

SNAPSHOTS

. of The Human Condition on Cape Cod

Young People of Cape Cod: Ages 10 – 19 Years

Barnstable County (MA)
Department of Human Services
Information Services

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INTRODUCTION

This report provides a “snapshot” of the status of young people ages 10 to 19 years living in Barnstable County. It is organized into the following categories: **Caring Environment** (foster care); **Education** (public school enrollment, student demographics for each of the twenty-one Cape Cod school districts, and MCAS results); **Health** (health insurance coverage, morbidity indicators, and substance abuse treatment); **Income Security** (poverty/low income and TAFDC); **Public Safety** (child abuse/neglect and juvenile delinquency); and **Vital Statistics** (teen births/birth rates, teen prenatal care, death/-mortality indicators, suicide deaths, age distributions, and population counts).

The goal of this report is to provide a snapshot of the status of pre-teens/teenagers in Barnstable County. This glimpse of the condition of persons ages 10 to 19 years provides valuable information that can be helpful in identifying needs and may therefore help to improve the “human condition” for Cape Cod’s pre-teen/teenage population. Whenever possible, the latest (typically 2006 or 2007) data are shown, with Census 2000 and American Community Survey – 2006 data used as the baseline. Comparisons with previous years are shown when data are available. While the emphasis of this report is on Barnstable County (Cape Cod), state and national data are provided as a comparison where appropriate.

CARING ENVIRONMENT

Foster Care

Table 1 provides estimates of the size of foster placement caseloads in Barnstable County for the years 2005 thru 2007.

Table 1. Number of Young People in Foster Placement in Barnstable County: Years 2005 - 2007 (point-in-time estimates of foster placement cases)

Age Range of Young Person in Foster Placement	<u>Estimated</u> County Young People In Foster Care 2005 Count	Percent of <u>Est.</u> County Foster Placements in Age Range 2005 Percent	<u>Estimated</u> County Young People In Foster Care 2006 Count	Percent of <u>Est.</u> County Foster Placements in Age Range 2006 Percent	<u>Estimated</u> County Young People In Foster Care 2007 Count	Percent of <u>Est.</u> County Foster Placements in Age Range 2007 Percent
Younger Than 1 Yr.	16	9%	13	11%	3*	4%*
Ages 1-5 Years	28*	16%*	21*	18%*	23*	26%*
Ages 6-9 Years	38*	21%*	10*	8%*	10*	11%*
Ages 10-12 Years	24*	13%	16*	13%*	8*	9%*
Ages 13-15 Years	43	24%	24*	20%	18*	20%
Ages 16-17 Years	32	18%	35	29%	27	30%
Barnstable County Totals	181	100%	119	100%	89	100%

Table 1 Notes:

- Mass. Dept. of Public Health, MassCHIP custom report, *Children in Foster Care, 1998 and 2002-2007, Barnstable County*, copyright 1995-2008, available online at: <http://www.MassCHIPstate.ma.us>
- * These are estimated (“Est.”) caseloads based upon the most complete data available from the Mass. Dept. of Public Health MassCHIP database.

Analysis:

Data in Table 1 show a point-in-time caseload of 89 children in foster care in Barnstable County at year-end 2007. An estimated four-in-ten (41%) were nine years old or younger and about six-in-ten (59%) were between ten and seventeen years of age. Three-in-ten of Cape Cod children in foster placement were five years old or younger. These counts represent the estimated population of children in foster placement in Barnstable County at that particular point in time (i.e. these are data for *a particular point in time—year-end*, and do not reflect the total number of cases processed over an entire year).

EDUCATION

This section covers education-related information for Barnstable County’s public school districts for Grade Five through Grade Twelve and an overview of enrollment for all grades (PK-12). MCAS testing results are also examined, with Grade Eight and Grade Ten Spring 2007 results for each school district shown. Statistics on the gender, race/Hispanic identity of students enrolled in the Cape’s public school districts are provided.

Public School Enrollment

Information on public school enrollment covers Grade Five through Grade Twelve with the assumption that this includes young people ages 10 to 19 years-old. Table 2 shows the public school enrollment for Grade Five through Grade Eight for academic year 2007/2008 and compares these data with the previous year (2006/2007) enrollment data for each Cape Cod school district.

