

**Hamilton City  
Health  
Department**

**Annual Report**

**2015**



**HAMILTON CITY COUNCIL**

**2015**

Pat Moeller, Mayor  
Rob Wile, Vice Mayor  
Robert Brown  
Carla Fiehrer  
Archie Johnson  
Kathleen Klink  
Timothy Naab

**CITY MANAGER**

Joshua A. Smith

**HAMILTON ADVISORY BOARD OF HEALTH**

Dr. Gregory Savage, President  
Ms. Rebeckah Williams, Secretary  
Ms. Donna Shaw  
Ms. Patti Harding  
Mr. David Scott Brandner (resigned 4-27-15)

**HEALTH DEPARTMENT STAFF  
2015**

Kay Farrar, RN, BSN

Health Commissioner

Environmental Division

Cindy Hogg, R.S.

Environmental & Compliance Administrator

Larry Bagford

Planning & Zoning Specialist

Angela Black, R.S. (resigned 12-30-15)

Public Health Sanitarian

Beth Bryant, R.S. (resigned 3-20-15)

Public Health Sanitarian

Jonnica Creech, R.S.

Public Health Sanitarian

David Foucart, R.S.

Public Health Sanitarian

Angie Getz (hired 8-31-15)

Community Technician

Keith Gromen (hired 6-3-15)

Public Health Sanitarian

Cammie Mitrione (hired 8-10-15)

Public Health Sanitarian

Janay Mourer, R.S.

Public Health Sanitarian

Nursing Division

Amy Ellis, BSN, RN

Public Health Nurse I

Anita Larsh, BSN, RN

Public Health Nurse I

Clerical Division

Tracy Hymer

Administrative Secretary

Kim Coning (retired 9-30-15)

Registrar of Vital Statistics

Alicia Ritchie (hired 11-9-15)

Registrar of Vital Statistics

Deborah Vinnedge

Administrative Assistant II

Diana Wilder

Part-Time IAP Clerk

Contractual

Thomas J. Catalanotto, MD

Medical Consultant

Joyce Thompson, RN

BCMh Nurse

## Vital Statistics

The office of vital statistics in the department of health is responsible for maintaining complete and accurate birth records, death records, fetal death records and other vital statistics. The health department has records on file that date back to 1913 that occurred within the city of Hamilton.

There have been many changes in the vital statistics office this past year. The vital statistics registrar of 24 of years, Kim Coning, retired and a new registrar was hired in her place. The office received a new chip reader credit card machine. We have established a new application form combining birth, death, and fetal death record requests.

There was an amendment to Ohio Revised Code 3705.08 (D) (4) which now allows funeral directors to accept scanned, emailed, or faxed copies of death certificates with the original physician signature on it then file these copies with the vital statistics office. This simplifies the process for being able to gather signatures to file a death record.

Senate Bill 61 was passed and went into effect on October 15<sup>th</sup>. Senate Bill 61 limits who can receive a certified death record with the decedent's social security number on it. The descendant's spouse or legal partner, the descendant's lineal decent, a funeral director, government officials, administrator of the estate, agent with power of attorney, or a private investigator can get a copy of a death record with the social security number on it as long as they have proof of relationship to the descendant. Death records that are more than 5 years after the decedent's death are excluded from this bill.

There was an amendment to Ohio Revised Code 3705.231 that allows a birth or death record to be photographed. When a customer requests a copy of a birth or death record for review, the record will be copied on non-certified paper and stamped with 'Government Use Only'. At this point the customer will be allowed to review the record and take a picture of the record. Once the customer is done reviewing the record, they must return the record to the vital statistics registrar.

There was a slight increase in the number of births and a slight decrease in the number of deaths compared to 2014. The total of infant deaths and fetal deaths has decreased compared to 2014. No foundlings have been reported for the past three years. There were four home births for 2015 compared to only one home birth in 2014. Accidental deaths due to drug toxicity overdoses continue to increase over the past two years.

