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Leah Devlin, DDS, MPH
State Health Director

TO: Local and District Health Directors
TB Control Nurses

FROM: Carol Dukes Hamilton, M.D. *CDH*
Medical Director, North Carolina TB Control Program

DATE: April 17, 2006

RE: 2005 Annual Tuberculosis (TB) Statistical Summary

Please find attached the 2005 statistical report of TB cases and case rates by North Carolina Counties. This report is being sent directly to the TB Control Nurses in recognition of their hard work and dedication in eliminating TB in North Carolina. This summary was prepared using the Report of Verified Case of Tuberculosis (RVCT) data submitted by each county. We ask that this report be shared with respective Health Directors and staff.

In summary, there were 329 TB cases reported in the state in 2005 which indicates a 13.9% decrease from the 382 TB cases reported in 2004 and our case rate fell from 4.5 to 3.8 per 100,000 population. We have included 5-year averages for all counties spanning the past decade so you can visualize the trends both locally and statewide. Some areas have had dramatic sustained improvements while a few have seen increased cases over the same time period.

Despite steady improvements in TB control, North Carolina continues to be ranked among states with the highest TB case rates. In 2005, North Carolina ranked 25th in overall U.S. case rates.

We hope this information will be useful in evaluating your respective TB prevention and control programs in your area. If you have questions, please contact the nurse consultant for your county, or contact me. This report will also be available on our Website:
<http://www.epi.state.nc.us/epi/tb>

Cc: Steve Cline, DDS, MPH
Jeffrey Engel, MD
TB Medical Advisory Committee
TB Control Staff



North Carolina Public Health
Working for a healthier and safer North Carolina
Everywhere. Everyday. Everybody.

Location: 225 N. McDowell Street • Raleigh, N.C. 27603



NORTH CAROLINA 2005 T.B. STATISTICAL REPORT

Table 1	REPORTED TB CASES FOR NORTH CAROLINA 2001-2005**									
Year	2001		2002		2003		2004		2005	
Cases	397		434		374		382		329	
VARIABLES	#	%	#	%	#	%	#	%	#	%
SEX										
Male	257	65	271	62	234	63	231	60	233	71
Female	140	35	163	38	140	37	151	40	96	29
RACE										
White†	165	41	162	37	151	40	167	44	132	40
Black/African-American*	201	51	229	53	185	49	168	44	159	48
Asian//Pacific Islander	30	7	39	9	*	*	*	*	*	*
Asian*	*	*	*	*	29	8	42	11	28	8.5
American Indian/Alaska Native	1	1	4	1	7	2	5	1	9	3
Hawaiian/Other Pacific Islander*	*	*	*	*	1	<1	0	0	1	<1
Multi-Racial*	*	*	*	*	1	<1	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0
ETHNICITY										
Hispanic	77	19	76	18	69	18	91	24	72	22
Non-Hispanic	320	81	358	82	305	82	291	76	257	78
Unknown	0	0	0	0	0	0	0	0	0	0
AGE										
0-14	11	3	32	8	17	5	31	8	20	6
15-24	37	9	35	8	29	7	42	11	28	8.5
25-44	133	34	151	35	128	34	125	33	105	32
45-64	113	28	110	25	120	32	96	25	106	32
>65	103	26	106	24	80	22	88	23	70	21
Unknown	0	0	0	0	0	0	0	0	0	0
SITE OF TB										
Pulmonary	286	72	314	72	271	72	275	72	229	70
Extra-pulmonary	79	20	82	19	73	20	78	20	83	25
Both	32	8	38	9	30	8	29	8	17	5
COUNTRY OF ORIGIN										
United States	271	68	301	69	262	70	247	65	219	67
Foreign	125	31	133	31	111	29	135	35	110	33
Unknown	1	<1	0	0	1	<1	0	0	0	0

*CDC change in nomenclature for racial categories beginning with 2003.

** Data source: TIMS.

†Includes White Hispanic and White Non-Hispanic.

Table 2		NORTH CAROLINA TB CASE RATES FOR 2001-2005**†									
Year		2001		2002		2003		2004		2005♣	
VARIABLES		#	Rate	#	Rate	#	Rate	#	Rate	#	Rate
Cases		397	4.8	434	5.2	374	4.4	382	4.5	329	3.8
SEX											
Male		257	6.4	271	6.6	234	5.7	231	5.6	233	5.8
Female		140	3.3	163	3.9	140	3.3	151	3.5	96	2.3
RACE											
White‡		165	2.7	162	2.6	151	2.4	167	2.6	132	2.2
Black/African-American*		201	11.2	229	12.6	185	10.1	168	9	159	9.1
Asian/Pacific Islander		30	23.6	39	29.2	*	*	*	*	*	*
Asian		*	*	*	*	29	20.3	42	28.3	28	20
Amer. Indian/Alaska Native		1	<1	4	3.8	7	6.5	5	4.5	9	10.4
Hawaiian/Other Pac. Isl.*		*	*	*	*	1	18.2	0	0	1	22
Multi-Racial*		*	*	*	*	1	1.2	0	0	0	0
Unknown		0	0	0	0	0	0	0	0	0	0
ETHNICITY											
Hispanic		77	18.8	76	16.9	69	14.3	91	17.6	72	14.2
Non-Hispanic		320	4.1	358	4.6	305	3.8	291	3.6	257	3.3
Unknown		0	0	0	0	0	0	0	0	0	0
AGE											
0-14		11	0.6	32	1.8	17	0.9	31	1.7	20	1.1
15-24		37	3.5	35	3.3	29	2.7	42	3.9	28	2.7
25-44		133	5.3	151	5.9	128	5.1	125	4.9	105	4.2
45-64		113	5.9	110	5.6	120	5.9	96	4.8	106	5.3
>65		103	10.8	106	11.0	80	8.1	88	8.9	70	7.2
Unknown		0	0	0	0	0	0	0	0	0	0