Table 2. Public School Enrollment in Grades Five - Eight (includes charter schools) For Barnstable County School Districts: Academic Years 2006/2007 and 2007/2008

School District	2006/2007 Grades 5-8 Enrollment Count	2007/2008 Grades 5-8 Enrollment Count	Grades 5-8 One-Year Change Count	Grades 5-8 One-Year Change Percent
Barnstable	874	927	+53	6.1%
Bourne	772	805	+33	4.3%
Brewster	75	99	+24	32.0%
Chatham	224	217	-7	-3.1%
Dennis-Yarmouth Regional	1,259	1,154	-105	-8.3%
Eastham	27	41	+14	51.9%
Falmouth	1,224	1,183	-41	-3.3%
Harwich	422	401	-21	-5.0%
Mashpee	606	592	-14	-2.3%
Nauset Regional	522	498	-24	-4.6%
Orleans	39	34	-5	-12.8%
Provincetown	65	42	-23	-35.4%
Sandwich	1,256	1,244	-12	-1.0%
Truro	28	29	+1	3.6%
Wellfleet	23	17	-6	-26.1%

Cape Cod Lighthouse Charter School	204	216	+12	5.9%
Barns. Horace Mann, Charter School	903	854	+49	-5.4%
Barnstable County Totals	8,523	8,379	-144	-1.7%

Table 2 Notes:

- Data source is the Mass. Dept. of Education web site at 7/11/08. Enrollment counts are as of October 1st of each academic year.

Table 3 shows the public school enrollment for Grade Nine through Grade Twelve for academic year 2007/2008 and compares these data with the previous year (2006/2007) enrollment data for each Cape Cod school district. Overall, public school enrollment fell by 144 students—or a net decrease of 1.7%. Public school Grade Five – Grade Eight enrollments decreased by Cape Cod geographic region as follows: Upper-Cape by 0.9%, Mid-Cape by 3.3% and, the Lower/Outer-Cape by 2.1%

Table 3. Public School Enrollment in Grades Nine – Twelve (includes vocational schools and charter schools) **For Barnstable County School Districts: Academic Years 2006/2007 and 2007/2008**

School District	2006/2007 Grades 9-12 Enrollment Count	2007/2008 Grades 9-12 Enrollment Count	Grades 9-12 One-Year Change Count	Grades 9-12 One-Year Change Percent
Barnstable	1,828	1,748	-80	-4.4%
Bourne	727	706	-21	-2.9%
Chatham	202	204	2	1.0%
Dennis-Yar. Regional	1,075	999	-76	-7.1%
Falmouth	1,218	1,143	-75	-6.2%
Harwich	424	396	-28	-6.6%
Mashpee	677	688	11	1.6%
Nauset Regional	1,069	1,028	-41	-3.8%
Provincetown	74	70	-4	-5.4%
Sandwich	1,091	1,020	-71	-6.5%
C.C. Reg. Voc. Tech.	686	723	37	5.4%
Sturgis Charter	340	352	12	3.5%
Upper Cape Voc.	629	653	24	3.8%
Barnstable County Totals	10,040	9,772	-268	-2.7%

Table 3 Notes:

- Data Source: Mass. Dept. of Education web site at 7/11/08. Enrollment counts are as of October 1st of each academic year.

Analysis:

Data in Tables 2 and 3 show that, overall in the past academic year, total Barnstable County Grade Five – Grade Twelve public school enrollment fell by 412 students—or a net decrease

of 2.2%. Grade Five – Grade Eight enrollment decreased almost two percent from October 1, 2006 to October 1, 2007 and Grade Nine - Grade Twelve enrollment decreased in the County by two-hundred sixty-eight young people (+2.7%) over that same period. Public school Grade Nine – Grade Twelve enrollments decreased by Cape Cod geographic region as follows: Upper-Cape by 3.0%, Mid-Cape by 4.4%, but the Lower/Outer-Cape by 1.4%). Note: In this Revision (D), the two regional vocational high schools are included in the percentages above.

Table 4 provides an overview of total enrollment in all grades (PK-12) in Cape Cod public schools.