## Vital Statistics

	2015	2014
<b>TOTAL LIVE BIRTHS</b>	<b>669</b>	<b>623</b>
Resident Live Births	381	391
Resident White Male	145	151
Resident White Female	149	128
Resident Hispanic Male	14	31
Resident Hispanic Female	23	25
Resident Non-White Male	21	26
Resident Non-White Female	29	30
 <b>TOTAL FETAL DEATHS</b>	 <b>4</b>	 <b>8</b>
Resident Fetal Deaths	2	5
 <b>TOTAL DEATHS</b>	 <b>896</b>	 <b>924</b>
Resident Deaths	566	556
Resident White Male	275	242
Resident White Female	255	280
Resident Hispanic Male	0	1
Resident Hispanic Female	0	0
Resident Non-White Male	17	15
Resident Non-White Female	19	18
 <b>TOTAL INFANT DEATHS</b>	 <b>2</b>	 <b>4</b>
Resident Infant Deaths	0	1
Resident White Infants	0	1
Resident Hispanic Infants	0	0
Resident Non-White Infants	0	0
 <b>MATERNAL DEATHS</b>	 <b>0</b>	 <b>0</b>
 <b>FOUNDLING REPORT</b>	 <b>0</b>	 <b>0</b>
 <b>HOME BIRTHS</b>	 <b>4</b>	 <b>1</b>
 <b>TOTAL BIRTHS CERTIFICATES ISSUED</b>	 <b>3098</b>	 <b>4503</b>
<b>TOTAL DEATH CERTIFICATES ISSUED</b>	<b>2800</b>	<b>3899</b>

<b>SELECTED CAUSES OF DEATH</b>	<b>2015</b>	<b>2014</b>
<b>(Residents Only)</b>		
Heart Diseases	135	144
Cancer	113	118
Chronic Respiratory Diseases	54	52
Stroke (Cerebrovascular Disease	30	37
Accidents	59	37
Alzheimer's Diseases	43	37
Diabetes	18	23
Nephritis/Nephrosis	28	37
Influenza/Pneumonia	17	27
Suicides	9	6

**ACCIDENTAL DEATHS (Residents Only)**

Drug Toxicity	58	34
Falls	0	2
Asphyxia	1	0
Motor Vehicle Traffic	0	1
Drowning	0	0

The remaining 34 resident deaths were other than the top 10 leading causes of death. At the time of this report, there are 6 deaths that have not been filed and 3 pending cause of deaths.

<b>TEENAGE PREGNANCIES</b>	<b>19</b>	<b>18</b>	<b>17</b>	<b>16</b>	<b>15</b>	<b>14</b>
Resident	34	15	14	6	3	2
Non-Resident	19	6	4	4	2	0
Previous Births	12	3	3	0	0	0
No Pre-natal Care	3	0	1	0	0	0

<b>EVENTS BY PLACE OF RESIDENCE</b>	<b>Births</b>	<b>Deaths</b>
Hamilton	381	567
Fairfield	33	77
Middletown	24	7
Oxford	18	8
Trenton	33	8
Butler County	141	179
Remainder	39	51

<b>CRUDE BIRTH RATE</b>	<b>2015</b>	<b>2014</b>
Resident Birth Rate per 1,000 population	6.10	6.30
Resident Death Rate per 1,000 population	9.08	8.96
Resident Infant Death Rate per 1,000 population	0	0.001

(Figures based on 62,400 population)



### **Public Health Nursing Programs 2015**

Public Health Nurses (PHNs) operated programs to prevent disease and promote the health of Hamilton City residents with a staff of two full-time PHN positions, one full time clerk and one part-time clerk, one contract nurse working 10 hours per week in BCMH and one part-time Public Health Nursing Administrator (She also serves as the Health Commissioner). The Nursing Division oversees three grants. The Hamilton City Health Department is the Administrator for the Immunization Action Plan (IAP) Grant. The award was for \$91,355. This funded a portion of both PHN positions, over half of the full-time clerk's position, one part-time clerical positions, and part of the Nursing Administrators position. It also helps with supplies and equipment. \$20,100 was subcontracted to the Butler County Health Department for immunization activities in 2015. The Public Health Emergency Preparedness Grant (PHEP) runs from July 1, 2015 through June 30, 2016. It is administrated by the Butler County Health Department. The 15-16 fiscal year grants was for \$23,066 and covers part of the Nursing Administrators salary as well as a portion of one the PHNs salary. The 14-15 fiscal year grant was for \$28,365.55. The Cities Readiness Grant (CRI) also runs from July 1, 2015 through June 30, 2016 and was awarded as \$10,000. This pays a portion of one PHNs salary and is paid as deliverables are met by the Cincinnati Health Department who administrates this grant. The Department continued our commitment to support nursing education by mentoring students from the Bachelor of Nursing program at Miami University and Indiana Wesleyan University. The nursing staff received training on immunizations, Epidemiology of Vaccine Preventable Diseases, Hepatitis B, AFIX (Assessment Feedback, Incentive and Exchange), MOBI (Maximizing Office Based Immunizations) the CDC program for evaluating immunization rates for practices. All new students and staff received/ review training on HIPPA.

