14 middle schools.
3. Purchased 128 FitStep™ Pro Pedometers along with additional evaluation equipment for 28 elementary and 14 middle schools.
4. Focused Fitness nutrition and physical education curriculum purchased for middle school physical education teachers.
5. Ten FitnessGram software programs were purchased for each school district including renewals for 28 elementary schools.
6. Provided PE teachers and administrative staff with extensive professional development opportunities.



Lake County Physical Education teachers trained in the SPARK curriculum Winter 2015

The contents of this were developed under a grant from the Department of Education. However, those contents do not necessarily represent the policy of the Department of Education, and you should not assume endorsement by the Federal Government.

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JUST RUN

JUST RUN has completed yet another astonishing year. The program finished out with 27 schools and 1,848 students across eight school districts, four private schools and two community groups. The program commenced with the 3rd Annual JUST RUN Lake County 5K on Saturday, May 30th which drew record breaking numbers. The 5K attracted 1,070 students, over 500 adult runners and hundreds of spectators.

The first table below looks at race numbers and the second table looks at program numbers. Keep in mind, the number of participants enrolled in the actual JUST RUN program does not match the number of students who ran the race as it is not a requirement of the program. Some families have prior engagements scheduled well before the race dates comes out.

| Year | School Districts | Schools (All) | Private Schools | Community Groups | Students | Program Increase/ Students Year | 2010 vs 2015 Program Increase Overall |
|------|------------------|---------------|-----------------|------------------|----------|---------------------------------|---------------------------------------|
| 2010 | 1 | 1 | 0 | 1 | 60 | | 2,980.0% |
| 2011 | 2 | 2 | 0 | 1 | 120 | 100.0% | |
| 2012 | 5 | 9 | 2 | 1 | 392 | 226.7% | |
| 2013 | 5 | 15 | 3 | 3 | 765 | 95.2% | |
| 2014 | 7 | 22 | 4 | 1 | 1,466 | 91.6% | |
| 2015 | 7 | 25 | 4 | 2 | 1,848 | 26.1% | |



| Year | Student Runners | Adult Runners |
|------|-----------------|---------------|
| 2013 | 301 | 128 |
| 2014 | 852 | 416 |
| 2015 | 1,070 | 500+ |

Tobacco Youth

The highlight of 2015 for the “Stand” program included the Kick Butts Day event that drew in over 100 community members. The Lake County Salvation Army “Stand” group worked to create fun activities that promoted tobacco prevention in youth and adults.



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Women, Infant & Children (WIC)

Women, Infants, Children (WIC) Program Report

In August 2015, the Lake County WIC Program transitioned from coupon food benefits to an Electronic Benefits Transfer (EBT) card. EBT replaces the paper benefit system in which WIC participants' food benefits were printed on paper coupons. With EBT, WIC benefits for a family are issued on a smartcard which can be used like a debit card in authorized retail locations, making for a more efficient and satisfactory shopping experience for WIC participants and retailers alike.



WIC 2015 Participation

The Lake County WIC program works hard daily to ensure excellent customer service, and efficient service delivery. In 2015 WIC served the following:

- ⇒ 2,814 new applicants
- ⇒ 7,190 re-applicants
- ⇒ Over 350 pregnant women
- ⇒ Over 1,800 children under five years of age
- ⇒ Over 800 infants under one year of age
- ⇒ Over 400 women who just delivered babies



WIC's Partners

In 2015 Lake County WIC made over 1,200 referrals to neighboring agencies

- ◆ 41% to breastfeeding support
- ◆ 26% to oral health programs and services
- ◆ 19% to physician offices
- ◆ 3.8% to food assistance programs

2015 Health Initiatives and Strategic Goals

- * An increase of breastfeeding initiation rates of 2.2% since 2013
- * Decreased the average missed appointment rate by 36% since 2013 and 4.2% since 2014
- * An increase of 12.37% funding from 2014 (\$641,854.00 in 2014 to \$721,269.00 in 2015)

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Lake County WIC supports our local economy by partnering with 21 different vendors in various cities throughout the county. In 2015, for every dollar granted to the WIC program, \$4.13 was generated back to Lake County vendors.

| | 1 st Quarter | 2 nd Quarter | 3 rd Quarter | 4 th Quarter | Total |
|-------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| 2015 | \$ 750,502.23 | \$ 747,369.07 | \$ 754,233.16 | \$ 730,145.62 | \$ 2,982,250.08 |

The Lake County WIC Program participated in the farmer’s market program in 2015; WIC set a quality improvement project to increase voucher redemption rates by 5% from 2014 rates (a goal of 75.46%). The project exceeded this goal and increased redemption rates by 20.83% (or 86.84%), handing out close to 400 vouchers to eligible families.

Vital Statistics

| | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
| Birth Certificates Issued | 3,892 | 3,718 | 3,889 | 4,138 | 4,659 | 4,855 | 5,627 | 5,776 | 5,581 |
| Out of County Birth Certs Issued | 1,621 | 1,615 | 1,638 | 1,546 | 1,334 | 20 | - | - | - |
| Web Orders for Birth Certs | 509 | 491 | 476 | 435 | 175 | - | - | - | - |
| Death Certificates Issued | 8,631 | 8,053 | 8,766 | 8,741 | 8,328 | 8,434 | 9,556 | 10,092 | 8,882 |
| Web Orders for Death Certs | 111 | 86 | 81 | 66 | 40 | - | - | - | - |
| Fetal Death Certificates Issued | 1 | 1 | 4 | 1 | 2 | 1 | 3 | 4 | - |
| Burial Permits Issued | 648 | 647 | 768 | 711 | 715 | 717 | 773 | 894 | 848 |
| Birth Certificates Filed | 1,999 | 1,773 | 1,836 | 1,876 | 1,959 | 1,949 | 1,951 | 2,069 | 2,023 |
| Death Certificates Filed | 1,852 | 1,800 | 1,860 | 1,845 | 1,751 | 1,704 | 1,772 | 1,804 | 1,636 |
| Free Veterans' Copies | 354 | 362 | 387 | 378 | 349 | 344 | 393 | 335 | - |
| Affidavits Issued | 514 | 516 | 759 | 669 | 581 | | | | - |
| Supplements Issued | 366 | 308 | 370 | 368 | 282 | | | | - |

Changes in 2015

- In March the new Ohio Law provided adoptees access to their original birth information through the Ohio Department of Health Vital Statistics
- In May, Coroners began electronically certifying death certificates
- Redaction of social security numbers on death records
- Fax/scanned death certificates can be filed by funeral homes

This is Public Health

A snapshot of some of the services provided by your health department in 2015

**487 Rabies Control
Investigations**



**270 Families
28 New Families**



**284 HIV Tests
Administered**



**173 Child Flu Shots
319 Adult Flu shots
Administered**



**3,742 Food
Service Inspections**



**325 Stormwater
Illicit Discharge Inspections**



**Federal & State Grants
\$2,200,017**



**78 Child Safety
Seats Distributed**

