

**DIVISION OF COMMUNICABLE DISEASE PREVENTION
& PUBLIC HEALTH PREPAREDNESS
KANSAS CITY, MISSOURI HEALTH DEPARTMENT
2005**

HEPATITIS SURVEILLANCE

SUBMITTED BY:
RON GRIFFIN, M.P.H.
DIVISION MANAGER

REPORT PREPARED BY:
Karen Miscavish, M.P.H.; Epidemiology Specialist

Explanation of Changes in the 2005 Annual Report

In late 2003, the Kansas City, Missouri Health Department moved from a locally administered communicable disease database to a communicable disease database administered by the Missouri Department of Health and Senior Services (MDHSS). The 2004 Annual Report was the first Annual Report to be prepared using the data from the MDHSS administered database. Entry of diseases and conditions into the new surveillance system required the use of predetermined case definitions. In some instances, cases that were counted in past Annual Reports will not be counted beginning with the 2004 Annual Report. MDHSS gives case definitions to determine what is a confirmed, probable, suspect and presumptive case. The 2005 Annual Report counts only confirmed and probable cases as outlined in the MDHSS case definitions. In years previous to 2004, no such distinction was made and suspect and presumptive cases were counted as well. This change is most noticeable in the Hepatitis B and Hepatitis C sections of this report. Quality Assurance reviews are done at regular intervals and patients' current case status is evaluated (confirmed, probable, suspect or presumptive) and changes are made as necessary. This often results in changes in the number of reported cases for previous years. Again, these changes are most noticeable in the Hepatitis B and Hepatitis C sections of this report.

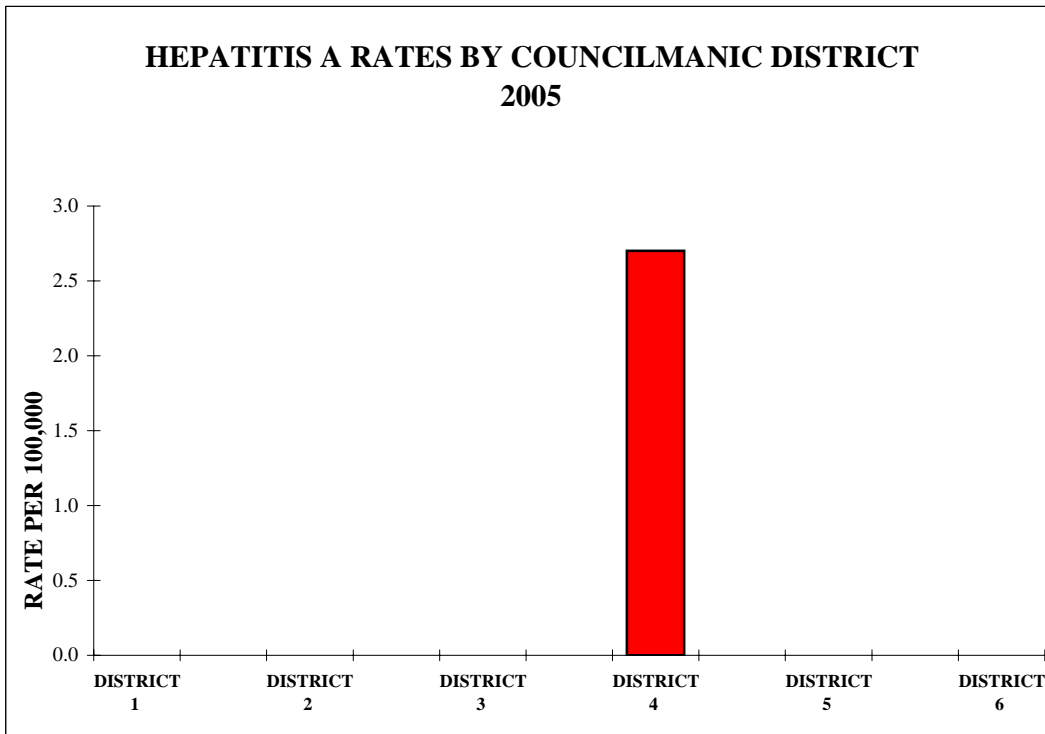
**HEPATITIS INCIDENCE
RATES PER 100,000
POPULATION
KANSAS CITY RESIDENTS
BY YEAR**

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
POPULATION	438,986	439,626	440,266	440,906	441,545	441,545	441,545	441,545	444,387	444,387
HEPATITIS A	26.2	9.6	9.3	16.8	12.2	5.2	1.4	3.2	0.2	0.7
HEPATITIS B	32.1	29.3	33.8	29.0	28.5	26.5	29.9	37.8	3.3	8.8
HEPATITIS C	153.8	133.3	160.1	156.9	158.1	161.0	148.6	142.9	50.5	62.8

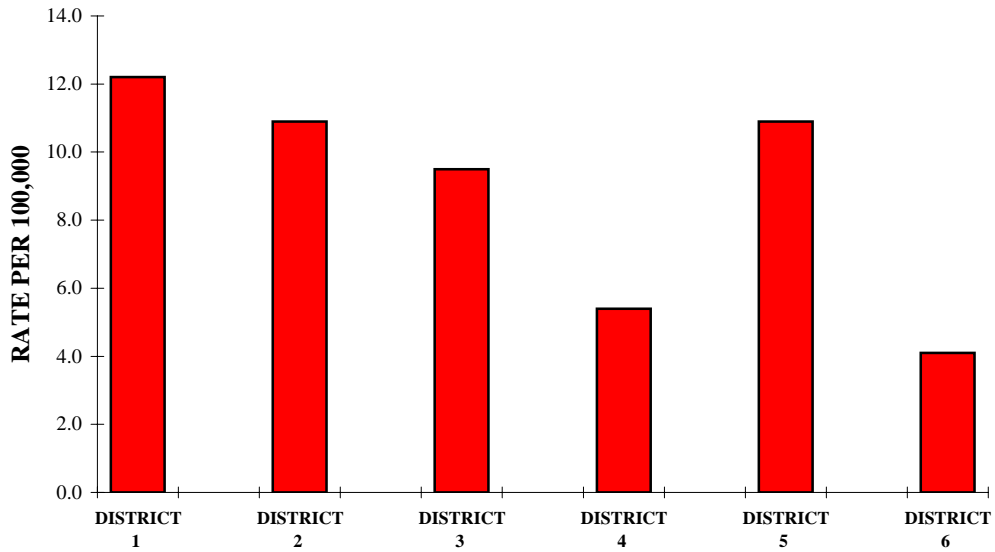
**REPORTED CASES OF HEPATITIS
RATE PER 100,000 POPULATION*
BY COUNCILMANIC DISTRICT
KANSAS CITY RESIDENTS
2005**

	HEP A	HEP B	HEP C
DISTRICT 1	0.0	12.2	70.6
DISTRICT 2	0.0	10.9	66.6
DISTRICT 3	0.0	9.5	77.4
DISTRICT 4	2.7	5.4	42.1
DISTRICT 5	0.0	10.9	55.7
DISTRICT 6	0.0	4.1	29.9

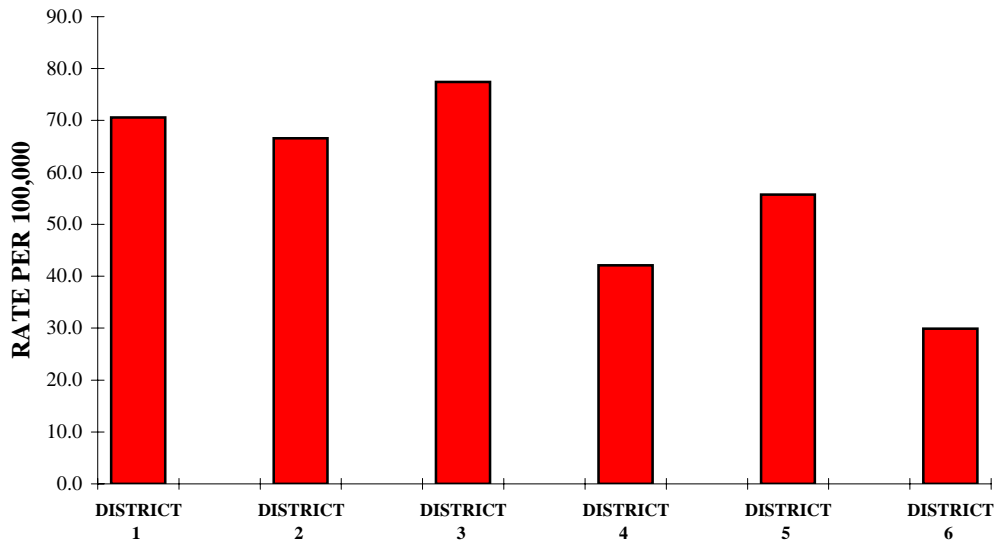
*28 PATIENTS COULD NOT BE LOCATED; POPULATION IN EACH DISTRICT IS APPROXIMATELY 73,600



HEPATITIS B CASE RATES BY COUNCILMANIC DISTRICT 2005



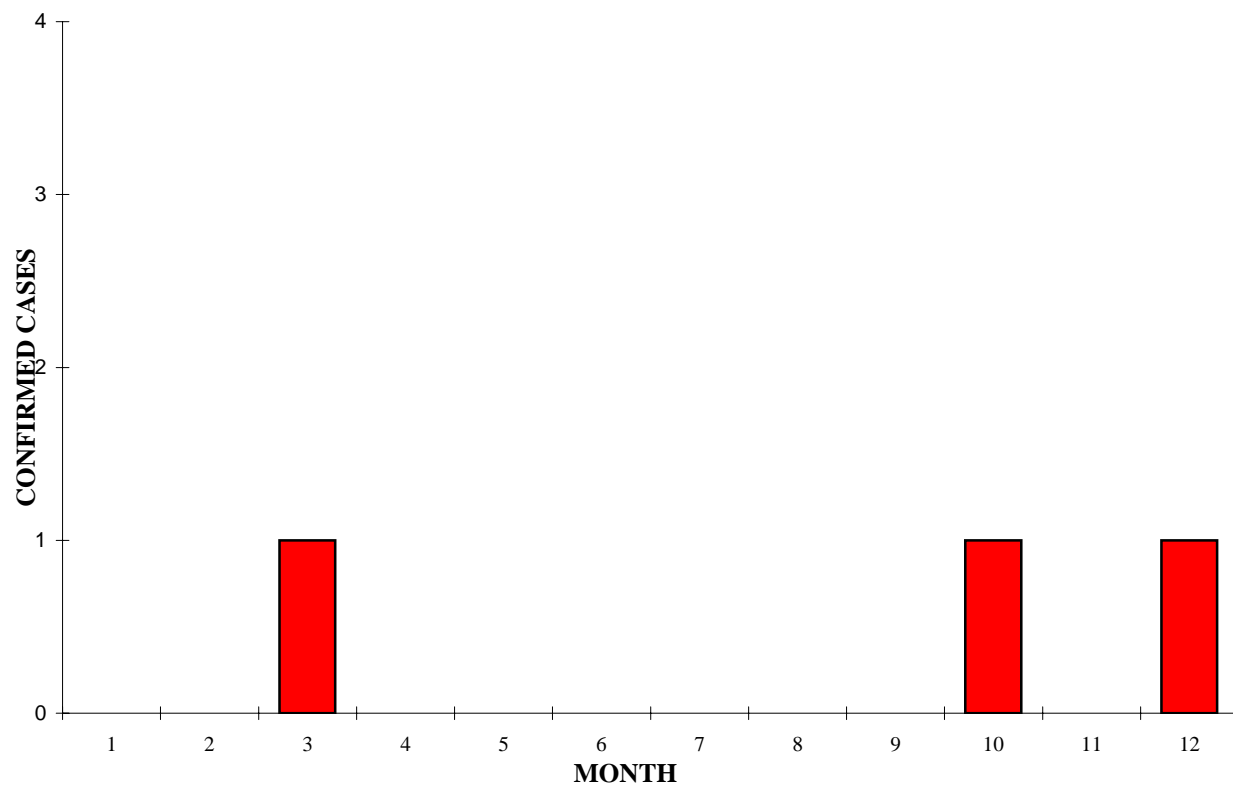
HEPATITIS C CASE RATES BY COUNCILMANIC DISTRICT 2005



HEPATITIS A BY MONTH AND YEAR

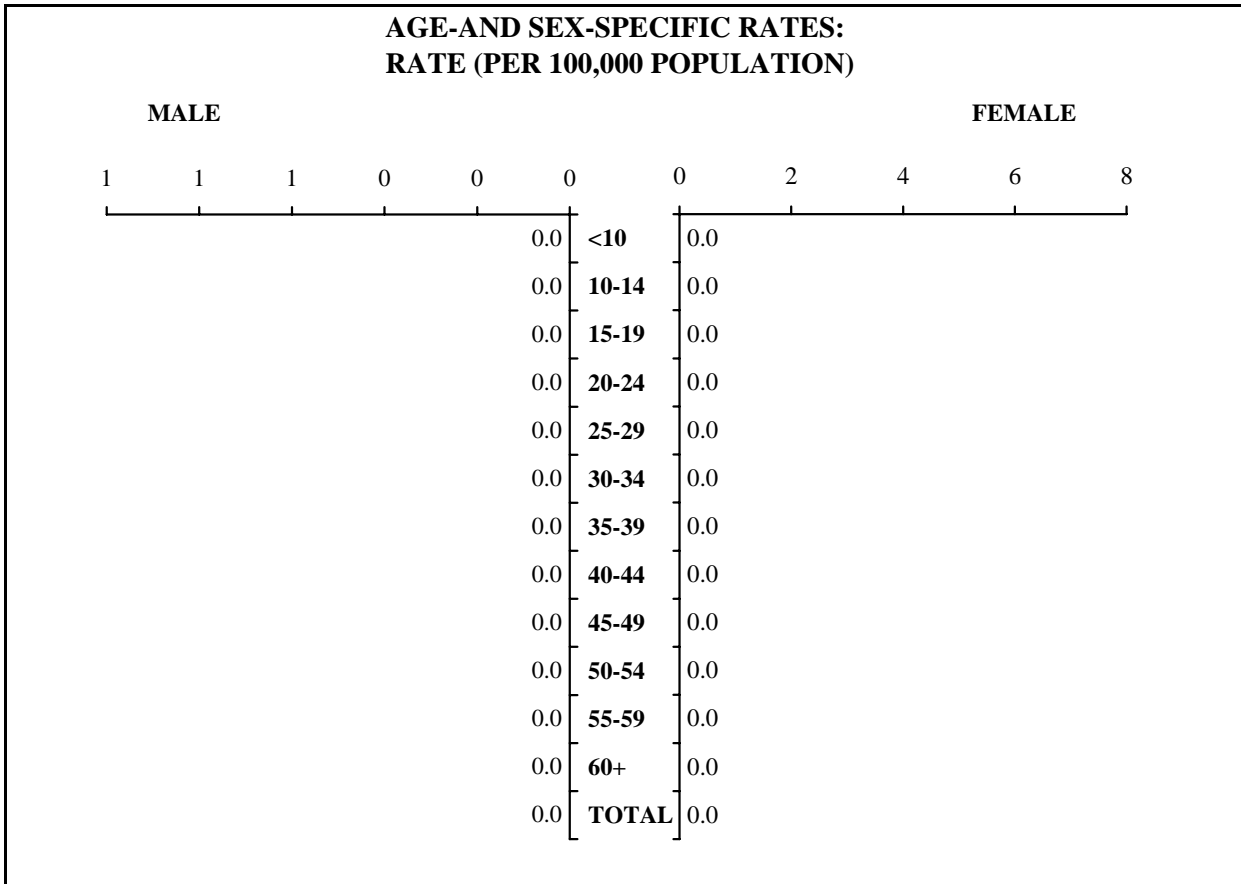
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	7	13	8	9	12	9	23	9	6	7	9	3	115
1997	4	5	2	2	1	5	6	2	6	7	1	1	42
1998	2	0	2	4	2	2	10	5	6	3	4	1	41
1999	4	2	3	2	2	2	4	4	9	17	14	11	74
2000	14	9	2	3	3	2	5	1	4	4	1	6	54
2001	5	0	0	4	0	0	1	3	3	4	2	1	23
2002	0	0	1	1	1	0	0	0	1	0	1	1	6
2003	2	1	0	1	1	0	1	1	1	1	3	2	14
2004	0	0	0	0	0	0	0	0	1	0	0	0	1
2005	0	0	1	0	0	0	0	0	0	1	0	1	3