### **Communicable Disease Control**

Nursing uses the Ohio Disease Reporting System to document and report communicable diseases and reviews OPHCS alerts each workday to access reports from some of the regions health care facilities. The Department continued to employ the Drug and Poison Center for after-hours communicable disease reports with the rest of the southwest region. The PHNA continued to actively monitor the Health Monitoring System (HMS) Epicenter which receives chief complaint data from emergency rooms and pharmacy purchases of medication and supplies.

Epicenter can provide an early signal of unusual illnesses, including symptoms resulting from bioterrorist activity. There were 56 occasions when the expected incidence of disease exceeded expectations in 2015 in Butler County or where clusters of chief complaints were investigated. Most common chief complaints were cough, fever and constitutional complaints. All spontaneously disappeared and none were tied to any bioterrorist activity or illness other than seasonally expected illness such as flu, which exceeds any previous year in hospitalizations for 2015.



PHNs investigated and managed communicable diseases; there have been investigations of 946 reportable communicable diseases in 2015, and this almost the same number of investigations from 2014. They also investigated other cases that eventually did not meet the case definition or were negative on follow-up testing, such as food borne outbreak or contacts to cases.

The nurses did Ebola monitoring on a person visiting the USA from Liberia. The person was monitored twice per day for 21 days. Once a day visually and once a day by phone and temperatures recorded and called to ODH daily.

A PHN followed a total of 4 families in the Peri-natal Hepatitis B Program. See under the IAP grant for the specifics within this program.

### **Immunization Action Plan Grant Activities**

The Health Department continues to receive Immunization Action Plan Grant (IAP) funding. City of Hamilton Health Department now provides these services to the physicians of the City of Middletown and Hamilton City. We contract with Butler County Health Departments to provide services in the rest of the county (excluding Cities of Middletown and Hamilton) for children from birth to 35 months of age. The Health Department provided WIC outreach, service delivery, immunization education and assessment services to area physicians.

- WIC Outreach: IAP/WIC Clerk assessed immunization records of Butler County children and referred those needing vaccines.
- Service Delivery: Three weekly immunization clinic sessions are held at 2 locations, offering vaccines for \$10.00 vaccine administration fee on a walk in basis. **No One is excluded for inability to pay.** Attendance in 2015 increased. The clinics have vaccinated 1178 children and 183 adults in 2015. Last year's total was 1330 combined (31 above last year). The nurses had a zero missed opportunity rate for 2015.
- Education: Both nurses were trained by the Ohio Chapter of the American Academy of Pediatrics and then trained staff of six physician offices with Maximizing Office Based Immunizations, a quality improvement program. PHNs and students distributed flyers to businesses and agencies serving families in pockets of need. A letter from the Medical Director was sent to physicians containing the updated information on vaccines, disease reporting information and encouragement for physicians to take advantage of the education and assessment offered by the Department.
- Assessment: A PHN assessed the immunization compliance rates of seven private practice and three Federally Qualified Health Clinics and offered recommendations to increase up to date immunization rate.
- Immunization Records of WIC clients were reviewed and entered into the Statewide IMPACT SIIS registry. A total of 7414 records were reviewed and recalls to the parents were done when immunizations were needed.
- In the Perinatal Hepatitis B Program: Nursing is following two pregnant women, one of the pregnant women is HBsAg+ however, she received a Twinrix immunization several weeks before being tested for Hepatitis B. Her OB-GYN is



- going to draw extra labs to determine her status. We have had one child successfully complete the Hepatitis B series and had post-serology testing indicating immunity. We are following another child who is in the middle of their series.

### **Clinic Services**

- Immunization Sessions: The Department held walk-in childhood immunization sessions two times a week at St. Raphael on High St in Hamilton, and once a week at the YMCA on the west side of town. Immunization sessions are no longer funded by the IAP grant.
- Influenza Vaccines: Influenza vaccination began in August 2015. PHN's have administered 513 influenza vaccines.