*CDC change in nomenclature for racial categories beginning with 2003.

**The Unknown is attributed to the TB case reported dead at diagnosis. Data source: TIMS. Rates are per 100,000.

‡Includes White Hispanic and White Non-Hispanic.

†State case rates were calculated using the population estimates, as of July 1, for the corresponding year. For 2005, the

♣2004 population estimate was used. Those denominators are available at <http://www.census.gov/popest/states/asrh/tables/SC-EST2003-03/SC-EST03-37.pdf>.

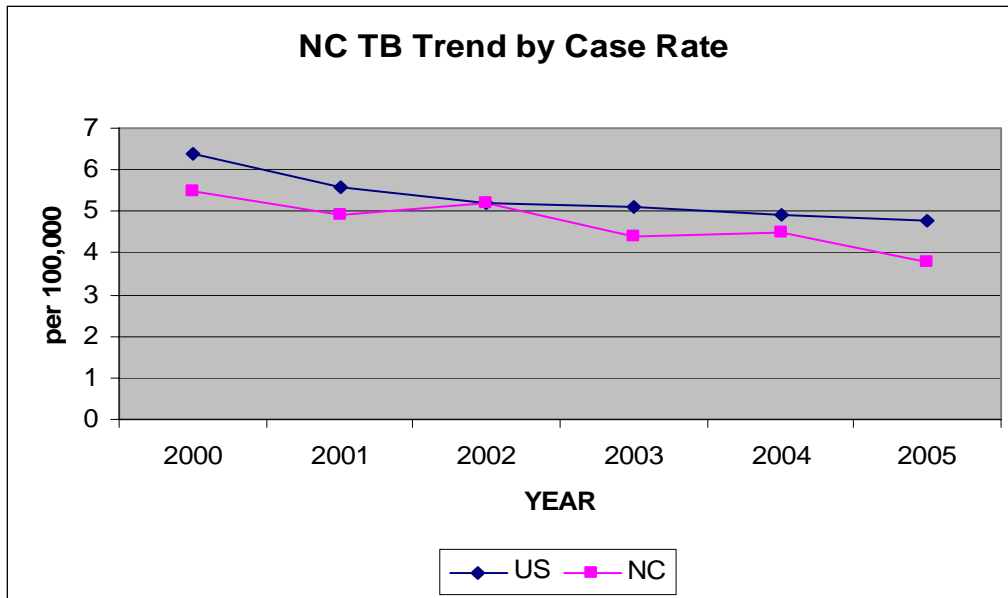
Rates for sex, race, and ethnicity were calculated using estimates obtained from

http://factfinder.census.gov/servlet/ADPTable?_bm=v&-geo_id=04000US37&-qr_name=ACS_2004_EST_G00_DP1&-ds_name=ACS_2004_EST_G00_-lang=en&-sse=on. Rates for age strata were calculated using population estimates from these tables (American Community Data Survey).

Table 3	2004		2005	
	US BORN	FOREIGN BORN	US BORN	FOREIGN BORN
0 – 4 YEARS	23	1	10	2
5 – 14 YEARS	5	1	4	4
TOTAL	28	2	14	6

§Data source: CaroTIMS.

Figure 1



Year	Rates		Rank
	USA	North Carolina	
1999	6.4	6.4	16
2000	6.4	5.5	16
2001	5.6	4.8	20
2002	5.2	5.2	14
2003	5.1	4.4	20
2004	4.9	4.5	18
2005	4.8	3.8	25

*Data from annual surveillance reports published by CDC. Data for 2005 are not available.

Correctional Facilities: The case rate for the State Correction population is 14.7 per 100,000 for the year 2005. (State Department of Correction inmate population for 2004 was 35,756 obtained from State Department of Correction’s website, <http://nicic.org.stateCorrectionsStatistics/nc.htm>. 2005 population statistics were not available.

Year	2000	2001	2002	2003	2004	2005
Cases	9	5	7	13	9	8
Percent	2	1	2	4	2	2

*Data source TIMS Surveillance Demographics Report.