HEPATITIS A BY MONTH OF ONSET 2005



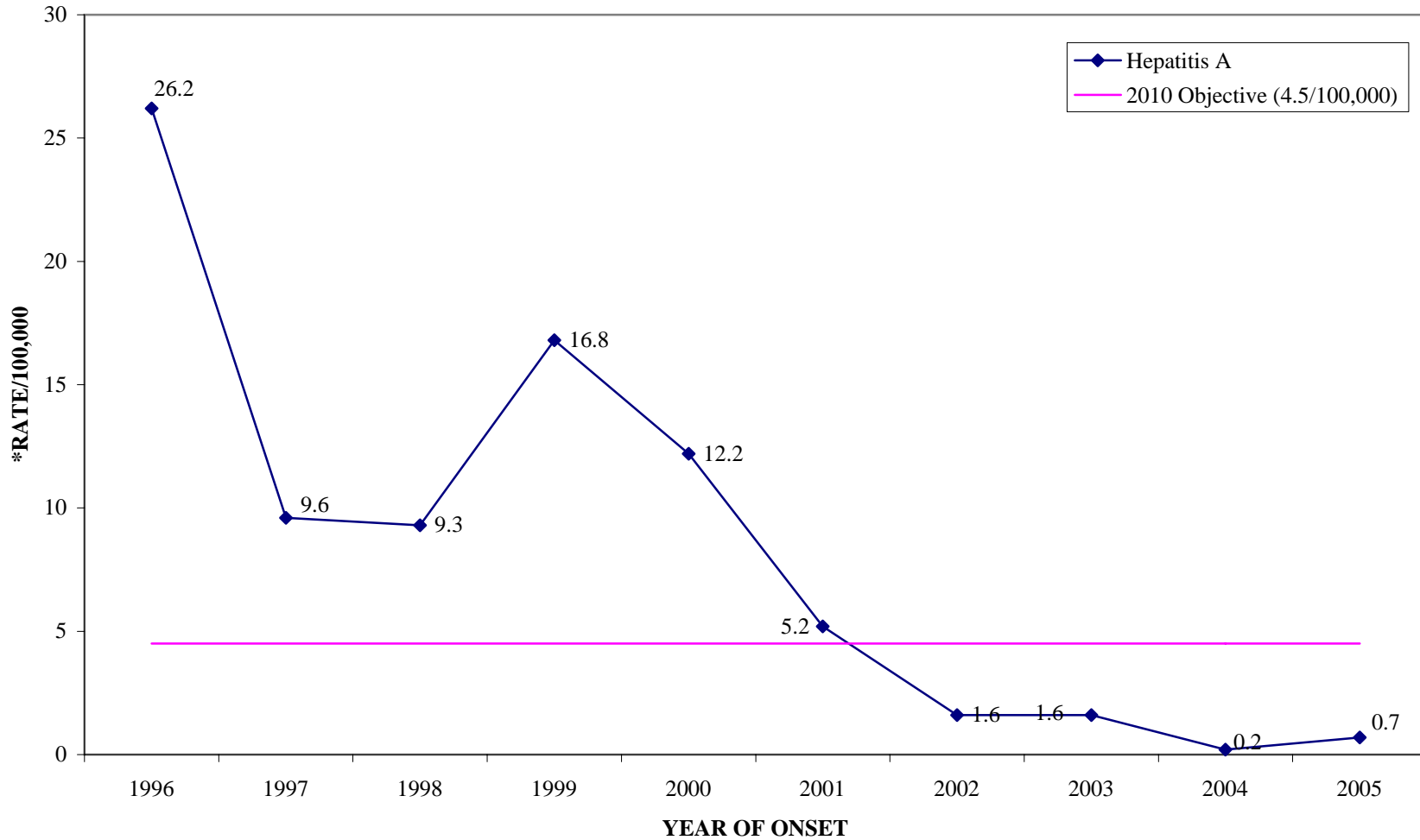
**REPORTED CASES
HEPATITIS A
BY AGE, RACE AND SEX*
KANSAS CITY RESIDENTS
2005**

AGE	MALE						FEMALE						
	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	AGE TOTAL
0-4	0	0	0	0	0	0	0	0	0	0	0	0	0
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0
10-14	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19	0	0	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0	0	0	0
60+	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0



*DUE TO THE SMALL NUMBER OF CASES, DEMOGRAPHIC BREAKDOWN IS NOT INCLUDED TO MAINTAIN PATIENT CONFIDENTIALITY.

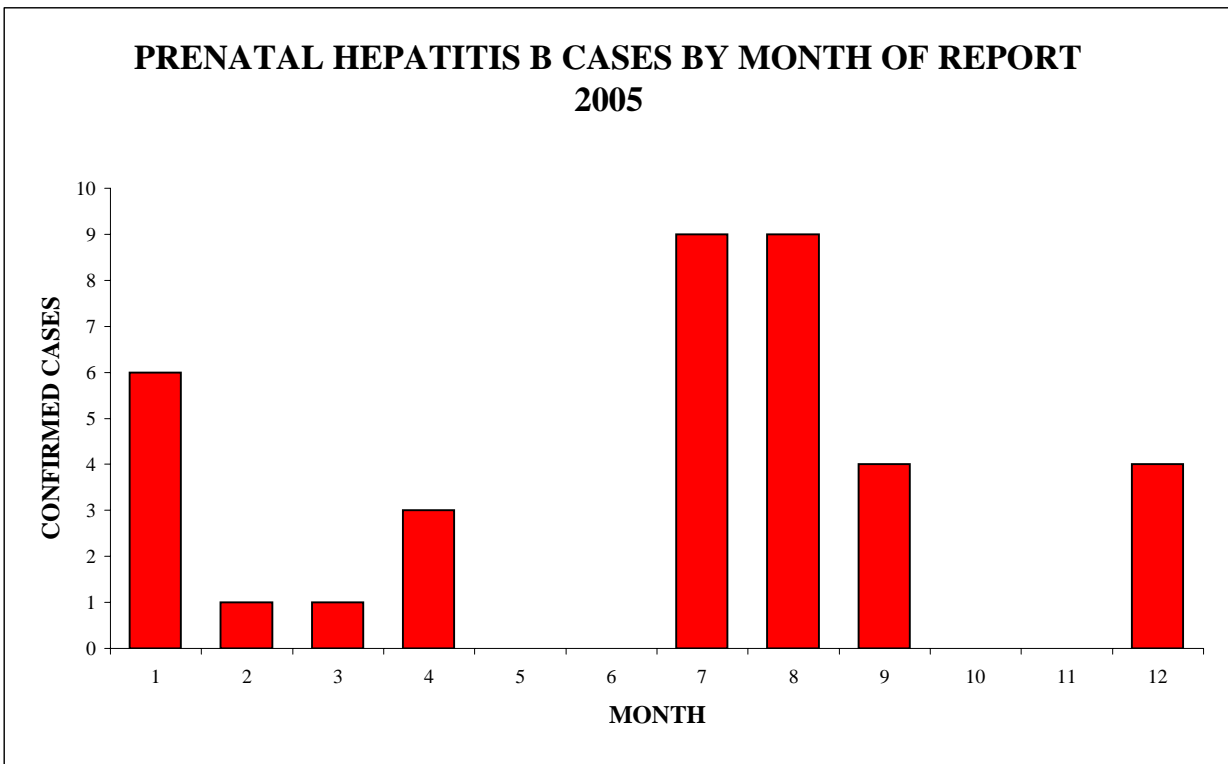
**HEPATITIS A RATES OF INFECTION
KANSAS CITY RESIDENTS
1996-2005**



*BASED ON KANSAS CITY 2000 CENSUS POPULATION DATA

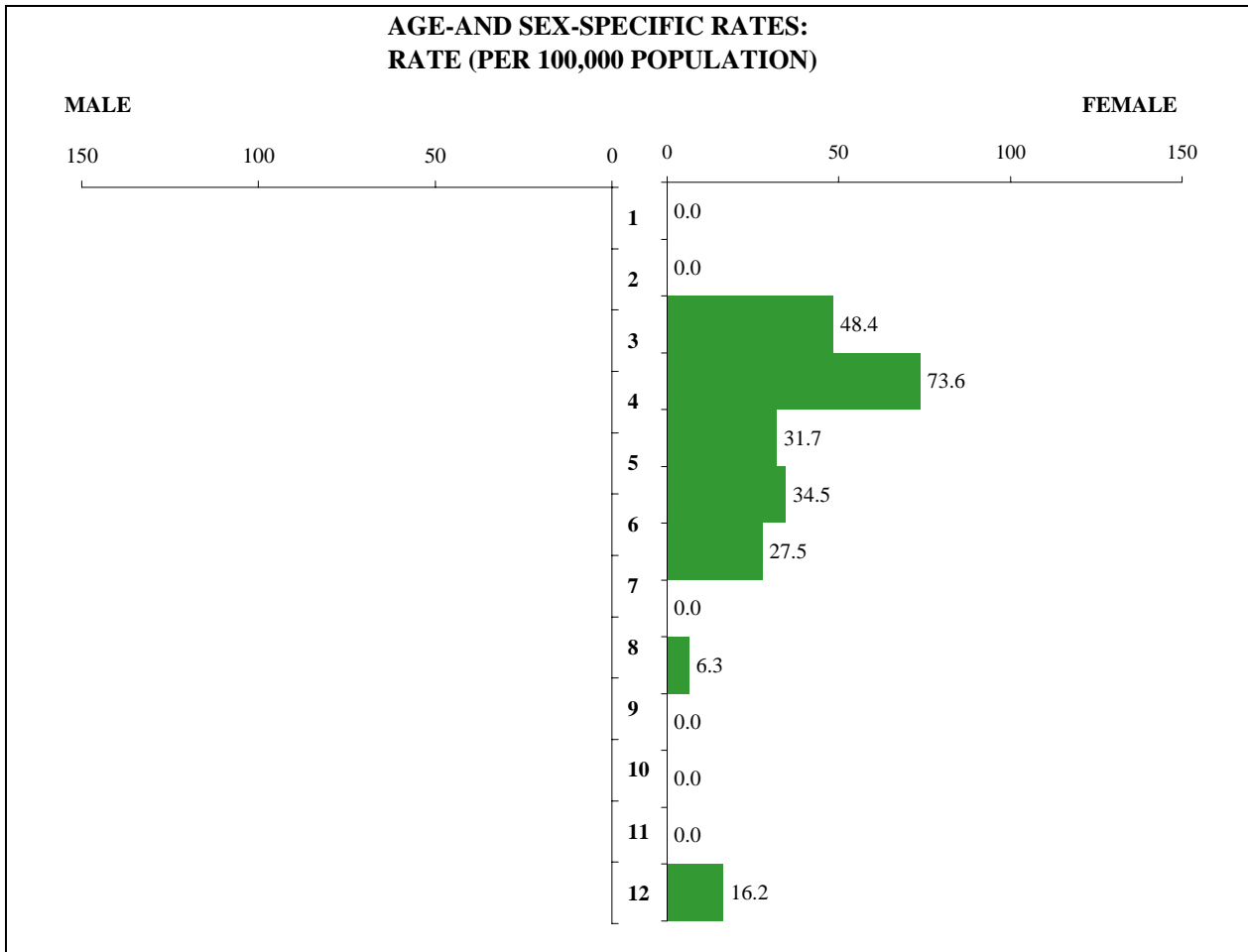
PRENATAL HEPATITIS B CASES BY MONTH AND YEAR

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2005	6	1	1	3	0	0	9	9	4	0	0	4	37



**REPORTED CASES
 PRENATAL HEPATITIS B
 BY AGE, RACE AND SEX
 KANSAS CITY RESIDENTS
 2005**

AGE	MALE						FEMALE							
	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	AGE TOTAL	
0-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19	0	0	0	0	0	0	0	2	3	2	0	7	7	7
20-24	0	0	0	0	0	0	2	0	8	1	1	12	12	12
25-29	0	0	0	0	0	0	2	1	2	1	0	6	6	6
30-34	0	0	0	0	0	0	4	0	1	0	1	6	6	6
35-39	0	0	0	0	0	0	1	0	3	1	0	5	5	5
40-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	1	0	0	0	0	1	1	1
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	10	3	17	5	2	37	37	37



**REPORTED CASES OF
 PRENATAL HEPATITIS B
 BY SELECTED DEMOGRAPHIC AND CASE INDICATORS
 KANSAS CITY RESIDENTS
 2005**

English Speaking

Yes	18	49%
No	11	30%
UnkNOWN	8	22%

Final Disposition

Fetal Death	2	5%
Case In Progress	11	30%
Lost to Follow-Up	6	16%
Mother False Pos	10	27%
Moved	1	3%
Not Pregnant	1	3%
Infant Serology Pos	4	11%
Transferred OOJ	2	5%

Country of Origin

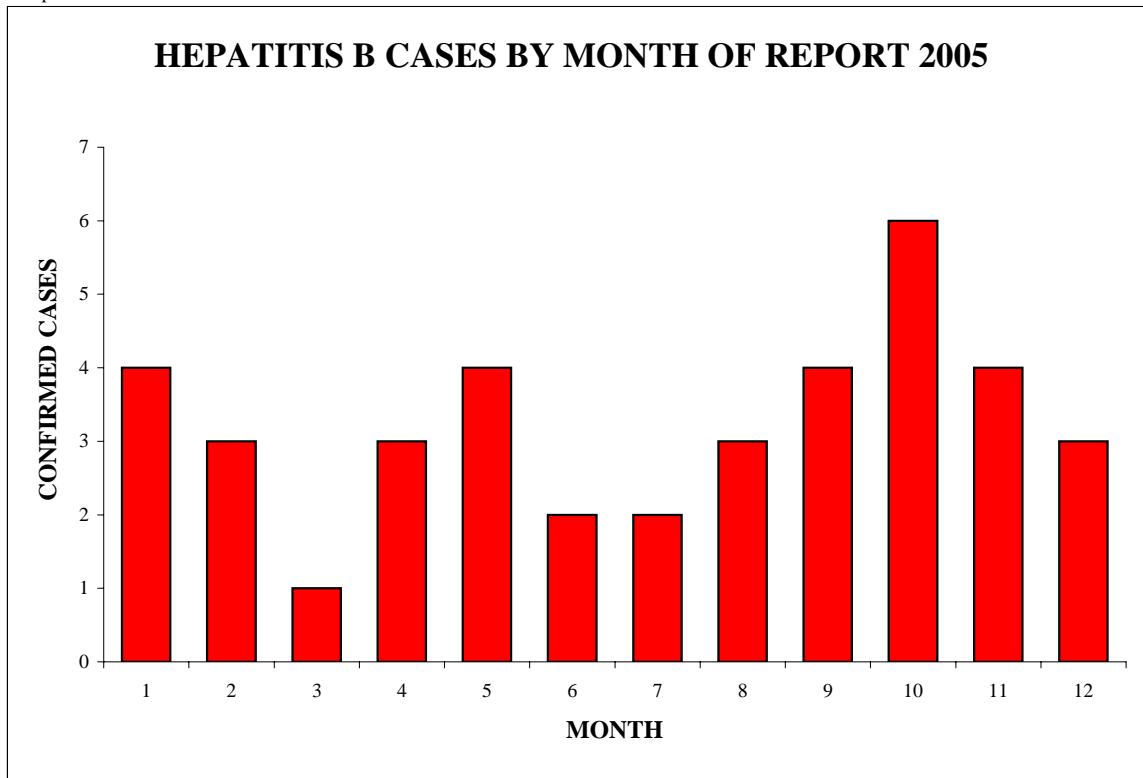
Cambodia	1	3%
China	2	5%
Ethiopia	1	3%
Haiti	1	3%
Somalia	2	5%
Taiwan	2	5%
Togo	1	3%
USA	14	38%
Vietnam	4	11%
Unknown	9	24%