### **Health Education**

Health education was provided to families and individuals at most interactions during home visits and clinic encounters. The Department collaborated with TriHealth and Healthy Women Healthy Lives for the seventh year to offer free mammograms, cardiovascular testing and osteoporosis screening at a church event in August 2015. The 2015 event was attended by more women and more received mammograms free of charge than the previous year. We also had 2 woman identified as having breast cancer. Both have undergone treatment as a result of being identified. The PHNA sits on the Healthy Women Healthy Lives Advisory Board and plans are underway to offer this again in 2016. We also provide an every other week education session at Serenity Hall with topics from HIV, Hepatitis B and C, MRSA, hand washing, and flu.

### **Bureau for Children with Developmental and Special Health Needs (BCDSHN)**

formerly known as BCMH (Bureau for Children with Medical Handicaps)

PHNs provided case management services to children with medical disabilities in Hamilton for which the City was compensated. We currently have one PHN (contracted at 10 hours per week), assigned to BCMH. . The amount of income generated is a direct reflection of her time spent in the program.

### **Public Health Home Visitation or Assistance**

Nurses helped families with a variety of health problems. Examples included: 1) assessing and referring people who appear confused or unable to care for themselves 2) case management for children with elevated lead levels. PHNs provide education about protective measures and reducing lead exposure. They also assist families to access medical care, developmental screening as needed and provided families with supplies to clean the home and thus reduce lead exposure 3) helping physicians locate patients who they are concerned about and lost contact with their parent.

### **Coordination with community Agencies/ Community Assessment**



The PHNA continued to serve on committees and advisory boards to provide input into policy, coordinate services and assess and advocate for needed services. She serves on the Life Span Advisory Board, The Butler County Children and Families First Council, Healthy Women Healthy Lives, the Butler County Coalition to Reduce Infant Mortality, and the Miami Hamilton Advisory Board for Nursing and Sciences.

**Public Health Emergency Preparedness (PHEP)**

The Department continued to collaborate with facilities in Hamilton and with regional partners to improve emergency response, to assure that necessary communication systems were operating, and to refine cross jurisdictional procedures. PHEP funding for July 2015 to June 2016 is \$23,066 with matching funds. PHEP funding supports a part of the PHNA and part of one PHN salary. Nursing continued to refine and expand Emergency Response Plans and Health Department staff participated in various response exercises in the region. The Department participated in monthly checks of the Multi Agency Radio Communications System (MARCS), in a regional call-out test and in weekly conference calls with ODH.

**Cities Readiness Initiative (CRI)**

Nursing continued to participate in the Cities Readiness Initiative with other health departments in the region and expanded plans to dispense medications to all residents of Hamilton in a 48 hour period. The Health Department updated information of first responders and holds the documentation for first responders to expedite a response, if needed. In 2015, the Department received \$10,000 for timely completion of all grant deliverables.

## COMMUNICABLE DISEASES

	<u>2015</u>	<u>2014</u>
<u>CLASS A DISEASES</u>		
Diseases of major public health concern because of the severity of disease or potential for epidemic spread.		
ANTHRAX	0	0
BOTULISM, foodborne	0	0
CHOLERA	0	0
DIPHTHERIA	0	0
INFLUENZA A – novel virus	0	0
MEASLES	0	0
MENINGOCOCCAL DISEASE	1	0
PLAGUE	0	0
RABIES, human	0	0
RUBELLA (not congenital)	0	0
SEVERE ACUTE RESPIRATORY SYNDROME (SARS)	0	0
SMALLPOX	0	0
TULAREMIA	0	0
VIRAL HEMORRHAGIC FEVER (VHF)	0	0
YELLOW FEVER	0	0
 <u>CLASS B DISEASES</u>		
Diseases of public health concern needing timely response because of a potential for epidemic spread.		
ARBOVIRAL NEUROINVASIVE & NON-NEUROINVASIVE DISEASES:		
EASTERN EQUINE ENCEPHALITIS	0	0
LaCROSS VIRUS	0	0
POWASSAN VIRUS	0	0
ST. LOUIS ENCEPHALITIS	0	0
WEST NILE VIRUS	0	0
WESTERN EQUINE ENCEPHALITIS	0	0
OTHER ARTHROPOD-BORNE DISEASE	0	2
CHANCROID	0	0
COCCIDIOIDOMYCOSIS	0	0
CYCLOSPORIASIS	0	0
DENGUE	0	0
E. COLI 0157:H7 and other enterohemorrhagic E. Coli	1	1
GRANULOMA INGUINALE	0	0
HAEMOPHILUS INFLUENZAE (INVASIVE)	0	0
HANTAVIRUS	0	0
HEMOLYTIC UREMIC SYNDROME (HUS)	0	0
HEPATITIS A	2	1
HEPATITIS B, perinatal	0	1
INFLUENZA-ASSOCIATED PEDIATRIC MORTALITY	0	0