Long-Term Care Facilities: There was a 50% increase in the number of TB cases diagnosed in Long-Term Care Facilities during reporting years 2004 and 2005 (10 and 15 respectively), but the 5-year trend is not statistically significant.

Table 6	Resident of Long-Term Care Facility at Time of Diagnosis 2000-2005*					
Year	2000	2001	2002	2003	2004	2005
Cases	15	21	11	14	10	15
Percent	3	5	3	4	3	5

*Data source TIMS Surveillance Demographics Report.

Excessive Alcohol Use: There was a 32.4% decrease in the number of TB cases with reported excessive alcohol use between 2004 and 2005 (68 and 46 respectively), and an overall downward trend is shown since 2000.

Table 7	Excess Alcohol Use 2000-2005*					
Year	2000	2001	2002	2003	2004	2005
Cases	102	75	87	80	68	46
Percent	23	19	20	21	18	14

*Data source TIMS Surveillance Demographics Report.

Table 8	Alcohol Use by Race and Ethnicity 2001-2005*									
Year	2001		2002		2003		2004		2005	
Race	Hisp.	Non-Hisp.	Hisp.	Non-Hisp.	Hisp.	Non-Hisp.	Hisp.	Non-Hisp.	Hisp.	Non-Hisp.
White	6	17	7	18	7	21	12	13	3	9
Black	0	51	1	57	0	51	0	42	0	32
Asian	0	0	0	1	0	1	0	0	0	0
AI/AN	0	1	0	3	0	0	0	1	0	1
HI/OPI	0	0	0	0	0	0	0	0	1	0
Multiple	0	0	0	0	0	0	0	0	0	0
Total	6	68	8	79	7	73	12	56	4	42
TOTAL	75		87		80		68		46	

*Data source: CaroTIMS.

Non-Injecting Drug Use: There was a 19.2% decrease in the number of TB cases with reported non-injecting drug use between 2004 and 2005 (52 and 42 respectively)

Table 9	Non-Injecting Drug Use 2000-2005*					
Year	2000	2001	2002	2003	2004	2005
Cases	47	35	56	54	52	42
Percent	11	9	13	14	13	13

*Data source TIMS Surveillance Demographics Report.

Injecting Drug Use: IDU has not been a significant problem for our TB cases in NC, and there were even fewer cases reported in 2005.

Table 10	Injecting Drug Use 2000-2005*					
Year	2000	2001	2002	2003	2004	2005
Cases	6	6	7	8	2	1
Percent	1	2	2	2	1	0.3

*Data source TIMS Surveillance Demographics Report.

Foreign Born: Between the reporting years 2004 and 2005 there was an 18.5% decrease in the number of foreign born TB cases.

Table 11	Foreign Born 2000 - 2005*					
Year	2000	2001	2002	2003	2004	2005
Cases	115	125	133	111	135	110
Percent	26	31	29	30	35	33

*Data source TIMS Surveillance Demographics Report.

Table 12	Foreign Born by Ethnicity 2000 – 2005*					
YEAR	2000	2001	2002	2003	2004	2005
Hispanic Cases	66	74	67	61	72	59
Percent	57 %	59 %	50 %	55 %	53 %	54 %
Non-Hispanic Cases	49	51	66	50	63	51
Percent	43 %	41 %	50 %	45 %	47 %	46 %

*Data source TIMS Surveillance Demographics Report

Homeless: There was a decrease of 4.8% in the number of reported homeless TB cases between 2004 and 2005 (21 and 20 respectively).

Table 13	Homeless 2000 - 2005*					
Year	2000	2001	2002	2003	2004	2005
Cases	29	32	30	37	21	20
Percent	6	8	7	10	6	6

*Data source TIMS Surveillance Demographics Report.

Occupation: The occurrence of TB in persons identified as healthcare workers remains an area that receives close scrutiny and intensive investigation. The following table does NOT indicate TB exposure in health care settings, but rather provides data we review annually to make sure there is not an overall increase in cases among those who could expose, or be exposed to, TB. Fortunately, there are no significant trends in TB cases among healthcare workers, though there were more cases in 2004 than the previous 2 years. The data are presented in Table 14.

Table 14	Healthcare Workers with TB Disease 2000 - 2005*					
Year	2000	2001	2002	2003	2004	2005
Cases	10	14	8	7	11	7
Percent	2	4	2	2	4	2

*Data source TIMS Surveillance Demographics Report.

HIV Status: Worldwide, HIV and TB co-morbidity is the single largest contributor to mortality where TB disease is a factor. Table 15 shows the percentage of cases that had HIV co-morbidity. Table 16 shows the progress that has been made in North Carolina with respect to standard of care and HIV status—namely, very few cases are not offered HIV testing, and an increasing number of TB cases are accepting the offered HIV test. Table 17 presents the distribution of HIV and TB co-morbidity by age.