Multiple Pregnancies with Hepatitis B Positivity

Yes	7	19%
No	30	81%

HEPATITIS B CASES BY MONTH AND YEAR

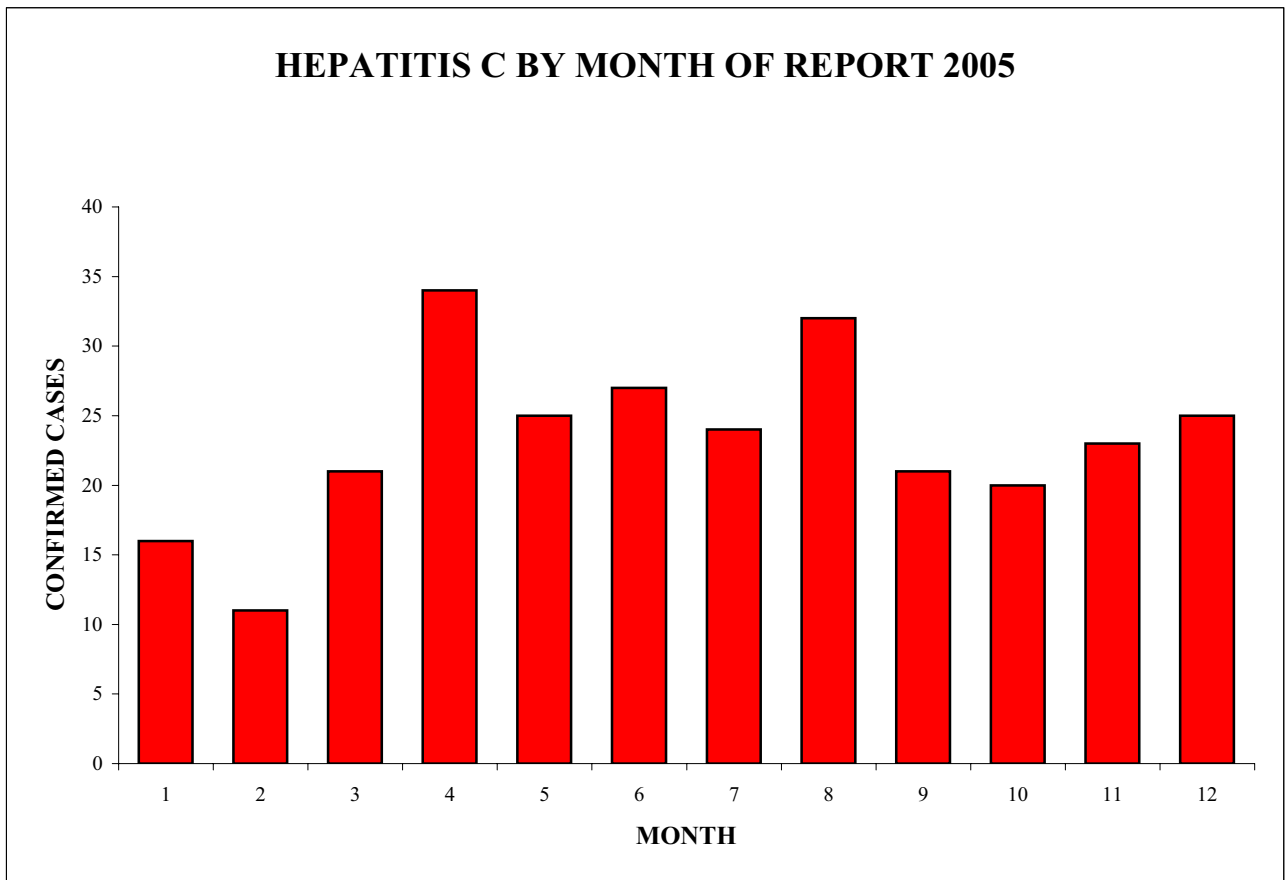
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	14	5	12	10	10	11	14	11	14	16	14	10	141
1997	18	15	15	14	11	6	13	7	6	11	10	3	129
1998	11	8	11	12	13	14	11	12	19	12	12	14	149
1999	11	13	17	11	9	11	9	10	6	11	11	9	128
2000	9	16	13	13	13	8	15	12	6	7	6	8	126
2001	7	8	6	10	12	4	9	12	8	16	13	12	117
2002	12	13	15	7	11	8	9	9	14	12	13	9	132
2003	10	7	12	10	13	18	17	18	16	20	13	13	167
2004*	1	3	2	1	1	2	1	0	0	2	2	0	15
Confirmed	0	0	0	0	0	0	0	0	0	0	0	0	
Probable	1	3	2	1	1	2	1	0	0	2	2	0	
Suspect	5	7	2	65	4	5	2	6	2	3	4	7	
2005*	4	3	1	3	4	2	2	3	4	6	4	3	39
Confirmed	0	0	0	0	0	0	0	0	0	0	0	0	
Probable	4	3	1	3	4	2	2	3	4	6	4	3	
Suspect	4	4	2	4	0	1	3	11	9	5	4	2	



*BEGINNING IN 2004 ONLY CONFIRMED AND PROBABLE CASES ARE REPORTED. INFORMATION ON SUSPECT CASES IS PROVIDED FOR REFERENCE ONLY

HEPATITIS C CASES BY MONTH AND YEAR

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	57	72	67	54	76	55	56	61	37	49	52	39	675
1997	54	45	60	58	42	41	46	49	53	47	41	50	586
1998	63	53	63	56	46	57	73	69	61	55	67	42	705
1999	67	52	69	55	58	44	60	53	57	58	62	57	692
2000	72	60	68	50	66	70	43	67	54	52	44	52	698
2001	57	62	71	63	62	44	52	72	50	62	68	48	711
2002	56	52	52	70	66	48	57	45	68	54	38	50	656
2003	62	51	53	56	55	56	65	51	42	47	43	50	631
2004*	17	22	38	17	14	25	17	16	14	12	22	9	223
2005*	16	11	21	34	25	27	24	32	21	20	23	25	279



*2004 AND 2005 COUNTS DO NOT INCLUDE SUSPECT CASES OR PRESUMPTIVE CASES. ONLY CONFIRMED AND PROBABLE CASES ARE COUNTED.

**DIVISION OF COMMUNICABLE DISEASE PREVENTION
& PUBLIC HEALTH PREPAREDNESS
KANSAS CITY, MISSOURI HEALTH DEPARTMENT
2005
ANNUAL REPORT**

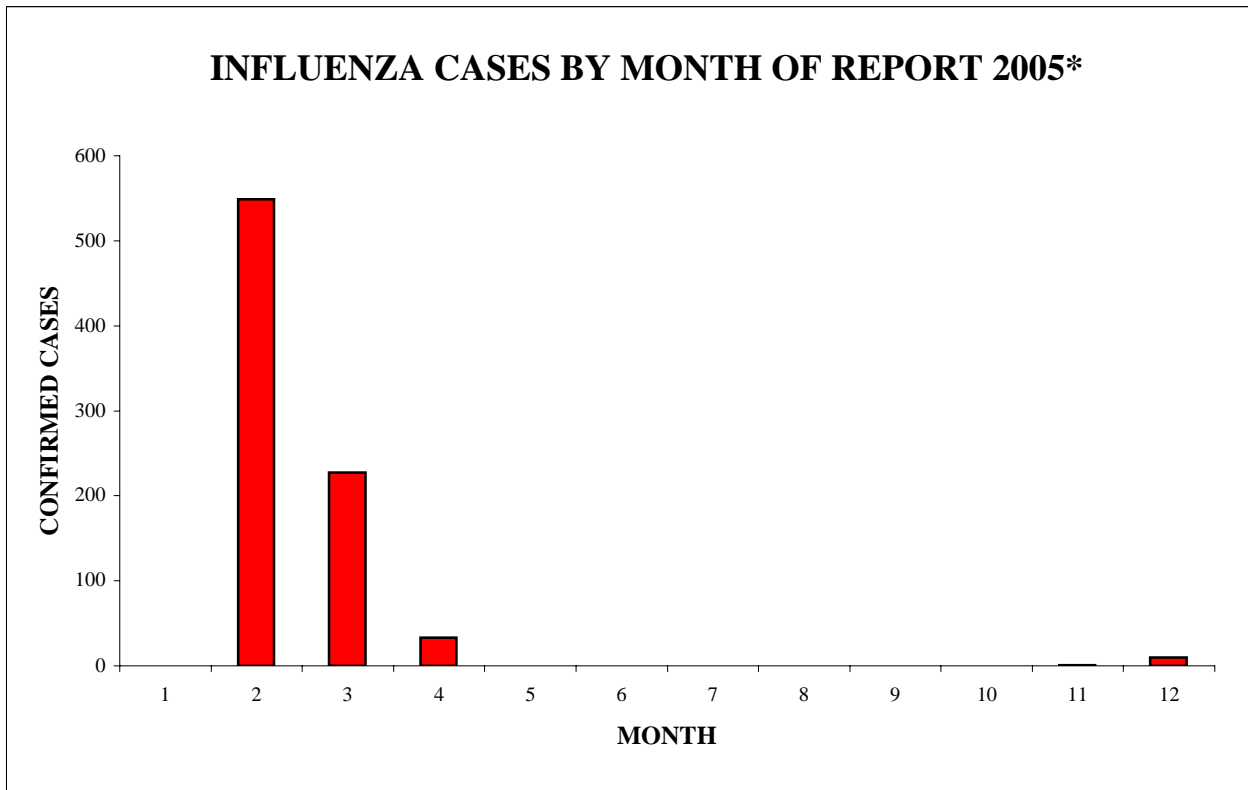
**VACCINE PREVENTABLE DISEASE
SURVEILLANCE**

SUBMITTED BY:
RON GRIFFIN, M.P.H.
DIVISION MANAGER

REPORT PREPARED BY:
Karen Miscavish, M.P.H.; Epidemiology Specialist

INFLUENZA CASES BY MONTH AND YEAR

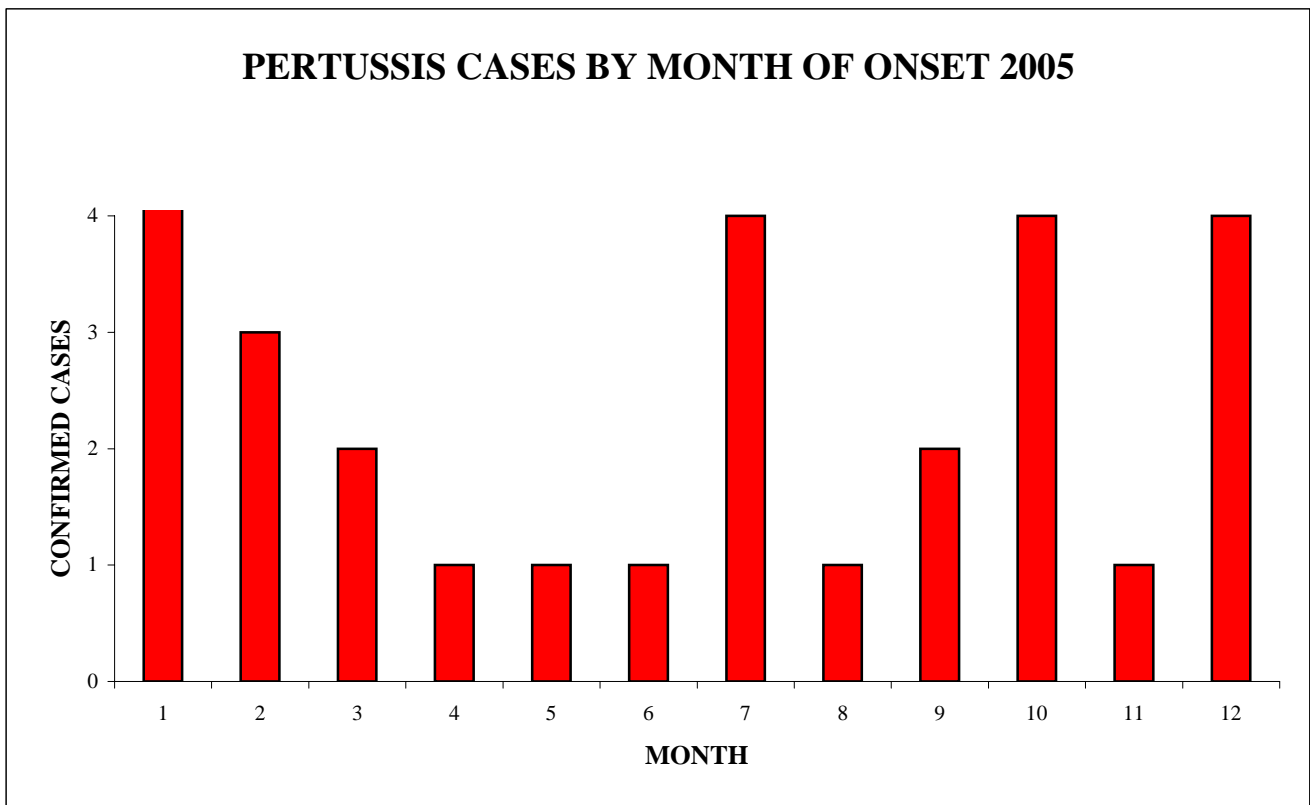
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	6	2	1	0	0	0	0	0	0	0	0	7	16
1997	5	0	0	0	0	0	0	0	1	0	0	1	7
1998	7	2	1	0	0	0	0	0	0	0	1	0	11
1999	2	5	7	2	1	1	0	0	0	0	1	92	111
2000	79	11	3	0	0	0	0	0	0	0	3	4	100
2001	78	6	1	0	1	0	0	0	0	0	0	3	89
2002	70	196	88	4	1	0	6	8	3	0	0	12	388
2003	173	106	31	0	1	0	0	0	0	1	360	457	1129
2004	135	0	6	0	0	0	0	0	0	0	0	0	141
2005	0	549	227	33	0	0	0	0	0	0	1	10	820



*DUE TO AGGREGATE INFLUENZA REPORTING, THE 2005 TOTAL MAY INCLUDE DUPLICATE REPORTS.

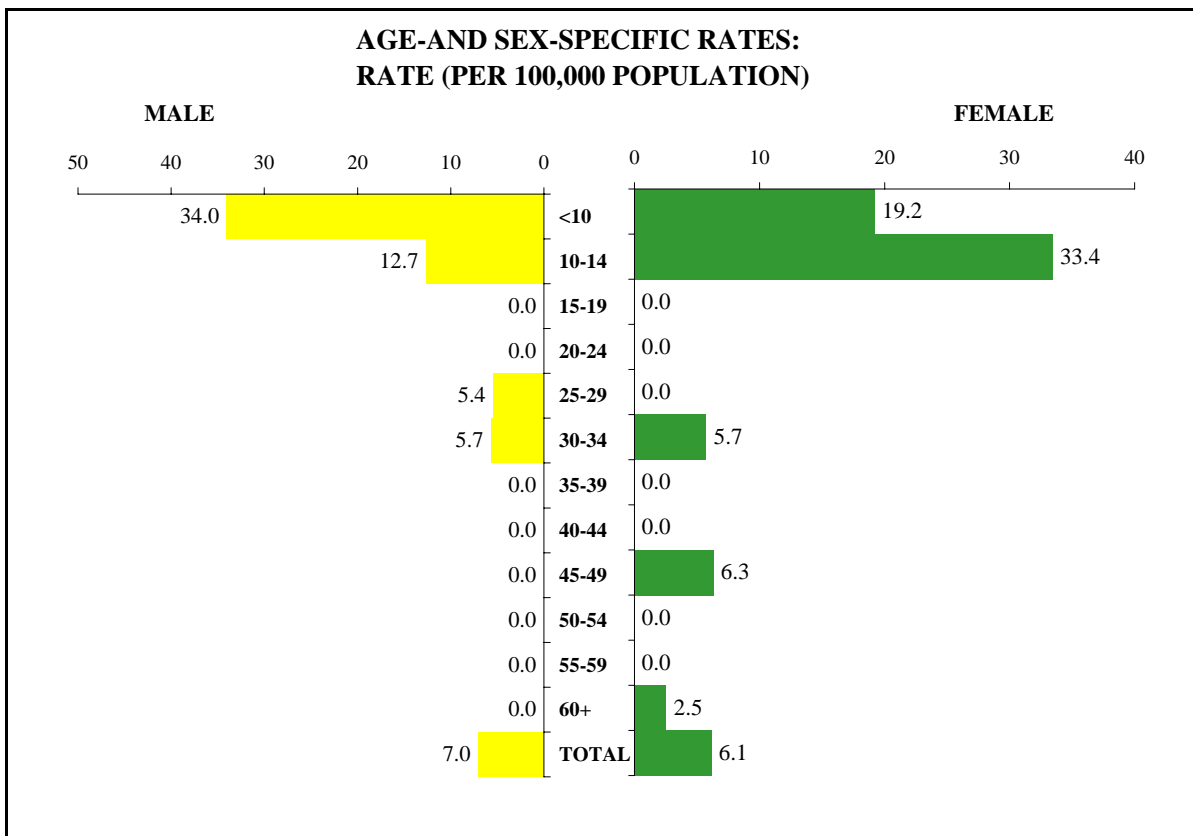
PERTUSSIS CASES BY MONTH AND YEAR

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	0	0	0	2	2	2	3	3	1	1	1	2	17
1997	2	0	1	1	1	1	1	1	0	4	0	0	12
1998	1	1	0	0	0	0	1	2	0	0	3	2	10
1999	2	1	0	1	1	4	6	2	1	0	1	1	20
2000	0	0	0	4	3	1	1	1	1	1	1	1	14
2001	0	0	0	0	1	2	0	0	0	0	1	0	4
2002	0	0	0	0	0	0	0	0	0	3	1	1	5
2003	2	0	0	1	1	2	0	0	0	0	2	1	9
2004	0	1	0	0	1	1	3	9	7	1	5	12	40
2005	5	3	2	1	1	1	4	1	2	4	1	4	29