	<u>2015</u>	<u>2014</u>
LEGIONNAIRES' DISEASE	3	3
LISTERIOSIS	0	0
MALARIA	1	0
MENINGITIS, aseptic	3	6
MENINGITIS, bacterial	0	1
MUMPS	0	0
PERTUSSIS	4	16
POLIOMYELITIS (including vaccine associated)	0	0
PSITTACOSIS	0	0
Q FEVER	0	0
RUBELLA	0	0
SALMONELLOSIS	2	6
SHIGELLOSIS	0	0
STAPHYLOCOCCUS AUREUS (with resistance or intermediate resistance to vancomycin)	0	1
SYPHILIS	7	8
TETANUS	0	0
TUBERCULOSIS, including multi-drug resistant TB	0	0
TYPHOID FEVER	0	0

(2) Diseases of significant public health concern.

AMEBIASIS	0	0
BOTULISM, WOUND	0	0
BOTULISM, INFANT	0	0
BRUCELLOSIS	0	0
CAMPYLOBACTERIOSIS	5	7
CHLAMYDIA INFECTIONS	343	333
CREUTZFELDT-JAKOB DISEASE (CJD)	0	0
CRYPTOSPORIDIOSIS	1	1
CYTOMEGALOVIRUS (congenital)	0	0
EHRlichiosis/ANAPLASMOSIS	0	0
GIARDIASIS	1	4
GONOCOCCAL INFECTIONS	113	104
HEPATITIS B, non-perinatal	46	68
HEPATITIS C	306	271
HEPATITIS D	0	0
HEPATITIS E	0	0
HERPES (CONGENITAL)	0	0
INFLUENZA-ASSOCIATED HOSPITALIZATION	80	73
LEPROSY	0	0
LEPTOSPIROSIS	0	0
LYME DISEASE	0	4
MYCOBACTERIAL DISEASE, other than TB	3	5
ROCKY MOUNTAIN SPOTTED FEVER	0	0

	<u>2015</u>	<u>2014</u>
STREPTOCOCCAL DISEASE, Group A, invasive	4	5
STREPTOCOCCAL DISEASE, Group B, in newborn	2	2
STREPTOCOCCAL TOXIC SHOCK SYNDROME (STSS)	0	0
STREPTOCOCCUS PNEUMONIAE, invasive disease (ISP)	16	14
TOXIC SHOCK SYNDROME (TSS)	0	1
TRICHINOSIS	0	0
TYPHUS FEVER	0	0
VARICELLA	1	13
VIBRIOSIS	0	1
YERSINIOSIS	0	0

CLASS C DISEASES

(Outbreaks, unusual incidences or epidemics reported by the end of the next business day)

Outbreaks:

Community	0	0
Foodborne	0	0
Healthcare Associated	0	0
Institutional	1	1
Waterborne	0	0
Zoonotic	0	0

Other:

Herpes	0	0
Scabies	0	0

REPORTABLE BY EPIDEMIC PROPORTIONS ONLY

None reported for this quarter and none this same quarter last year.