Table 15	TB Cases with HIV Infection 2000 - 2005*					
Year	2000	2001	2002	2003	2004	2005
Cases	43	43	41	47	36	34
Percent	10	11	9	13	9	10

*Data Source: CaroTIMS.

Table 16	Reported HIV Results 2000 – 2005*					
Status	2000	2001	2002	2003	2004	2005
Negative	259	234	276	238	291	252
Positive	43	43	41	47	36	34
Refused	81	69	65	59	32	27
Not Offered	39	27	41	19	20	12
Tested No Result	4	2	1	3	0	1
Unknown	20	22	10	8	3	3
Missing	1	0	0	0	0	0

*Data Source: CaroTIMS.

Table 17	TB Cases with HIV Infection by Age Group 2000 - 2005*					
Age Group	2000	2001	2002	2003	2004	2005
0-14	0	0	0	1	0	0
15-24	1	1	0	2	2	3
25-44	37	28	26	31	20	17
45-64	5	13	13	13	14	14
≥65	0	1	2	0	0	0

*Data source: CaroTIMS.

Table 18	Major Site of Disease 2000 - 2005*					
Site	2000	2001	2002	2003	2004	2005
Bone/Joint	20	11	11	11	12	16
Genitourinary	6	3	8	1	2	8
Lymphatic: Cervical	19	16	16	17	21	15
Lymphatic: Intrathoracic	2	4	5	4	5	5
Lymphatic: Other	7	12	5	10	4	1
Meningeal	5	0	5	3	7	5
Miliary	7	14	9	11	12	13
Other	6	10	11	13	1	6
Peritoneal	1	3	6	4	10	2
Pleural	24	24	17	11	16	14
Pulmonary	350	300	341	289	292	244

*Data source: CaroTIMS

Table 19	First-Line Primary TB Drug Resistance Over Time 2001-2005*									
Year	2001		2002		2003		2004		2005	
	#	%	#	%	#	%	#	%	#	%
INH Alone	3	1.0	7	2.0	11	3.8	4	1.4	10	4
INH & SM	4	1.2	11	3.0	6	2.1	10	3.5	5	2
INH & RIF (MDR)	1	0.3	3	1.0	0	0	1	0.3	3	1.2
Any Drug Resistance	20	6.1	36	10.0	29	10.0	29	10.1	17	6.8
**Total Positive Cultures	328		362		291		287		250	

*Data source: CaroTIMS.

**Total positive cultures with susceptibility results known.

(Table 20 begins on the next page)

Table 20 TB Cases and Case Rates 2001-2005*										
Year	2001	2001	2002	2002	2003	2003	2004	2004	2005	2005
County	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
Alamance	2	1.5	2	1.5	5	3.7	3	2.2	3	2.2
Alexander	1	2.9	0	0.0	0	0.0	0	0.0	0	0.0
Alleghany	1	9.3	0	0.0	2	18.4	2	18.3	0	0.0
Anson	1	4.0	1	4.0	2	7.9	1	3.9	1	3.9
Ashe	1	4.1	1	4.0	2	8.0	0	0.0	0	0.0
Avery	0	0.0	1	5.7	0	0.0	0	0.0	0	0.0
Beaufort	1	2.2	2	4.4	4	8.8	1	2.2	3	6.6
Bertie	3	15.2	3	15.3	4	20.5	7	35.4	0	0.0
Bladen	0	0.0	3	9.2	1	3.1	1	3.0	3	9.1
Brunswick	2	2.6	3	3.8	1	1.2	1	1.2	2	2.3
Buncombe	4	1.9	4	1.9	3	1.4	3	1.4	4	1.8
Burke	2	2.2	2	2.2	3	3.0	6	6.7	4	4.5
Cabarrus	5	3.7	2	1.4	5	3.5	8	5.4	3	2.0
Caldwell	4	5.1	1	1.3	1	1.3	1	1.3	2	2.6
Camden	1	14.0	1	13.5	1	12.7	0	0.0	0	0.0
Carteret	1	1.7	1	1.7	1	1.6	0	0.0	0	0.0
Caswell	0	0.0	0	0.0	1	4.2	0	0.0	0	0.0
Catawba	5	3.4	3	2.1	1	0.7	1	0.7	3	2.0
Chatham	1	1.9	1	1.9	0	0.0	0	0.0	3	5.3
Cherokee	1	4.1	1	4.1	0	0.0	1	3.9	0	0.0
Chowan	0	0.0	3	21.1	0	0.0	4	27.7	1	6.9
Clay	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cleveland	2	2.1	3	3.1	2	2.0	0	0.0	2	2.0
Columbus	10	18.3	4	7.3	4	7.3	7	12.7	5	9.2
Craven	0	0.0	3	3.3	0	0.0	1	1.1	0	0.0
Cumberland	21	6.9	17	5.6	16	5.3	8	2.6	6	1.9
Currituck	0	0.0	0	5.6	0	0.0	0	0.0	0	0.0
Dare	0	0.0	3	9.3	0	0.0	0	0.0	4	11.4
Davidson	2	1.3	3	2.0	2	1.3	3	1.9	3	1.9
Davie	0	0.0	0	0.0	0	0.0	3	7.9	0	0.0
Duplin	5	10.0	7	13.8	2	3.9	3	5.8	6	11.5
Durham	19	8.3	14	6.0	10	4.2	27	11.3	21	8.7
Edgecombe	0	0.0	5	9.1	5	9.1	1	1.9	3	5.6
Forsyth	15	4.8	16	5.1	16	5.0	12	3.7	13	4.0
Franklin	2	4.1	3	5.9	1	1.9	2	3.8	2	3.7
Gaston	7	3.6	5	1.6	3	1.6	5	2.6	1	0.5
Gates	1	9.5	0	0.0	0	0.0	0	0.0	0	0.0
Graham	0	0.0	0	0.0	1	12.5	0	0.0	0	0.0
Granville	2	4.0	1	2.0	4	7.7	1	1.9	1	1.9
Greene	2	10.4	2	10.2	4	20.0	2	9.9	0	0
Guilford	27	6.3	43	10.0	31	7.1	28	6.4	32	7.3
Halifax	11	19.4	6	10.6	5	8.9	3	5.3	2	3.6
Harnett	6	6.4	3	3.1	2	2.0	4	4.0	3	3.0
Haywood	0	0.0	1	1.8	2	3.6	1	1.8	0	0.0
Henderson	1	1.1	1	1.1	6	6.4	5	5.2	2	2.1