**REPORTED CASES
PERTUSSIS
BY AGE, RACE AND SEX
KANSAS CITY RESIDENTS
2005**

AGE	MALE						FEMALE						
	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	AGE TOTAL
0-4	0	0	2	1	4	7	0	0	4	1	0	5	12
5-9	0	1	0	0	3	4	0	0	0	0	1	1	5
10-14	0	0	0	0	2	2	0	0	1	1	3	5	7
15-19	0	0	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	1	0	0	1	0	0	0	0	0	0	1
30-34	0	0	0	1	0	1	0	0	0	1	0	1	2
35-39	0	0	0	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0	1	1	1
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0	0	0	0
60+	0	0	0	0	0	0	0	0	0	0	1	1	1
UNK Age	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	1	3	2	9	15	0	0	5	3	6	14	29



**DIVISION OF COMMUNICABLE DISEASE PREVENTION
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KANSAS CITY, MISSOURI HEALTH DEPARTMENT
2005**

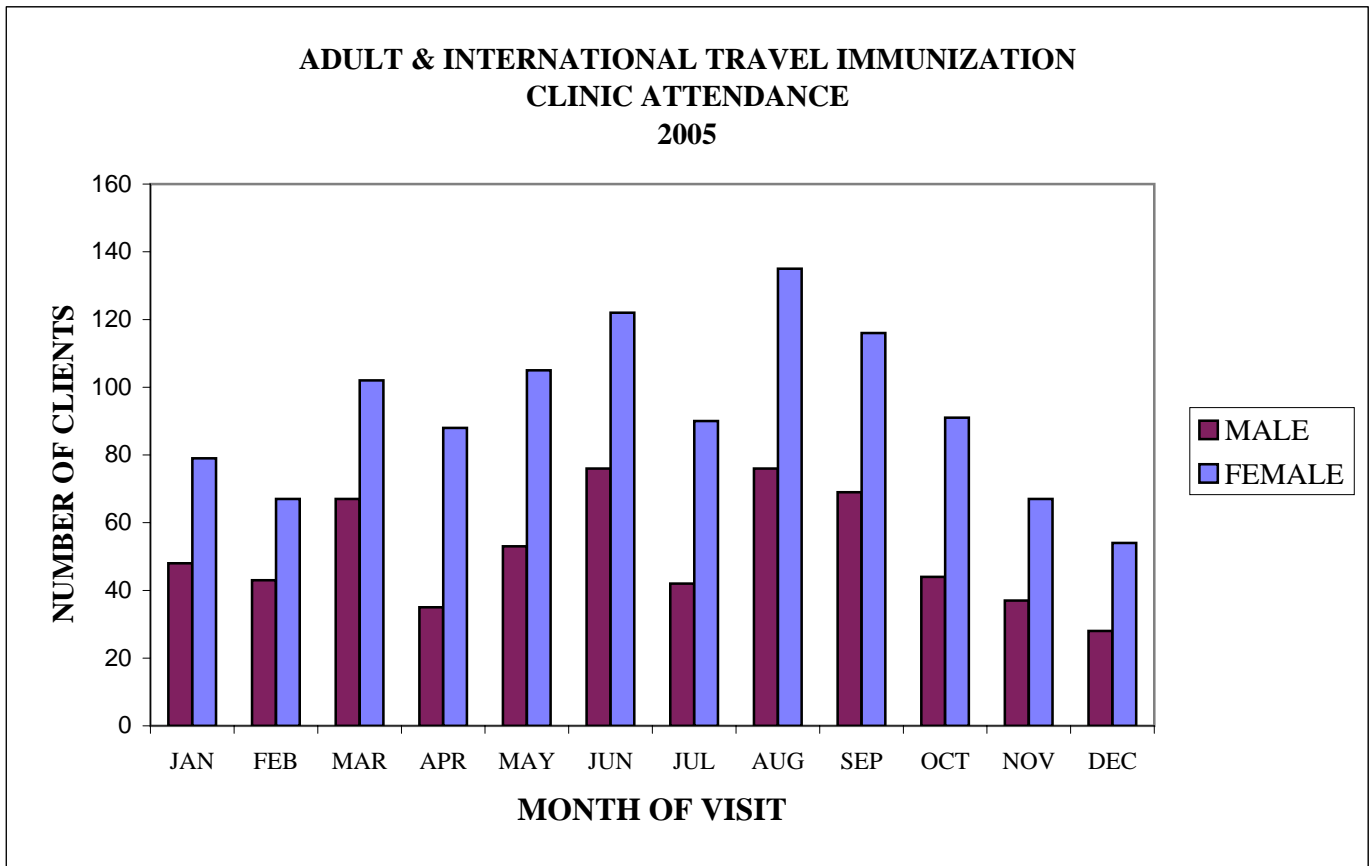
**ADULT & INTERNATIONAL TRAVEL IMMUNIZATIONS
ANNUAL REPORT**

SUBMITTED BY:
RON GRIFFIN, M.P.H.
DIVISION MANAGER

REPORT PREPARED BY:
Tiffany Wilkinson, M.P.H. Public Health Specialist III

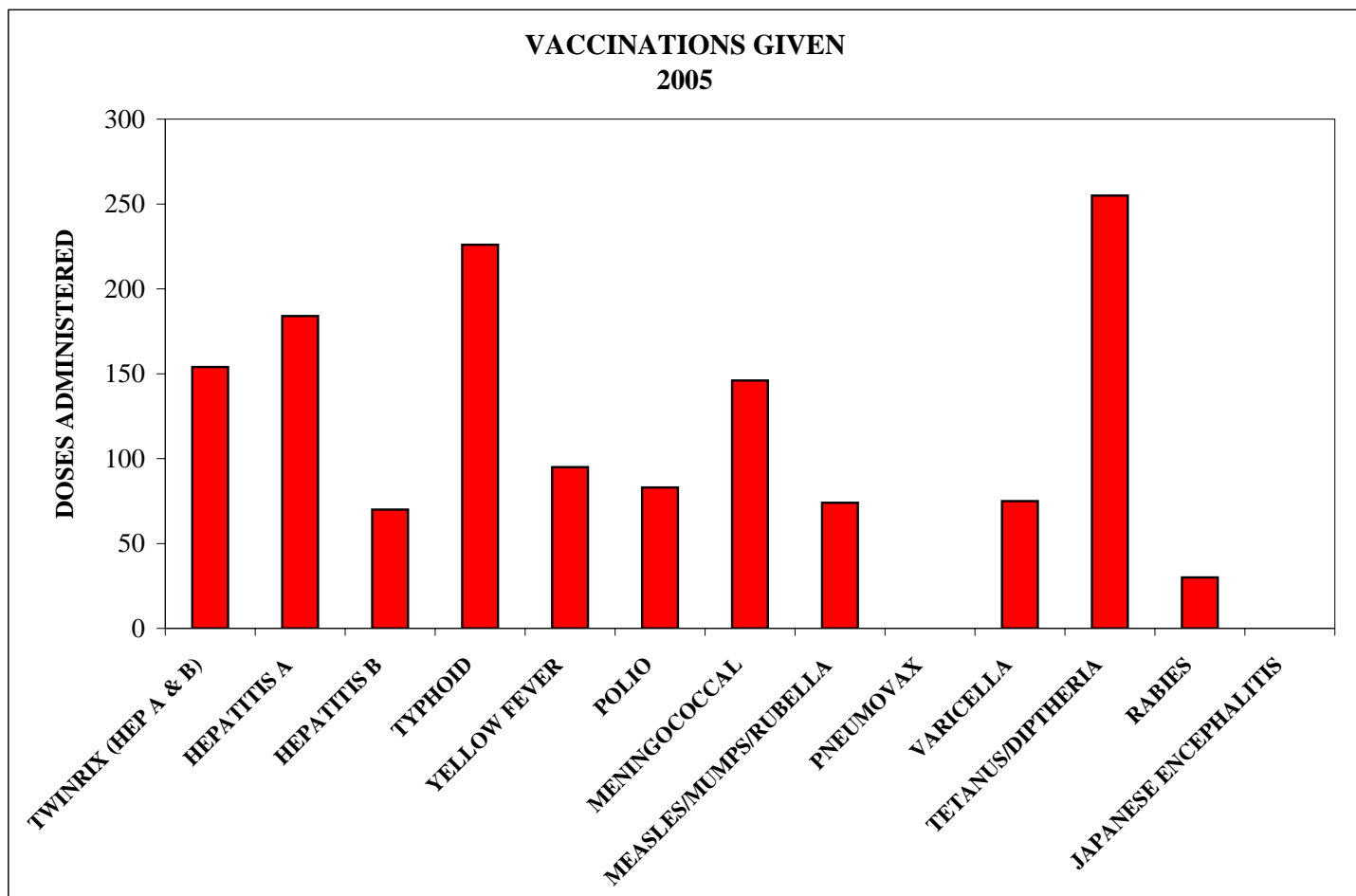
**ADULT & INTERNATIONAL TRAVEL IMMUNIZATION CLINIC ATTENDANCE
BY RACE, SEX AND MONTH OF VISIT
2005**

MONTH	MALE						FEMALE						TOTAL
	ASIAN	BLACK	HISP	AM IND	WHITE	TOTAL	ASIAN	BLACK	HISP	AM IND	WHITE	TOTAL	
JAN	3	14	6	0	25	48	7	41	5	0	26	79	127
FEB	1	17	9	0	16	43	1	38	4	0	24	67	110
MAR	0	39	4	0	24	67	6	68	3	0	25	102	169
APR	3	13	4	0	15	35	3	59	5	0	21	88	123
MAY	2	23	2	0	26	53	4	62	5	0	34	105	158
JUN	3	30	2	0	41	76	9	66	2	0	45	122	198
JUL	1	17	1	0	23	42	0	50	4	0	36	90	132
AUG	2	42	3	0	29	76	8	73	6	0	48	135	211
SEP	1	24	2	0	42	69	4	65	5	0	42	116	185
OCT	1	17	0	0	26	44	3	61	6	0	21	91	135
NOV	5	9	0	0	23	37	2	40	3	0	22	67	104
DEC	6	7	0	0	15	28	5	35	1	0	13	54	82
TOTAL	21	169	10	0	225	425	35	452	32	0	261	780	1205



**ADULT & INTERNATIONAL TRAVEL IMMUNIZATIONS
BY VACCINE TYPE AND MONTH
2005**

VACCINATIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TWINRIX (HEP A & B)	6	7	18	11	9	27	10	18	15	14	12	7	154
HEPATITIS A	15	8	22	14	18	20	10	6	46	7	11	7	184
HEPATITIS B	1	2	8	2	9	8	10	10	5	6	3	6	70
TYPHOID	19	9	8	0	26	49	15	17	40	11	17	15	226
YELLOW FEVER	5	11	14	4	4	24	4	5	4	6	10	4	95
POLIO	11	7	13	1	7	18	4	8	4	1	5	4	83
MENINGOCOCCAL	4	2	6	1	15	23	23	62	3	2	4	1	146
MEASLES/MUMPS/RUBELLA	9	15	21	11	12	1	1	2	2	0	0	0	74
PNEUMOVAX	0	0	0	0	0	0	0	0	0	0	0	0	0
VARICELLA	11	12	26	10	10	0	0	1	4	0	0	1	75
TETANUS/DIPHTHERIA	23	23	43	26	24	27	9	14	40	12	9	5	255
RABIES	0	4	1	2	7	4	4	5	0	0	2	1	30
JAPANESE ENCEPHALITIS	0	0	0	0	0	0	0	0	0	0	0	0	0
TUBERCULOSIS SKIN TEST	54	45	72	65	59	77	54	92	94	81	60	41	794



**DIVISION OF COMMUNICABLE DISEASE PREVENTION
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KANSAS CITY, MISSOURI HEALTH DEPARTMENT
2005
ANNUAL REPORT**

**MISCELLANEOUS
COMMUNICABLE DISEASES**

SUBMITTED BY:
RON GRIFFIN, M.P.H.
DIVISION MANAGER

REPORT PREPARED BY:
Karen Miscavish, M.P.H.; Epidemiology Specialist

**ANNUAL SUMMARY
KANSAS CITY, MO RESIDENTS
2005***

ENTERIC AND SYSTEMIC VIRAL DISEASE	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996
CAMPYLOBACTER ENTERITIS	36	32	25	31	39	52	39	31	22	50
ESCHERICHIA COLI O157:H7	1	2	7	1	3	4	0	5	2	4
FOODBORNE ILLNESS INVESTIGATIONS ¹	33	89	112	194	108	190	106	33	116	61
HEPATITIS A	3	1	14	6	23	54	74	41	42	115
HEPATITIS B	39	55	167	132	117	126	128	149	129	141
HEPATITIS C ¹	279	223	631	656	711	698	692	705	586	675
INFLUENZA	820	141	1129	388	89	100	111	11	7	16
SALMONELLOSIS	46	34	35	28	38	53	45	54	87	58
SHIGELLOSIS	349	11	9	6	16	197	22	10	20	15
YERSINIOSIS	0	0	0	3	4	4	2	4	6	3
CNS AND SYSTEMIC BACTERIAL	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996
ENCEPHALITIS	0	0	0	0	1	0	1	0	0	0
WEST NILE VIRUS	1	8	8	5	0	0	0	0	0	0
MENINGITIS										
Aseptic ²	20	---	7	8	13	20	8	18	8	7
H. Influenzae	7	0	0	0	0	1	0	0	2	0
Meningococcal	5	1	2	4	2	5	6	6	11	2
Other Bacterial	2	1	3	6	7	8	7	3	5	4
Viral	---	---	5	8	81	27	6	70	30	12
ZOONOSES	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996
Animal Rabies	2	0	1	0	0	1	0	4	3	0
OTHER DISEASES/CONDITIONS	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996
CHLAMYDIA	4215	4385	3695	2951	2323	3330	3234	2924	2662	3165
CRYPTOSPORIDIOSIS	6	7	10	4	8	11	2	2	1	2
GONORRHEA	2420	2567	2356	2491	2010	2772	2306	2440	1962	2165
HIV INFECTION ³	117	122	112	113	130	114	128	128	138	148
LEGIONELLOSIS	6	1	2	2	2	3	1	0	3	3
LISTERIOSIS	0	0	0	0	0	0	0	2	0	0
LYME DISEASE ¹	0	0	4	4	3	4	5	3	1	6
MALARIA	2	1	0	1	1	1	2	3	3	2
PERTUSSIS	29	40	9	5	4	14	20	10	12	17
RUBELLA	0	0	0	0	0	0	0	1	0	0
RUBEOLA	0	0	0	0	0	0	0	0	0	1
INVASIVE GRP A STREP INFECTION	10	4	9	14	10	7	12	7	8	8
PRIMARY & SECONDARY SYPHILIS	61	23	16	7	5	1	11	6	2	7
TUBERCULOSIS CASES ⁴	24	21	26	28	32	42	42	39	39	51
TUBERCULOSIS INFECTION	650	544	496	553	797	679	776	830	715	489

¹Includes suspect cases through 2003

²Includes Fungal Meningitis

³Based on Diagnosis Date

⁴Includes *M.bovis* cases (1 in 2002, 2 in 2001 and 1 in 1997)

*Beginning in 2004, only confirmed and probable cases by CDC case definition are counted.