Table 4. Barnstable County Public School Enrollment (including Charter Schools) **in PK– Grade 12: Academic Years 2006/2007 and 2007/2008** (Table 4 Notes: Same as for Table 3)

Grades	2006/2007 Public School PK-12 Enrollment	Percentage of Total P.S. 2006/2007 PK-12 Enrollment	2007/2008 Public School PK-12 Enrollment	Percentage of Total P.S. 2007/2008 PK-12 Enrollment	One-Year Change Count	One-Year Change Percent
PK (separate)	697	2%	718	3%	+21	+3.0%
PK - 4	10,598	36%	10,347	36%	-251	-2.4%
5 - 12 Total:						
Gr. 5 - 8	8,523	29%	8,379	30%	-144	-1.7%
Gr. 9 - 12	10,040	34%	9,772	34%	-268	-2.7%
Barnstable County Totals	29,179	100%	28,444	100%	-735	-2.5%

Analysis: Table 4 data show that total enrollment counts decreased in Barnstable County public school districts for Pre-Kindergarten through Grade Twelve (PK-12) over that past academic year, however, there was an increase for PK.

Student Gender, Race, and Hispanic Identity

The school enrollment data for academic year 2007/2008 show that for all public school districts on Cape Cod, 52% of the students were male and 48% were female. By comparison, for all Massachusetts school districts (public and private) combined, student gender proportions are 51% male and 49% female (Data Source: Mass. Dept. of Education, 2007/2008 *Massachusetts State Report Card*, available online at: <http://profiles.doe.mass.edu/staterc/part1.asp>).

Table 5 provides Mass. Dept. of Education statistics on race of Barnstable County public school students of ALL ages for academic year 2007/2008. For comparison purposes, relevant Massachusetts public school enrollment race percentages are also shown.

Table 5. Student Enrollment by Parent/Guardian-Identified Race/Ethnicity* For Barnstable County Public School Districts (including Charter Schools): **Academic Year 2007/2008**

School District	District 2007/2008 WHITE Count	District 2007/2008 AFRICAN AMER. Count	District 2007/2008 NATIVE AMER. Count	District 2007/2008 ASIAN Count	District 2007/2008 HISPANIC* Identity Count	District 2007/2008 <u>TOTAL</u> <u>Enrollment</u> Count
Barnstable	3,655	223	40	76	285	4,457**
Bourne	2,215	41	5	28	84	2,537**
Brewster	489	14	0	9	10	523
Chatham	640	11	2	11	30	710**

Dennis-Yarmouth Reg.	2,926	158	57	61	251	3,586**
Eastham	210	0	0	4	11	232
Falmouth	3,419	140	70	70	117	3,894**
Harwich	1,196	48	10	18	39	1,358
Mashpee	1,779	76	142	14	39	2054
Nauset Regional	1,452	18	2	20	34	1,528**
Orleans	179	3	3	6	3	198
Provincetown	149	14	1	10	23	195
Sandwich	3,524	22	4	54	18	3,622
Truro	122	2	0	3	7	137
Wellfleet	133	0	0	1	2	140
Barns. Horace Mann C.S.	701	36	16	10	53	854
CC Lighthouse Charter	199	2	0	4	8	216
CC Reg. Voc Tech. H.S.	631	22	7	0	42	724**
Marstons Mills East HMCS	448	4	3	4	4	474
Sturgis Charter School	315	11	0	1	9	352
Upper CC Voc. Tech H.S.	601	23	6	4	10	653
Barnstable County Totals (Count rounded from %)	24,982**	866**	367**	407**	1,078**	28,444**
Barnstable County Totals (Percent)	87.8%	3.0%	1.3%	1.4%	3.8%	100%
Massachusetts Public School Totals (Percent)	70.8%	8.1%	0.3%	4.9%	13.9%	100%

Table 5 Notes:

Counts (rounded from percentages) are as of October 1, 2007. Data Source: Mass. Dept. of Education web site, *School/District Profiles* as of 7/29/08.

* Race category descriptions are per Mass. DOE documentation. "Hispanic identity" is considered by Mass. DOE to be a separate "race/ethnicity" category. Thus, for enrollment purposes, public school students identified by their parent/guardian as Hispanic are counted in a separate "Race/Ethnicity" category. Note: These data are in direct contradiction to the U.S. Census Bureau definition of Hispanic, in which, "persons of Hispanic origin may be of any race." Due to this difference in definition, CAUTION is advised in comparing data in Table 5 with any U.S. Census Bureau Race, Hispanic or Latino statistics.

** Table 5 totals include "SPED Beyond 12" students. Totals are for PK-12 (28,419) plus a total of 25 ("SPED Beyond 12") students (at Barnstable, Bourne, Cape Cod Reg. Voc. Tech., Chatham, D-Y, Falmouth, and Nauset high schools).