Table 20 (cont.)	TB Cases and Case Rates 2001-2005*									
Year	2001	2001	2002	2002	2003	2003	2004	2004	2005	2005
County	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
Hertford	7	31.0	4	17.9	2	9.0	3	12.6	1	4.2
Hoke	1	2.9	4	11.1	1	2.7	0	0.0	5	12.6
Hyde	0	0.0	0	0.0	0	0.0	1	17.3	0	0
Iredell	2	1.6	2	1.5	2	1.5	2	1.5	2	1.4
Jackson	2	6.0	1	2.9	1	2.9	0	0.0	0	0
Johnston	8	6.3	10	7.5	7	5.1	9	6.4	4	2.7
Jones	0	0.0	1	9.7	1	9.8	0	0.0	0	0
Lee	3	6.0	3	6.1	2	4.1	4	7.9	1	2.0
Lenoir	7	11.8	7	11.9	6	10.2	3	5.1	3	5.1
Lincoln	0	0.0	1	1.5	0	0.0	2	2.9	0	0
Macon	0	0.0	1	3.2	0	0.0	1	3.1	1	2.3
Madison	0	0.0	0	0.0	1	5.0	0	0.0	1	3.1
Martin	3	11.9	5	19.9	4	16.0	1	4.0	1	4.9
McDowell	3	7.0	1	2.3	1	2.3	0	0.0	1	4.1
Mecklenburg	40	5.6	49	6.7	47	6.2	53	6.9	48	6.1
Mitchell	0	0.0	2	12.6	0	0.0	0	0.0	0	0
Montgomery	1	3.7	9	33.3	4	14.6	2	7.2	11	40.3
Moore	0	0.0	4	5.1	1	1.3	4	5.0	3	3.7
Nash	5	5.7	7	7.9	4	4.5	6	6.6	7	7.7
New Hanover	16	9.8	4	2.4	15	8.9	6	3.5	5	2.9
Northampton	4	18.2	2	9.1	1	4.6	2	9.2	2	9.3
Onslow	4	2.7	3	2.0	2	1.4	2	1.3	0	0
Orange	3	2.5	2	1.7	4	3.4	3	2.4	1	0.8
Pamlico	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Pasquotank	2	5.7	2	5.6	5	13.9	1	2.7	1	2.6
Pender	3	7.2	6	14.0	3	6.9	5	11.2	2	4.3
Perquimans	1	8.7	1	8.6	0	0.0	0	0.0	1	8.4
Person	1	2.8	1	2.7	1	2.7	0	0.0	1	2.7
Pitt	14	10.4	7	5.1	5	3.6	7	5.0	5	3.5
Polk	0	0.0	0	0.0	1	5.3	0	0.0	1	5.2
Randolph	1	0.8	3	2.2	5	3.7	1	0.7	0	0
Richmond	3	6.4	10	21.4	2	4.3	3	6.4	0	0
Robeson	4	3.2	8	6.4	11	8.7	6	4.7	14	11.0
Rockingham	6	6.5	3	3.2	5	5.4	0	0.0	0	0
Rowan	2	1.5	1	0.7	0	0.0	7	5.2	0	0
Rutherford	2	3.2	0	0.0	0	0.0	1	1.6	0	0
Sampson	2	3.3	2	3.3	6	9.7	11	17.3	4	6.3
Scotland	2	5.6	2	5.6	1	2.8	1	2.8	1	2.7
Stanly	1	1.7	1	1.7	2	3.4	5	8.4	2	3.4
Stokes	1	2.2	0	0.0	1	2.2	0	0.0	0	0
Surry	2	2.8	2	2.8	2	2.8	0	0.0	0	0
Swain	0	0.0	2	15.4	0	0.0	0	0.0	0	0
Transylvania	1	3.4	1	3.4	1	3.4	0	0.0	0	0