**ANNUAL REPORT
DISEASES/CONDITIONS OF LOW FREQUENCY
2005**

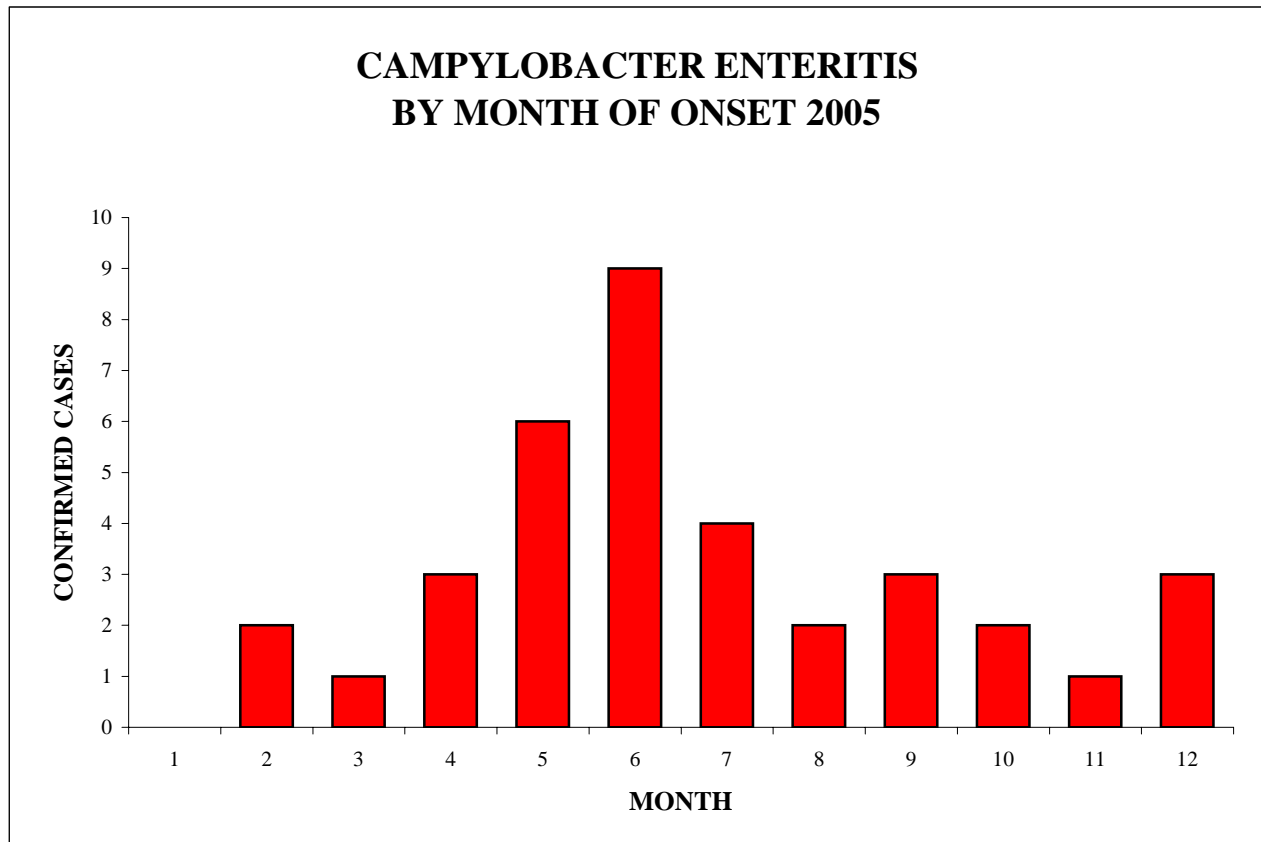
	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996
AMEBIASIS	0	0	0	0	1	3	8	11	0	2
BRUCELLOSIS	0	0	0	0	0	0	0	0	0	0
CHOLERA	0	0	0	0	0	0	0	0	0	0
CRYPTOSPORIDIOSIS	6	7	10	4	8	11	2	2	1	2
ESCHERICHIA COLI O157:H7	1	2	7	1	3	4	0	5	2	4
EHRlichiosis	3	4	3	2	2	2	0	1	1	1
ENCEPHALITIS	0	0	0	0	1	0	1	0	0	0
HAEMOPHILUS INFLUENZA (INVASIVE)**	7	4	1	3	0	4	2	0	0	1
HISTOPLASMOSIS	0	0	0	0	1	0	0	2	1	0
LEGIONELLOSIS	6	1	2	2	2	3	1	0	3	3
LEPTOSPIROSIS	0	0	0	0	0	0	0	0	0	0
LISTERIOSIS	0	0	0	0	0	0	0	2	0	0
LYME DISEASE*	0	0	4	4	3	4	5	3	1	6
MALARIA	2	1	0	1	1	1	2	3	3	2
ROCKY MOUNTAIN SPOTTED FEVER*	3	1	1	6	1	4	0	1	0	0
TOXIC SHOCK SYNDROME	4	0	0	0	2	2	1	0	0	1
TULAREMIA	0	0	0	1	0	0	0	0	1	0
TYPHOID FEVER	0	1	0	0	2	1	0	0	0	2
VIBRIO INFECTION	0	0	0	0	0	0	0	0	0	0
WEST NILE VIRUS INFECTION	1	8	8	5	0	0	0	0	0	0

*Includes suspect cases through 2003; only confirmed and probable cases counted in 2004 and 2005.

**Positive blood cultures only, bacterial meningitis counted separately

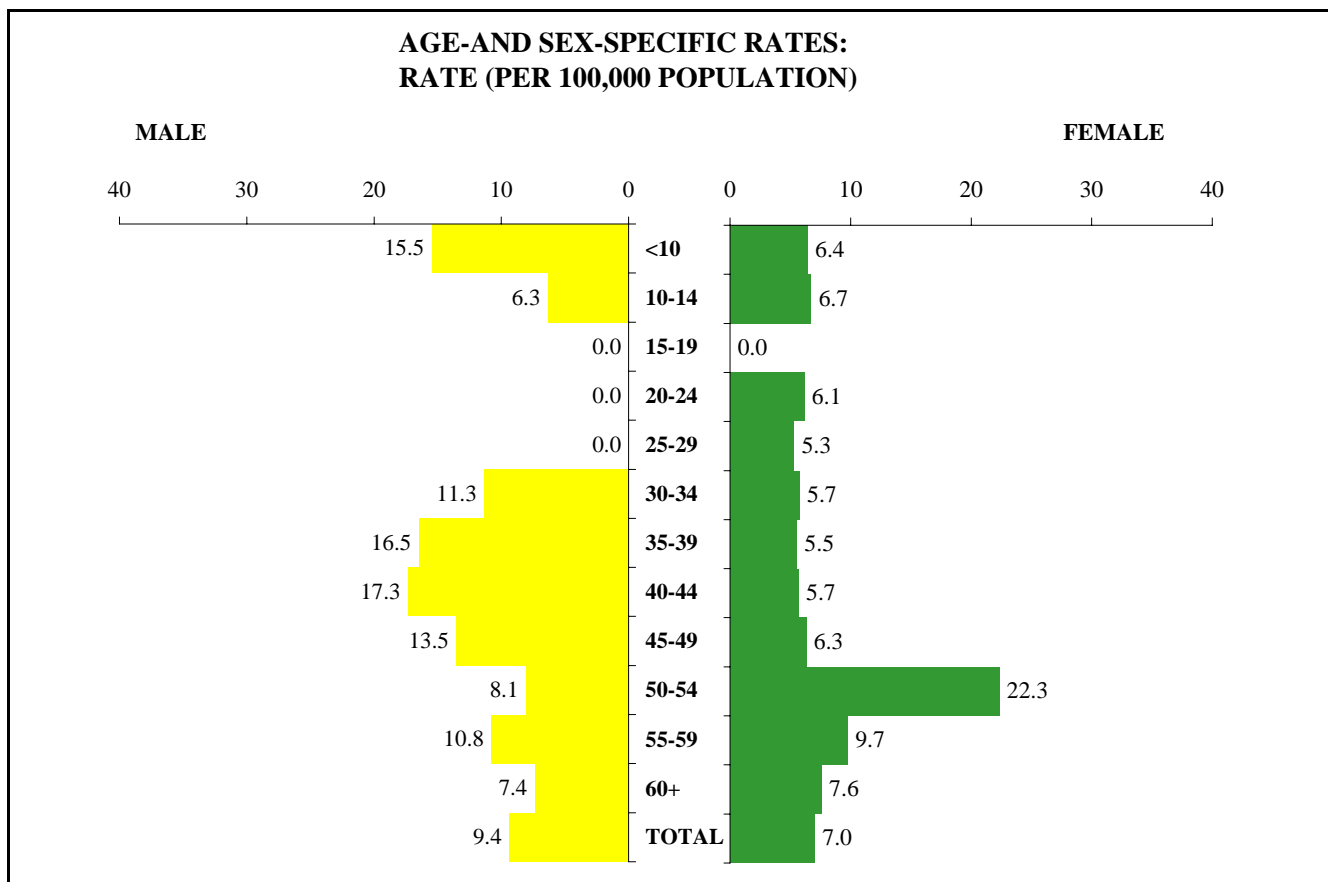
CAMPYLOBACTER ENTERITIS BY YEAR AND MONTH

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	3	3	1	2	2	9	8	5	9	4	3	1	50
1997	1	0	3	0	3	4	3	4	1	0	2	1	22
1998	0	2	1	1	8	4	3	2	1	1	4	4	31
1999	1	1	2	2	4	6	5	6	0	2	7	3	39
2000	3	4	1	3	4	9	6	8	9	2	1	2	52
2001	0	0	2	1	3	5	6	9	3	5	4	1	39
2002	1	0	1	2	2	3	5	5	6	3	3	0	31
2003	1	0	1	0	2	1	3	5	4	4	2	2	25
2004	1	1	1	3	3	6	6	1	3	2	2	3	32
2005	0	2	1	3	6	9	4	2	3	2	1	3	36

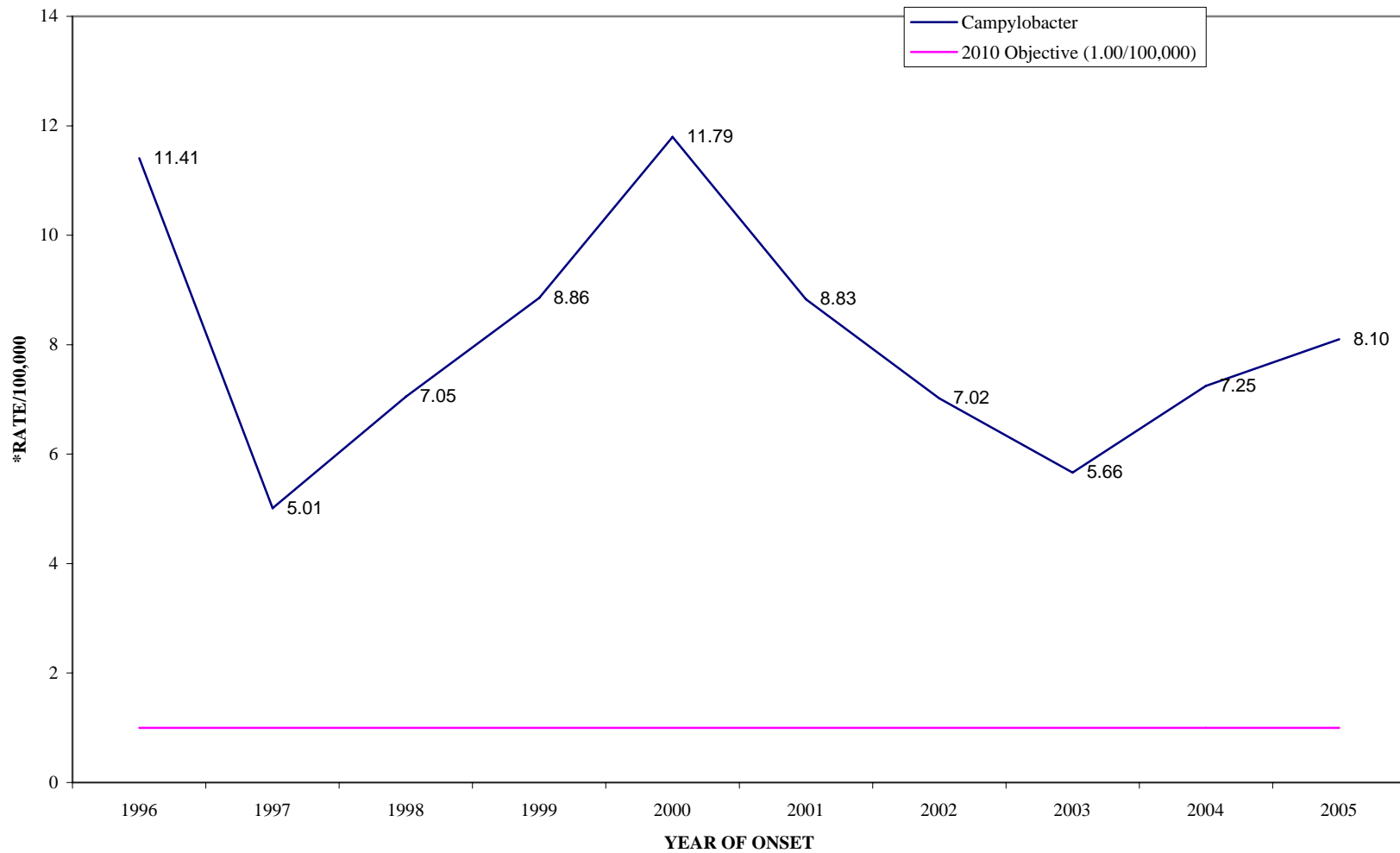


**REPORTED CASES
CAMPYLOBACTER ENTERITIS
BY AGE, SEX AND RACE
KANSAS CITY RESIDENTS
2005**

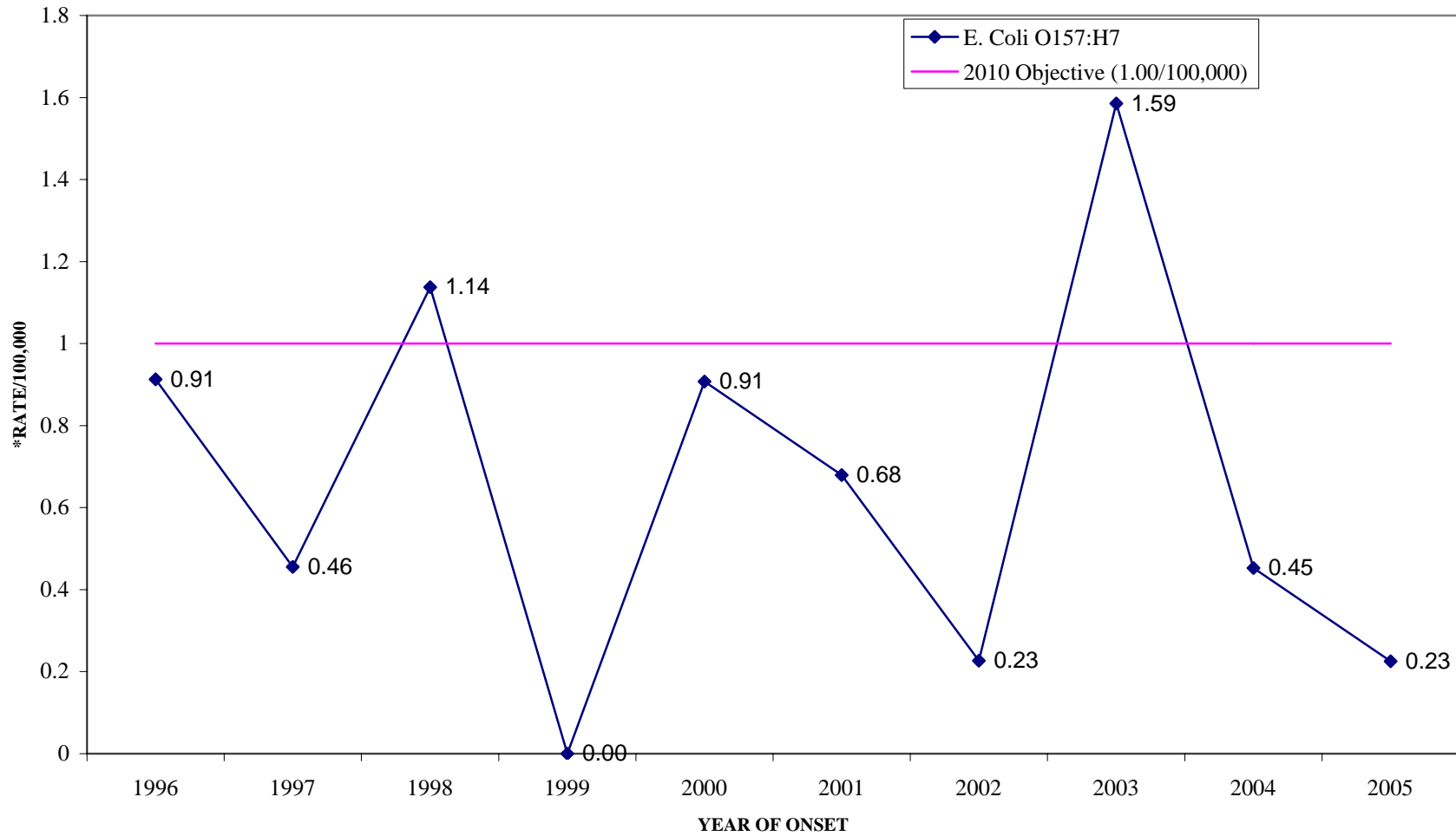
AGE	MALE						FEMALE						
	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	AGE TOTAL
0-4	0	2	1	0	1	4	0	0	1	1	0	2	6
5-9	0	0	0	0	1	1	0	0	0	0	0	0	1
10-14	0	0	0	1	0	1	1	0	0	0	0	1	2
15-19	0	0	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	1	1	1
25-29	0	0	0	0	0	0	0	0	0	1	0	1	1
30-34	0	0	0	1	1	2	0	0	1	0	0	1	3
35-39	0	0	1	1	1	3	0	0	0	1	0	1	4
40-44	0	0	0	3	0	3	0	0	0	0	1	1	4
45-49	0	0	1	1	0	2	0	0	0	1	0	1	3
50-54	0	0	0	0	1	1	0	0	1	1	1	3	4
55-59	0	0	0	0	1	1	0	0	0	1	0	1	2
60+	0	0	0	0	2	2	0	0	1	1	1	3	5
Grand Total	0	2	3	7	8	20	1	0	4	7	4	16	36