## CLINIC SERVICES

CLINICS – Hamilton West YMCA  
St Raphaels

	<u>2015</u>	<u>2014</u>
DT	0	2
DTaP/Tdap	820	702
Polio	350	305
MMR	261	290
Haemophilus Influenzae Type b	165	154
Hepatitis A	408	438
Hepatitis B Vaccine	205	232
Influenzae Vaccine	513	439
Varicella	322	360
Prevnar	172	160
Menactra	161	163
Rotavirus	60	60
HPV	273	271
Adult HBV	43	18
Adult HAV	3	5
Adult Twinrix	25	5
<u>Patients (Clinic Visits)</u>		
Immunization Clinic	1370	1329

IMMUNIZATION CLINIC ATTENDANCE 2015  
City of Hamilton Health Department

	St Raphael Wednesday	St Raphael Thursday	YMCA	Other	TOTAL
January	28	28	46	11	113
February	9	15	15	9	48
March	30	21	28	7	86
April	18	26	21	4	69
May	18	7	23	155	203
June	17	11	16	5	49
July	24	10	25	2	61
August	21	45	68	59	193
September	74	79	67	2	222
October	30	39	48	45	162
November	21	15	27	5	68
December	36	17	36	7	96
TOTALS	326	313	420	311	1370

## NUISANCES

During 2015, the department received 10,047 nuisance complaints, compared to 6934 in 2014. Each complaint was investigated and, whenever necessary, enforcement action was taken.

The following is a summary of the related activities:

<u>NUMBER OF INSPECTIONS</u>	<u>2015</u>	<u>2014</u>
Refuse & Garbage	6611	5346
Animal Nuisance	101	101
Weeds	5314	4650
Autos	1445	1456
Graffiti	240	184
<u>NUMBER OF ORDERS ISSUED</u>	<u>2015</u>	<u>2014</u>
Refuse & Garbage	2279	2128
Animal Nuisance	27	26
Weeds	2231	1897
Autos	553	531
Graffiti	87	77
<u>NUMBER OF COMPLAINTS ABATED</u>	<u>2015</u>	<u>2014</u>
Refuse & Garbage	2289	1660
Animal Nuisance	39	42
Weeds	2477	1510
Autos	559	641
Graffiti	84	58

## ENVIRONMENTAL HEALTH

The objective of the Environmental Health Division is to provide a clean and safe environment for the citizens of Hamilton.

In 2015, 312 Food Service Operations were licensed and inspected; 113 of these were temporary licenses. There were 12 Food Vending Machine locations licensed and inspected. There were 101 Retail Food Establishments licensed and inspected.

Other activities include the inspection of 20 school buildings (includes preschools/headstarts), the licensing and inspection of 33 public swimming pools/spas/splash pads, 7 tattoo and body piercing establishments and the inspection of private sewage disposal systems.

The following is a summary of this year's activities:

	<u>INSPECTIONS</u>	
	<u>2015</u>	<u>2014</u>
Food Service Operations	787	806
Mobile Food Service Operations	17	22
Temporary Food Service Operations	107	107
Vending Food Service Operations	12	12
Retail Food Establishment Operations	260	173
Plan Reviews:		
Pre-Licensing Inspections	102	129
Swimming Pools	122	114
Private/Public Sewage System and/or Water System or Well	164	23
Tattoo Parlors	15	21
Solid Waste (landfill, tire & compost)	87	82

**ENVIRONMENTAL HEALTH  
HOUSING & NON-RESIDENTIAL MAINTENANCE**

<b><u>INTERIOR HOUSING</u></b>	<b><u>2015</u></b>	<b><u>2014</u></b>
Initial Inspections	133	142
Re-Inspections	170	168
Total Inspections	303	310
Consultations	190	207
Legal Notice Issued	95	89
<b><u>EXTERIOR HOUSING</u></b>		
Initial Inspections	1132	443
Re-Inspections	2462	503
Total Inspections	3594	946
Consultations	457	131
Legal Notice Issued	1456	520
<b><u>COMMERCIAL MAINTENANCE</u></b>		
Initial Inspections	612	88
Re-Inspections	878	81
Total Inspections	1490	169
Consultations	86	40
Legal Notice Issued	739	100
<b>Properties Brought to Council for Nuisance Declaration</b>	<b>4</b>	<b>76</b>

## ANIMAL CONTROL

The principal purpose of this program is to decrease the number of animals running at large, thereby minimizing the chances of someone being bitten. When an animal bite does occur, the biting animal is put under quarantine for 10 days or a specimen of the animal is sent to the Ohio Department of Health Laboratory for examination to rule out rabies.

The following is a summary of activities for the program:

<u>ANIMAL BITES</u>	<u>2015</u>	<u>2014</u>
Dogs	150	123
Cats	16	32
Other	5	5
Total Animal Bites	171	160
Animal Heads Sent for Examination	4	5
Negative	4	5
Positive	0	0