Table 20 (cont.)	TB Cases and Case Rates 2001-2005*									
Year	2001	2001	2002	2002	2003	2003	2004	2004	2005	2005
County	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
Tyrrell	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Union	5	3.8	3	2.2	3	2.1	2	1.3	2	1.3
Vance	0	0.0	4	9.1	1	2.3	0	0.0	1	2.3
Wake	40	6.1	57	8.4	46	6.6	53	7.3	34	4.6
Warren	1	5.0	0	0.0	0	0.0	1	4.9	2	9.9
Washington	2	14.7	1	7.4	2	14.9	1	7.4	1	7.5
Watauga	1	2.3	0	0.0	0	0.0	0	0.0	1	2.3
Wayne	9	8.0	8	7.1	5	4.4	9	7.8	16	13.8
Wilkes	2	3.0	4	6.0	1	1.5	1	1.5	1	1.5
Wilson	10	13.5	5	6.7	5	6.6	8	10.5	4	5.2
Yadkin	2	5.4	2	5.4	0	0.0	0	0.0	0	0
Yancey	2	11.1	1	5.6	0	0.0	0	0.0	0	0
North Carolina	397	4.8	434	5.2	374	4.4	382	4.5	329	3.8

*Data source: CaroTIMS. Case rates for 2001-2003 were calculated using denominators available at <http://www.census.gov/popest/counties/tables/CO-EST2003-01-37.pdf>. Rates for 2004 and 2005 were calculated using denominators available at <http://www.demog.state.nc.us/demog/cpa2004p.html>.

Foreign-Born TB Cases by County 2000- 2005						
Table 21						
County	2000	2001	2002	2003	2004	2005
Alamance	0	1	0	1	0	0
Alexander	0	0	0	0	0	0
Alleghany	0	1	0	0	0	0
Anson	0	0	0	0	0	0
Ashe	0	0	1	0	0	0
Avery	0	0	0	0	0	0
Beaufort	1	0	0	1	0	0
Bertie	0	0	0	1	1	0
Bladen	1	0	0	0	0	0
Brunswick	1	1	0	0	0	1
Buncombe	1	2	1	1	0	3
Burke	2	1	1	0	2	2
Cabarrus	1	2	1	3	3	3
Caldwell	0	1	0	1	0	0
Camden	0	0	1	1	0	0
Carteret	0	1	0	1	0	0
Caswell	0	0	0	0	0	0
Catawba	1	1	1	0	0	1
Chatham	1	0	1	0	0	1
Cherokee	0	0	1	0	0	0
Chowan	0	0	0	0	0	0
Clay	0	0	0	0	0	0
Cleveland	0	0	1	1	0	0
Columbus	3	2	1	1	2	1
Craven	1	0	0	0	0	0
Cumberland	2	3	3	2	2	1
Currituck	0	0	0	0	0	0
Dare	1	0	2	0	0	2
Davidson	0	0	0	0	0	1
Davie	0	0	0	0	3	0
Duplin	2	1	1	1	1	2
Durham	11	14	9	8	13	13
Edgecombe	2	0	0	1	0	0
Forsyth	5	10	11	6	4	7
Franklin	0	2	1	1	0	1
Gaston	3	2	2	1	1	1
Gates	0	0	0	0	0	0
Graham	0	0	0	0	0	0
Granville	0	1	0	3	1	0
Greene	1	0	0	1	0	0
Guilford	11	9	17	12	7	13
Halifax	0	0	0	0	0	0
Harnett	0	0	1	0	0	1
Haywood	0	0	0	0	0	0

Table 21 (cont.)	Foreign-Born TB Cases by County 2000- 2005					
County	2000	2001	2002	2003	2004	2005
Henderson	3	1	1	3	3	1
Hertford	0	0	1	0	0	0
Hoke	1	0	2	0	0	1
Hyde	0	0	0	0	1	0
Iredell	0	1	2	1	1	0
Jackson	0	2	0	0	0	0
Johnston	2	1	0	2	2	0
Jones	0	0	0	0	0	0
Lee	1	0	1	0	1	0
Lenoir	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0
Macon	0	0	0	0	1	0
Madison	0	0	0	0	0	1
Martin	0	0	0	0	0	0
McDowell	0	0	0	0	0	0
Mecklenburg	25	17	20	14	23	25
Mitchell	0	0	0	0	0	0
Montgomery	1	1	1	1	0	1
Moore	0	0	1	1	2	1
Nash	0	2	0	1	4	2
New Hanover	2	6	1	1	1	2
Northampton	0	1	0	0	0	0
Onslow	0	0	2	1	1	0
Orange	1	2	1	3	1	1
Pamlico	0	0	0	0	0	0
Pasquotank	1	0	0	1	1	0
Pender	3	1	3	2	1	1
Perquimans	0	0	0	0	0	0
Person	1	0	0	0	0	0
Pitt	0	0	0	0	1	0
Polk	0	0	0	1	0	1
Randolph	1	0	1	4	1	0
Richmond	0	1	0	1	1	0
Robeson	4	1	1	1	0	2
Rockingham	0	3	0	1	0	0
Rowan	3	1	1	0	4	0
Rutherford	0	0	0	0	0	0
Sampson	0	0	0	1	7	0
Scotland	0	0	0	0	0	0
Stanly	0	0	0	0	1	0
Stokes	0	0	0	0	0	0
Surry	0	0	0	0	0	0
Swain	0	0	0	0	0	0
Transylvania	0	0	0	0	0	0