**CAMPYLOBACTER RATES OF INFECTION
KANSAS CITY RESIDENTS
1996-2005**



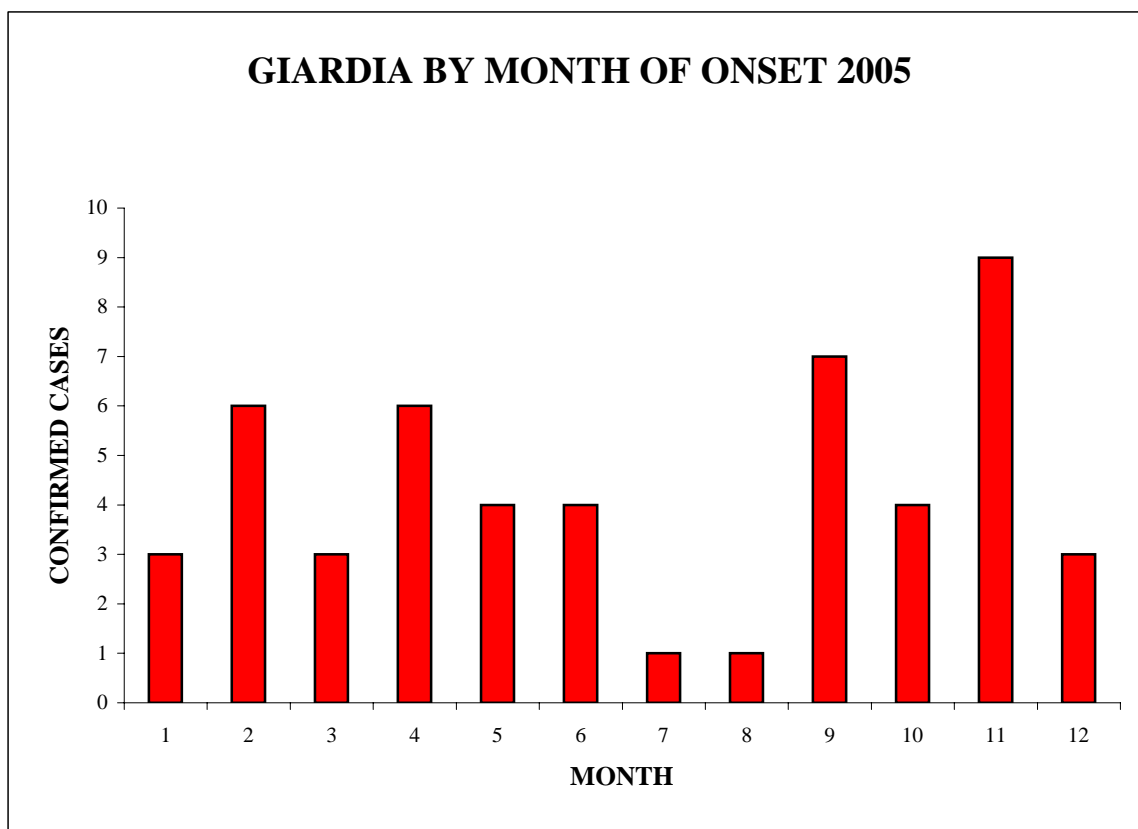
**ESCHERICHIA COLI O157:H7 RATES OF INFECTION
KANSAS CITY RESIDENTS
1996-2005**



*BASED ON KANSAS CITY 2000 CENSUS POPULATION DATA

GIARDIA BY YEAR AND MONTH

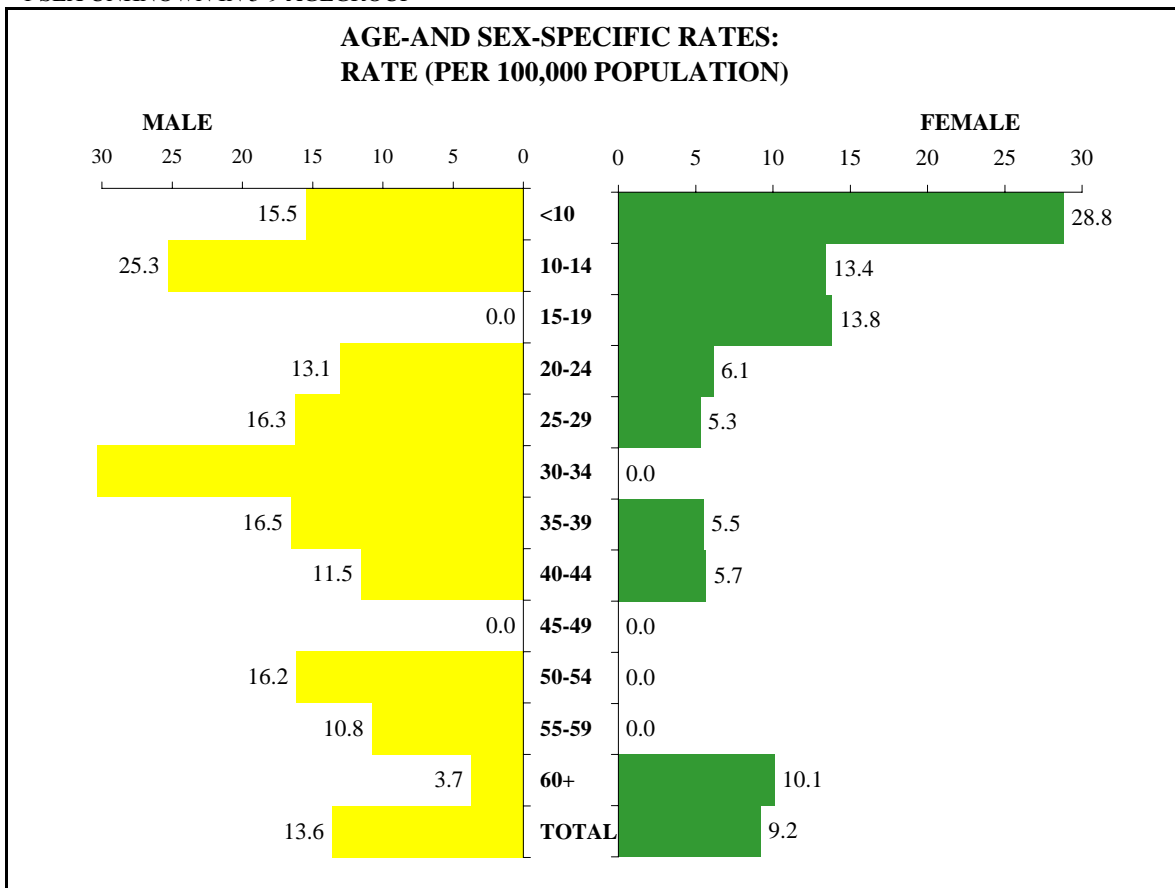
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	2	2	5	2	1	6	9	6	4	6	0	1	44
1997	4	5	4	1	4	3	3	7	6	8	6	3	54
1998	1	3	3	1	4	4	6	8	3	7	4	2	46
1999	1	2	3	4	1	1	5	4	4	2	2	4	33
2000	3	2	4	5	2	5	10	6	3	13	4	8	65
2001	5	0	0	0	0	0	0	1	0	0	0	0	6
2002	0	3	0	3	4	6	4	4	3	2	3	2	34
2003	2	2	3	1	1	3	9	4	3	2	3	3	36
2004	4	7	1	3	5	4	1	4	9	3	4	2	47
2005	3	6	3	6	4	4	1	1	7	4	9	3	51



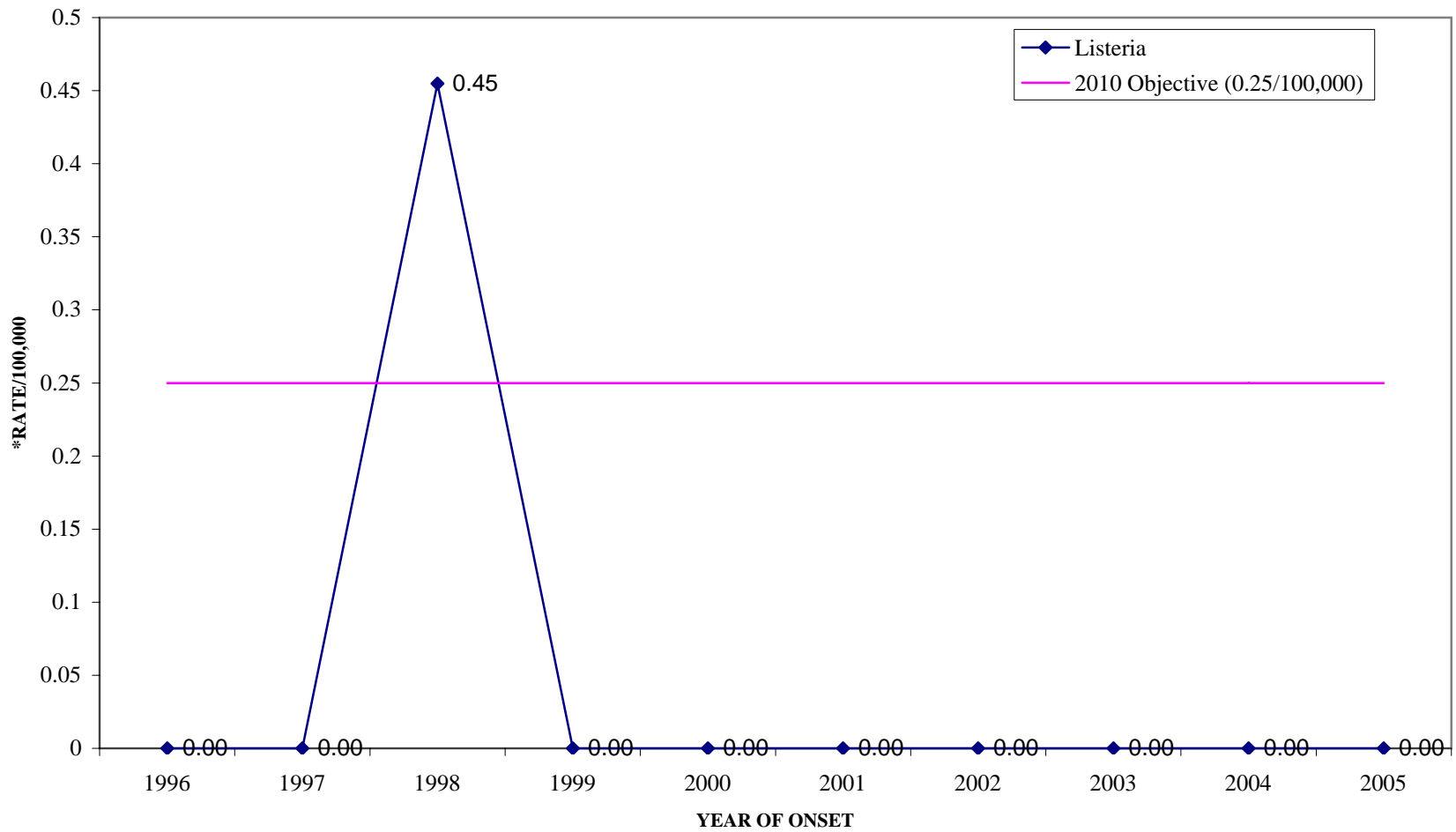
**REPORTED CASES
GIARDIA
BY AGE, RACE AND SEX
KANSAS CITY RESIDENTS
2005**

AGE	MALE						FEMALE						
	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	AGE TOTAL
0-4	0	0	1	3	0	4	0	0	0	4	2	6	10
5-9	0	0	0	1	0	1	0	0	0	2	1	3	4
10-14	0	2	0	2	0	4	0	0	1	1	0	2	6
15-19	0	0	0	0	0	0	0	0	0	1	1	2	2
20-24	0	2	0	0	0	2	0	0	0	1	0	1	3
25-29	0	1	0	1	1	3	0	0	0	1	0	1	4
30-34	1	2	0	2	1	6	0	0	0	0	0	0	6
35-39	0	0	2	1	0	3	0	0	0	1	0	1	4
40-44	0	0	1	1	0	2	0	1	0	0	0	1	3
45-49	0	0	0	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	1	1	2	0	0	0	0	0	0	2
55-59	0	0	0	0	1	1	0	0	0	0	0	0	1
60+	0	0	0	1	0	1	0	0	1	1	2	4	5
Grand Total	1	7	4	13	4	29	0	1	2	12	6	21	50