Table 21 (cont.)	Foreign-Born TB Cases by County 2000-2005					
County	2000	2001	2002	2003	2004	2005
Tyrrell	0	0	0	0	0	0
Union	2	3	2	2	1	1
Vance	0	0	0	0	0	0
Wake	12	20	30	19	30	17
Warren	0	0	0	0	0	0
Washington	0	0	0	0	0	0
Watauga	0	0	0	0	0	1
Wayne	1	2	3	2	5	4
Wilkes	0	1	1	0	1	0
Wilson	0	0	0	0	0	0
Yadkin	0	2	1	0	0	0
Yancey	0	1	0	0	0	0
North Carolina	115	125	133	111	135	110

Data source: CaroTIMS.

Table 22	Foreign-Born Cases by Country of Origin 2000-2005*					
Year	2000	2001	2002	2003	2004	2005
Algeria	0	0	0	1	0	1
Argentina	0	0	0	0	2	0
Azerbaijan	0	0	0	0	0	1
Bangladesh	0	0	0	0	0	1
Belarus	0	0	0	0	0	1
Benin	0	0	1	0	0	0
Bosnia & Herzegovina	0	1	0	0	0	1
Brazil	1	0	0	0	0	0
Burma	0	1	0	1	0	0
Cambodia	0	0	2	0	0	2
Cameroon	0	0	1	0	0	0
China	2	0	0	4	2	1
Colombia	0	1	1	0	0	1
Congo	1	1	1	2	1	3
Cuba	0	1	1	0	0	0
Djibouti	0	0	0	1	0	0
Dominican Republic	1	0	0	0	0	0
Ecuador	0	0	1	0	2	0
El Salvador	1	3	3	2	1	2
Ethiopia	4	0	2	1	5	3
France	0	1	0	0	1	0
Gabon	1	0	0	1	0	0
Gambia	1	1	1	0	1	1
Georgia	0	1	0	0	0	0
Germany	0	1	1	0	0	0
Guadeloupe	0	0	0	0	1	0
Guatemala	5	3	3	4	5	2
Haiti	1	0	0	1	0	0
Honduras	9	7	2	4	7	6
Hong Kong	1	0	0	0	0	0
India	8	13	10	7	7	7
Indonesia	1	0	1	2	1	1
Iran	0	0	0	0	1	0
Ireland	0	1	0	0	1	0
Japan	0	1	0	0	1	0
Kazakhstan	1	0	0	0	0	0
Kenya	2	0	1	1	4	0
Korea (North)	0	0	1	0	1	0
Korea Republic of	0	1	2	2	3	1
Kuwait	0	0	0	0	1	0
Laos	3	3	2	0	2	1
Liberia	0	2	1	0	0	4
Malaysia	0	0	0	1	0	0
Mexico	45	58	56	48	54	44

Table 22 (cont.)	Foreign-Born Cases by Country of Origin 2000-2005*					
Year	2000	2001	2002	2003	2004	2005
Monaco	1	0	0	0	0	0
Morocco	0	1	0	0	0	0
Nauru	1	0	0	0	0	0
Nepal	0	0	0	0	1	1
Nicaragua	0	0	0	0	0	1
Niger	0	1	4	1	0	1
Nigeria	1	0	0	0	0	1
Oman	0	1	0	0	0	0
Pakistan	2	1	2	1	0	0
Peru	1	1	1	3	1	2
Philippines	1	4	5	4	7	4
Pitcairn Islands	0	0	0	1	0	0
Reunion	1	0	0	0	0	0
Romania	0	0	0	1	0	0
San Marino	0	0	1	0	0	0
Senegal	0	0	0	0	1	1
Sierra Leone	0	0	1	1	0	0
Somalia	3	4	0	1	1	1
South Africa	0	0	0	1	0	1
Russia	1	0	1	0	1	1
Sudan	0	0	1	0	1	0
Syria	0	0	0	1	0	0
Taiwan	0	0	0	0	0	1
Thailand	0	1	0	2	1	0
Togo	0	0	1	1	0	0
Trinidad & Tobago	0	0	0	0	0	1
Turkey	0	0	1	0	0	0
Ukraine	0	0	0	0	0	1
Uruguay	0	0	0	0	0	1
Venezuela	1	0	1	0	0	0
Vietnam	5	5	12	7	12	8
Zaire	1	2	5	1	1	0
Zambia	1	1	2	1	0	0

*Data Source: CaroTIMS.