*1 SEX UNKNOWN IN 5-9 AGE GROUP



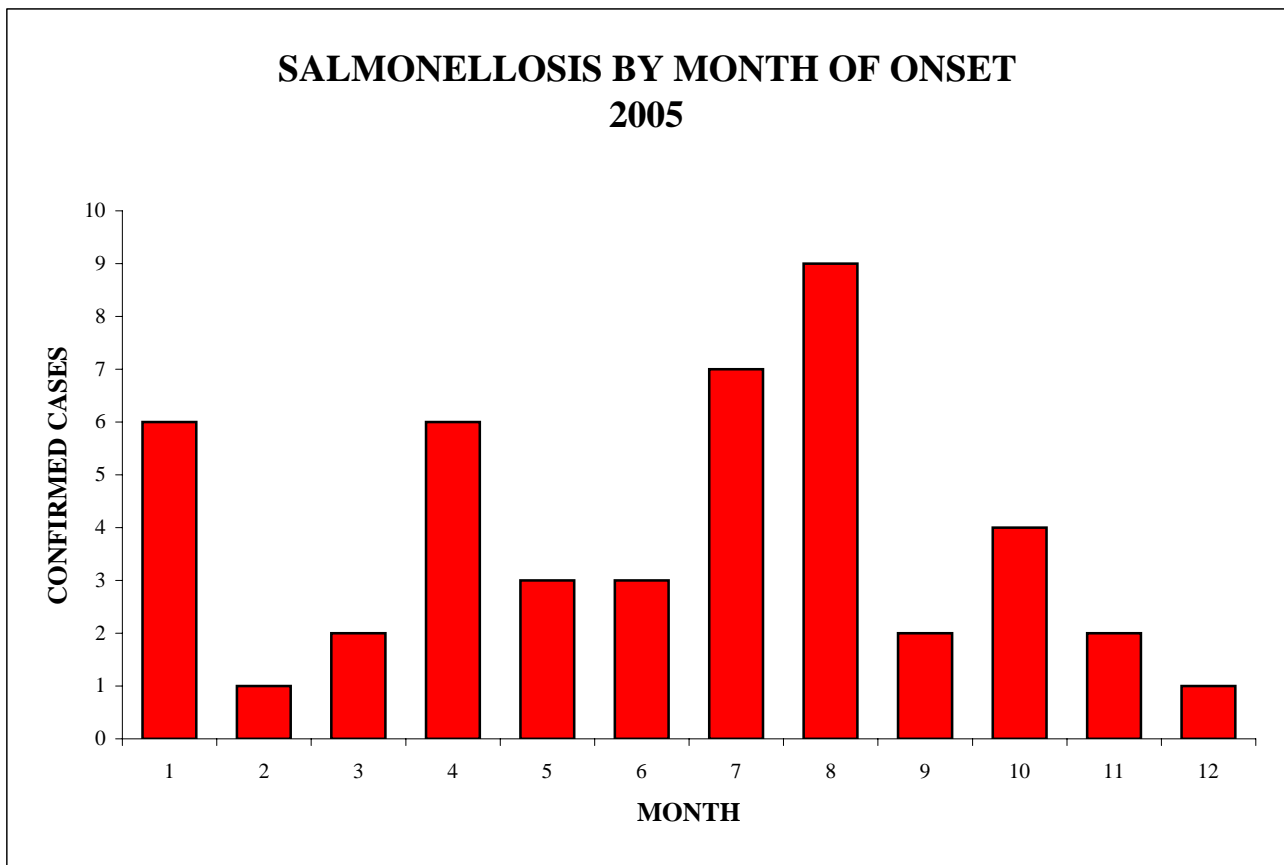
LISTERIA RATES OF INFECTION KANSAS CITY RESIDENTS 1996-2005



*BASED ON KANSAS CITY 2000 CENSUS POPULATION DATA

SALMONELLOSIS BY YEAR AND MONTH

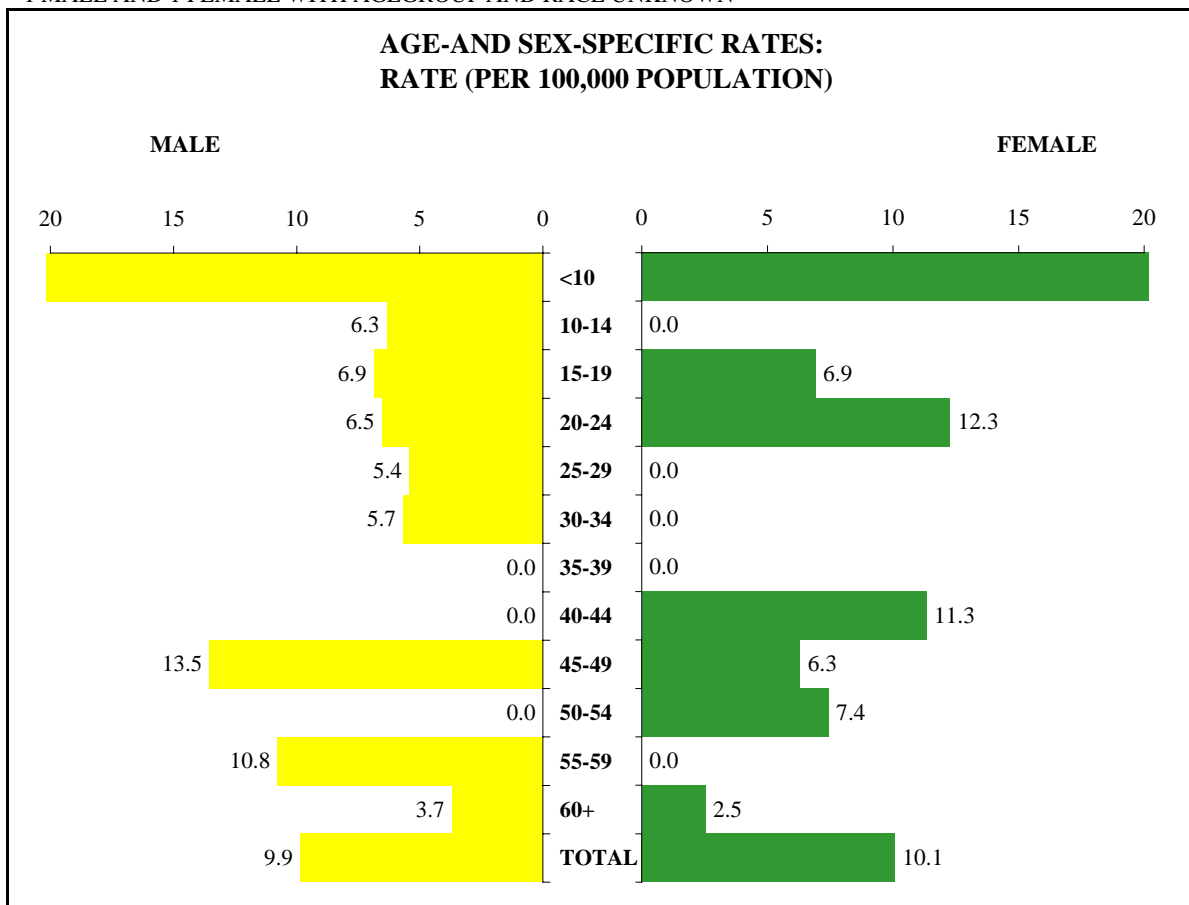
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	1	0	2	2	5	6	1	4	14	20	2	1	58
1997	3	4	3	44	9	7	4	4	5	0	1	3	87
1998	3	2	3	3	4	8	18	5	2	0	2	4	54
1999	4	3	1	9	2	2	1	8	7	2	5	1	45
2000	1	0	7	7	3	5	4	10	2	4	3	7	53
2001	2	1	1	0	3	5	4	3	3	6	5	5	38
2002	1	1	2	1	4	2	3	4	2	3	1	4	28
2003	0	7	2	2	0	2	4	7	2	2	4	3	35
2004	3	0	2	2	4	2	5	4	3	1	0	8	34
2005	6	1	2	6	3	3	7	9	2	4	2	1	46



**REPORTED CASES
SALMONELLOSIS
BY AGE, RACE AND SEX
KANSAS CITY RESIDENTS
2005**

AGE	MALE						FEMALE						
	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	ASIAN	HISP	BLACK	UNK	WHITE	AGE SUB TOTAL	AGE TOTAL
0-4	1	2	0	3	1	7	0	2	3	3	2	10	17
5-9	0	0	4	1	0	5	1	0	0	3	1	5	10
10-14	0	0	1	0	0	1	0	0	0	0	0	0	1
15-19	0	0	0	1	0	1	0	0	0	1	0	1	2
20-24	0	0	0	0	1	1	0	0	0	2	0	2	3
25-29	0	0	0	1	0	1	0	0	0	0	0	0	1
30-34	0	0	0	1	0	1	0	0	0	0	0	0	1
35-39	0	0	0	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	2	0	2	2
45-49	0	1	0	0	1	2	0	0	0	1	0	1	3
50-54	0	0	0	0	0	0	0	0	1	0	0	1	1
55-59	0	1	0	0	0	1	0	0	0	0	0	0	1
60+	0	0	1	0	0	1	0	0	0	1	1	1	2
Grand Total	1	4	6	7	3	21	1	2	4	12	4	23	44

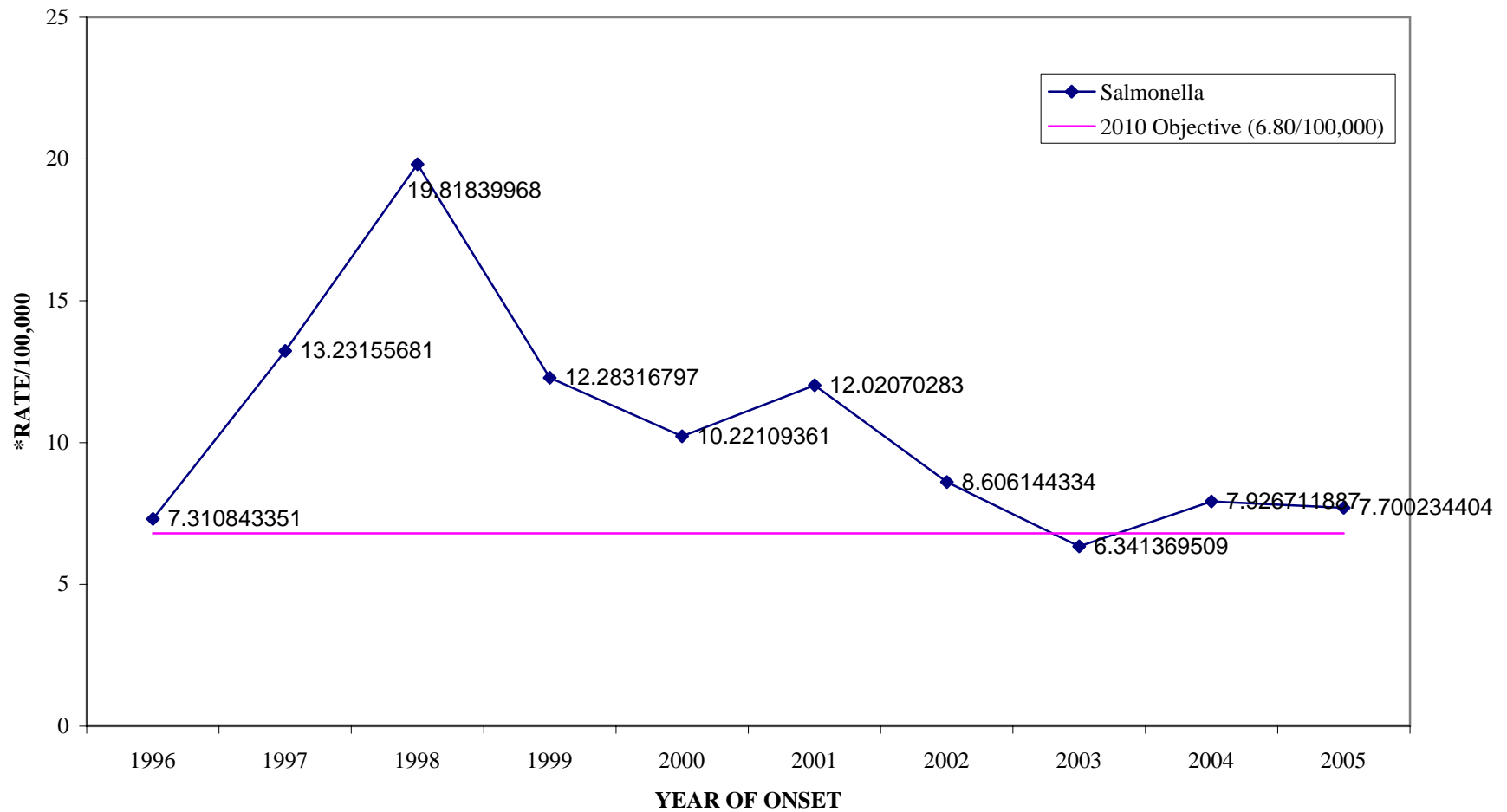
*1 MALE AND 1 FEMALE WITH AGE GROUP AND RACE UNKNOWN



**REPORTED CASES OF
SALMONELLOSIS
BY SEROTYPE
KANSAS CITY RESIDENTS
2005**

SEROTYPE	NUMBER OF CASES
GROUP B	
<i>S. heidelberg</i>	1
<i>S. kiambu</i>	1
<i>S. saint paul</i>	1
<i>S. typhimurium</i>	17
monophasic	4
GROUP C	
<i>S. edinburg</i>	1
<i>S. hadar</i>	1
<i>S. muenchen</i>	1
<i>S. newport</i>	1
GROUP C1	
<i>S. bareilly</i>	1
<i>S. braenderup</i>	1
<i>S. oranienburg</i>	1
GROUP D	
<i>S. enteritidis</i>	4
<i>S. miami</i>	2
O Group D	1
NO GROUP SPECIFIED	8
TOTAL	46

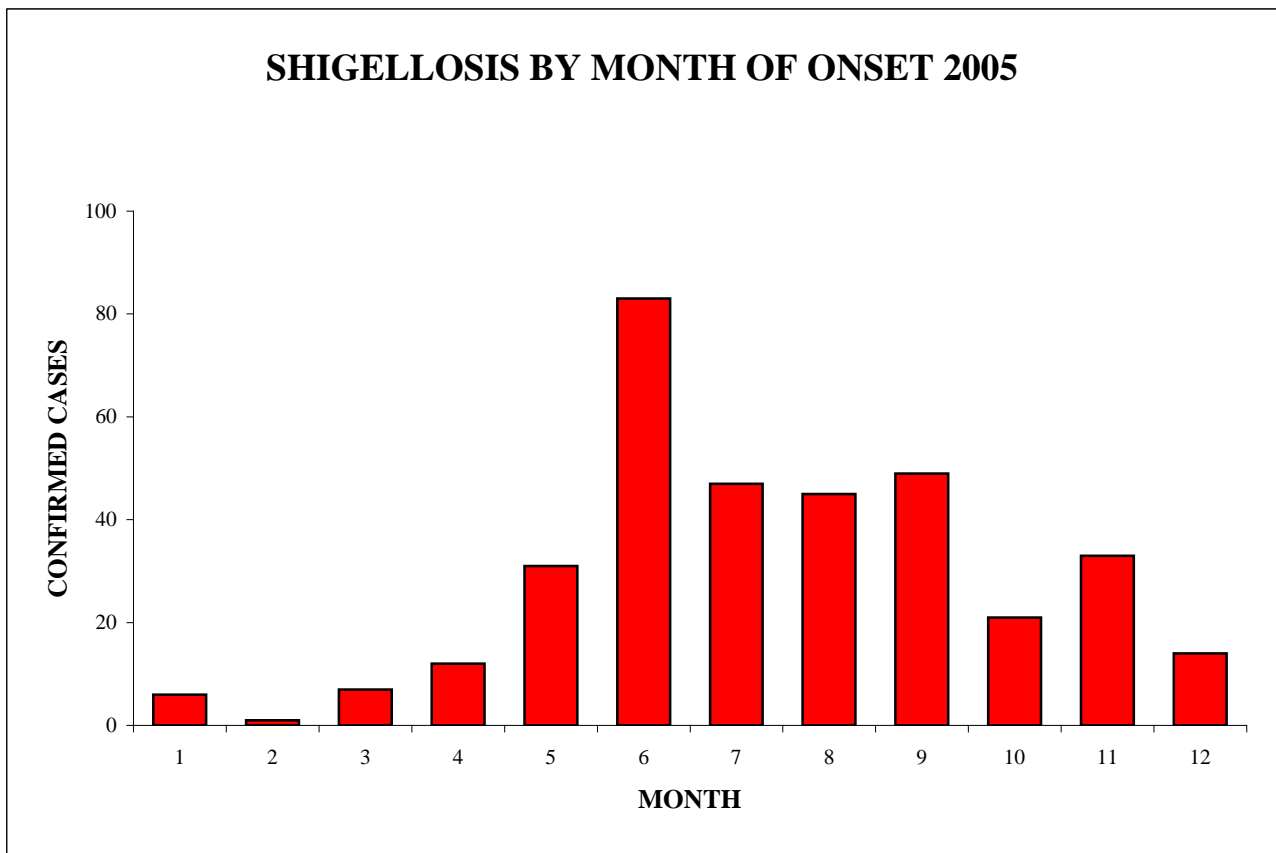
SALMONELLA RATES OF INFECTION KANSAS CITY RESIDENTS 1996-2005



*BASED ON KANSAS CITY 2000 CENSUS POPULATION DATA

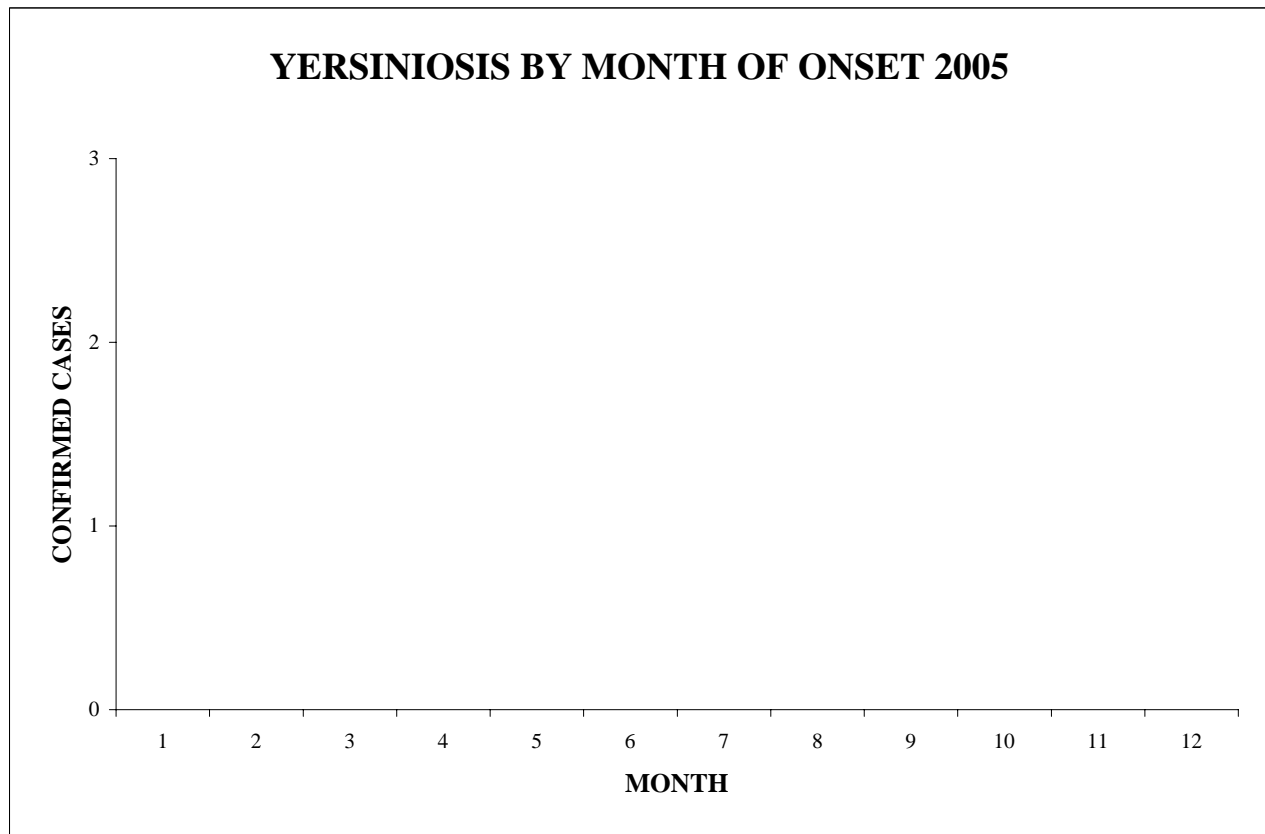
SHIGELLOSIS BY YEAR AND MONTH

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	3	2	2	1	0	1	1	2	0	0	0	3	15
1997	0	1	0	4	2	2	2	4	1	2	2	0	20
1998	1	0	0	0	0	1	1	1	1	0	3	2	10
1999	2	0	1	2	3	3	1	2	2	1	4	1	22
2000	9	15	12	19	28	29	26	26	12	8	11	2	197
2001	2	0	4	1	0	0	3	3	0	1	1	1	16
2002	0	0	0	0	1	0	1	2	0	0	1	1	6
2003	0	1	0	1	1	0	0	0	3	1	2	0	9
2004	0	0	0	1	1	1	1	0	0	0	2	5	11
2005	6	1	7	12	31	83	47	45	49	21	33	14	349



YERSINIOSIS BY YEAR AND MONTH

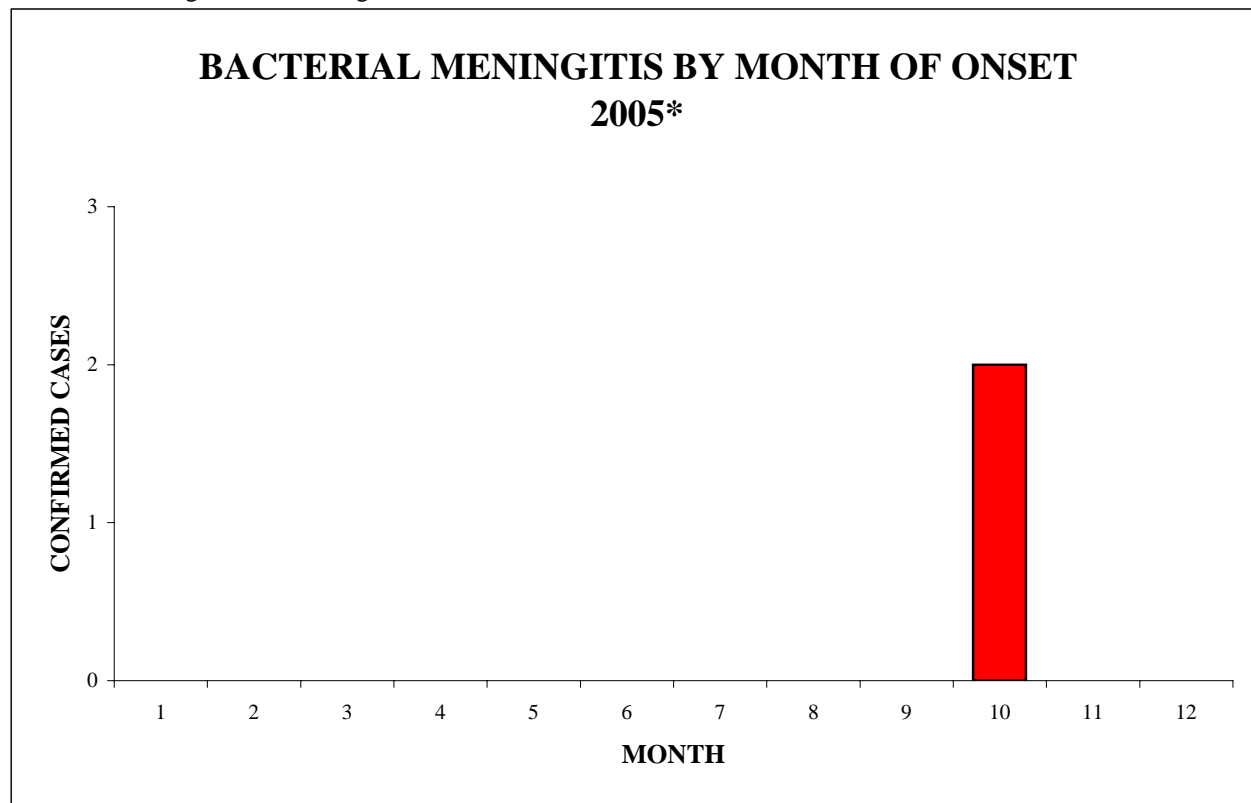
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	1	0	0	0	0	1	0	0	0	0	0	1	3
1997	4	1	0	0	0	1	0	0	0	0	0	0	6
1998	0	1	0	0	0	0	0	0	0	0	2	1	4
1999	1	0	0	0	0	0	0	0	0	0	1	0	2
2000	1	0	1	0	0	0	0	0	0	0	0	2	4
2001	1	0	0	0	0	0	0	0	0	1	1	1	4
2002	0	0	0	0	0	1	1	1	0	0	0	0	3
2003	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	0	0	0



BACTERIAL MENINGITIS BY YEAR AND MONTH*

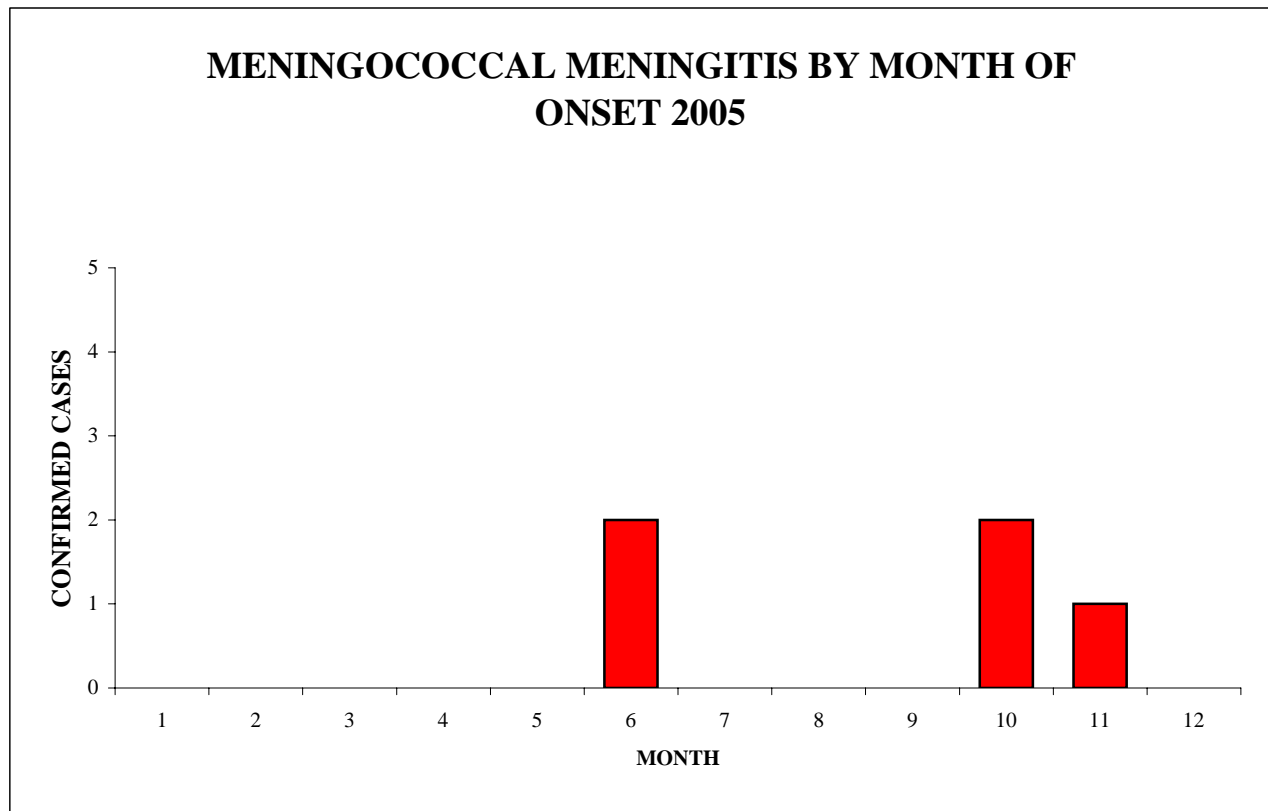
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	1	0	0	0	0	1	0	1	1	0	0	0	4
1997	1	0	0	0	1	2	2	0	0	0	0	1	7
1998	1	0	0	0	1	0	0	1	0	0	0	0	3
1999	0	1	0	0	1	0	1	0	1	1	0	2	7
2000	1	1	1	0	1	1	0	0	2	0	1	1	9
2001	2	1	0	0	1	1	1	1	0	0	0	0	7
2002	3	1	0	0	0	1	0	0	1	0	0	0	6
2003	0	0	1	1	1	0	0	0	0	0	0	0	3
2004	1	0	0	0	0	0	0	0	0	0	0	0	1
2005	0	0	0	0	0	0	0	0	0	2	0	0	2

*Excludes Meningococcal Meningitis

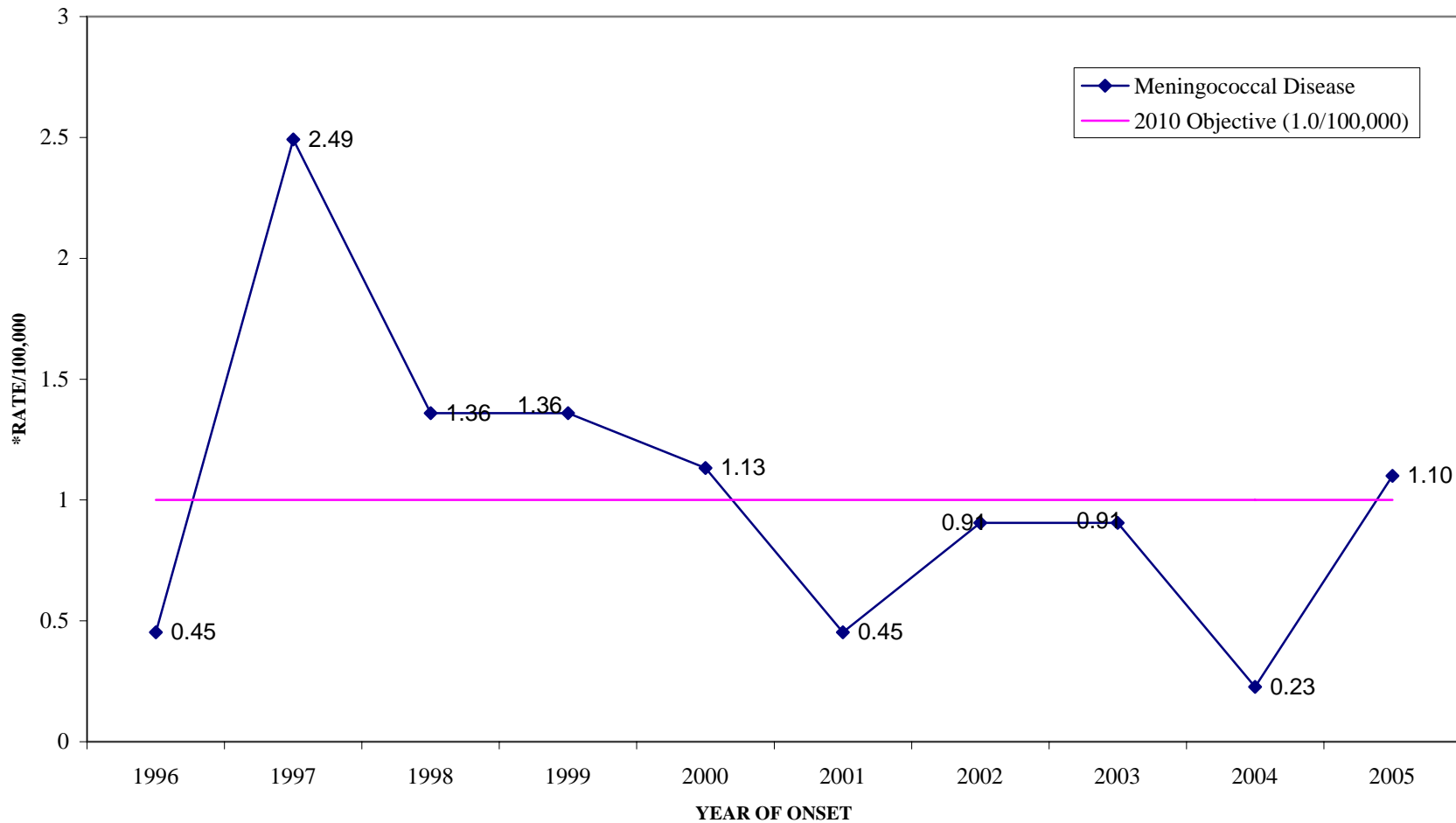


MENINGOCOCCAL MENINGITIS BY YEAR AND MONTH

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1996	0	0	0	0	0	0	0	1	0	0	1	0	2
1997	1	2	1	0	0	0	0	1	1	1	1	3	11
1998	0	0	0	0	0	0	1	3	0	1	0	1	6
1999	0	1	0	3	0	2	0	0	0	0	0	0	6
2000	1	2	0	0	1	0	0	1	0	0	0	0	5
2001	0	0	0	0	1	0	0	0	0	1	0	0	2
2002	0	2	0	0	0	0	1	1	0	0	0	0	4
2003	0	0	0	0	1	0	0	0	1	0	0	0	2
2004	0	0	0	0	0	1	0	0	0	0	0	0	1
2005	0	0	0	0	0	2	0	0	0	2	1	0	5



MENINGOCOCCAL DISEASE INFECTION RATES KANSAS CITY RESIDENTS 1996-2005



*BASED ON KANSAS CITY 2000 CENSUS POPULATION