Table 23	Hispanic TB Cases by County 2000-2005					
County	2000	2001	2002	2003	2004	2005
Alamance	0	1	0	2	0	0
Alexander	0	0	0	0	0	0
Alleghany	0	1	0	0	0	0
Anson	0	0	0	0	0	0
Ashe	0	0	1	0	0	0
Avery	0	0	0	0	0	0
Beaufort	0	0	0	1	0	0
Bertie	0	0	0	1	1	0
Bladen	1	0	0	0	0	0
Brunswick	1	1	0	0	0	0
Buncombe	0	1	1	1	1	3
Burke	2	1	0	0	2	2
Cabarrus	1	0	1	3	2	2
Caldwell	0	0	0	1	0	0
Camden	0	0	0	1	0	0
Carteret	0	0	0	0	0	0
Caswell	0	0	0	0	0	0
Catawba	1	0	0	0	0	2
Chatham	1	0	1	0	0	1
Cherokee	0	0	1	0	0	0
Chowan	0	0	0	0	0	0
Clay	0	0	0	0	0	0
Cleveland	0	0	1	0	0	0
Columbus	2	2	1	1	2	1
Craven	0	0	0	0	0	0
Cumberland	0	0	1	0	1	1
Currituck	0	0	0	0	0	0
Dare	1	0	1	0	0	2
Davidson	0	0	0	0	0	0
Davie	0	0	0	0	3	0
Duplin	2	1	4	1	1	3
Durham	8	6	6	4	8	7
Edgecombe	2	0	0	1	0	0
Forsyth	4	11	9	6	2	3
Franklin	0	2	0	1	0	1
Gaston	2	2	2	1	0	0
Gates	0	0	0	0	0	0
Graham	0	0	0	0	0	0
Granville	0	1	0	3	1	0
Greene	1	0	0	1	0	0
Guilford	2	6	5	0	1	3
Halifax	0	0	0	0	0	0
Harnett	0	0	1	0	0	1
Haywood	0	0	0	0	0	0

Table 23 (cont.)	Hispanic TB Cases by County 2000-2005					
County	2000	2001	2002	2003	2004	2005
Henderson	3	1	1	3	3	1
Hertford	0	0	1	0	0	0
Hoke	1	0	1	0	0	1
Hyde	0	0	0	0	1	0
Iredell	0	1	2	1	0	2
Jackson	0	2	0	0	0	0
Johnston	2	1	0	2	1	1
Jones	0	0	0	0	0	0
Lee	1	0	1	0	1	0
Lenoir	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0
Macon	0	0	0	0	1	0
Madison	0	0	0	0	0	1
Martin	0	0	0	0	0	0
McDowell	0	0	0	0	0	0
Mecklenburg	13	4	6	9	11	13
Mitchell	0	0	0	0	0	0
Montgomery	0	1	0	1	0	1
Moore	0	0	1	0	1	1
Nash	0	1	0	1	3	2
New Hanover	1	3	1	1	0	2
Northampton	0	1	0	0	0	0
Onslow	0	0	0	0	0	0
Orange	0	1	1	0	0	1
Pamlico	0	0	0	0	0	0
Pasquotank	1	0	0	2	1	0
Pender	3	1	3	2	1	1
Perquimans	0	0	0	0	0	0
Person	1	0	0	0	0	0
Pitt	0	0	0	0	1	0
Polk	0	0	0	1	0	0
Randolph	1	0	1	4	0	0
Richmond	0	1	0	1	1	0
Robeson	4	2	2	1	0	1
Rockingham	0	3	0	1	0	0
Rowan	1	1	1	0	4	0
Rutherford	0	0	0	0	0	0
Sampson	0	0	0	0	7	1
Scotland	0	0	0	0	0	0
Stanly	0	0	0	0	1	0
Stokes	0	0	0	0	0	0
Surry	0	0	0	0	0	0
Swain	0	0	0	0	0	0
Transylvania	0	0	0	0	0	0

Table 23 (cont.)	Hispanic TB Cases by County 2000-2005					
County	2000	2001	2002	2003	2004	2005
Tyrrell	0	0	0	0	0	0
Union	2	2	2	2	1	2
Vance	0	0	0	0	0	0
Wake	2	9	9	6	21	5
Warren	0	0	0	0	0	0
Washington	0	0	0	0	0	0
Watauga	0	0	0	0	0	1
Wayne	0	2	4	2	5	3
Wilkes	0	1	1	0	1	0
Wilson	0	0	0	0	0	0
Yadkin	0	2	2	0	0	0
Yancey	0	1	0	0	0	0
North Carolina	67	77	76	69	91	72

Data source: CaroTIMS.