Massachusetts Comprehensive Assessment System (MCAS) Results

Tables 6.a and 6.b, respectively, provide an overview of Grade Eight and Grade Ten Massachusetts Comprehensive Assessment System (MCAS) results for each public school district on Cape Cod for the Spring 2007 testing cycle. Table 6.a shows Grade Eight MCAS results for Mathematics and Science/Technology testing.

Table 6.a Mathematics and Science/Technology MCAS Results by Cape Cod Public School District for Grade Eight, Showing Percentage of Students at Each Performance Level (i.e., Advanced, Proficient, Needs Improvement, Warning/Failing): Spring 2007 Testing Cycle.

School District	MATH Adv. Percent.	MATH Prof. Percent	MATH N.I. Percent	MATH Warn./F Percent	SCI/TECH Adv. Percent	SCI/TECH Prof. Percent	SCI/TECH N.I. Percent	SCI/TECH Warn./F Percent
Barnstable	21%	33%	29%	17%	3%	34%	42%	20%
Bourne	22%	31%	33%	14%	1%	34%	50%	16%
Brewster	-	-	-	-	-	-	-	-
Chatham	29%	33%	26%	12%	3%	48%	38%	10%
Dennis-Yar. Reg.	15%	30%	32%	23%	2%	34%	43%	21%
Eastham	-	-	-	-	-	-	-	-
Falmouth	17%	34%	31%	18%	2%	31%	46%	21%
Harwich	6%	26%	44%	24%	2%	28%	57%	13%
Mashpee	14%	29%	32%	25%	2%	25%	49%	24%
Nauset Regional	39%	34%	16%	10%	10%	51%	32%	7%
Orleans	-	-	-	-	-	-	-	-
Provincetown	24%	19%	52%	5%	5%	24%	52%	19%
Sandwich	36%	37%	19%	8%	4%	39%	46%	10%
Truro	-	-	-	-	-	-	-	-
Wellfleet	-	-	-	-	-	-	-	-
CC Lighthouse Charter	22%	35%	22%	21%	0%	50%	41%	9%
CC Reg. Voc Tech High School	-	-	-	-	-	-	-	-
Barns. Horace Mann Charter	-	-	-	-	-	-	-	-
Sturgis Charter School	-	-	-	-	-	-	-	-
Upper CC Voc Tech High School	-	-	-	-	-	-	-	-

Table 6.a Notes

- Data source: Mass. Dept. of Education web site at 7/29/08. Percentages are for Spring 2007 Grade Eight testing cycle.

Table 6.b shows Grade Ten MCAS results for English-language Arts (ELA) and Mathematics tests.

Table 6.b English-Language Arts and Mathematics MCAS Results by Cape Cod School District for Grade Ten, Showing Percentage of Students at Each Performance Level (i.e., Advanced, Proficient, Needs Improvement, Warning/Failing): **Spring 2007 Testing Cycle.**

School District	ELA Adv. Percent	ELA Prof. Percent	ELA N.I. Percent	ELA Warn./F Percent	MATH Adv. Percent	MATH Prof. Percent	MATH N.I. Percent.	MATH Warn./F Percent
Barnstable	32%	43%	19%	6%	39%	28%	22%	11%
Bourne	22%	56%	19%	2%	35%	37%	20%	8%
Brewster	-	-	-	-	-	-	-	-
Chatham	38%	47%	11%	4%	69%	13%	17%	2%
Dennis-Yar. Reg.	24%	51%	16%	9%	42%	30%	20%	9%
Eastham	-	-	-	-	-	-	-	-
Falmouth	21%	54%	21%	4%	47%	28%	19%	5%
Harwich	29%	52%	18%	2%	41%	30%	24%	5%
Mashpee	14%	61%	22%	3%	33%	29%	33%	4%
Nauset Reg.	53%	36%	10%	1%	58%	28%	10%	4%
Orleans	-	-	-	-	-	-	-	-
Provincetown	4%	54%	42%	0%	22%	26%	48%	4%
Sandwich	38%	48%	13%	1%	64%	21%	11%	4%
Truro	-	-	-	-	-	-	-	-
Wellfleet	-	-	-	-	-	-	-	-
CC Lighthouse Charter	-	-	-	-	-	-	-	-
CC Reg. Voc Tech H.S.	7%	59%	31%	3%	28%	37%	30%	6%
Barns. Horace Mann Charter	-	-	-	-	-	-	-	-
Sturgis Charter School	39%	58%	4%	0%	52%	36%	11%	1%
Upper CC Voc Tech H.S.	8%	56%	34%	3%	18%	43%	32%	8%

Table 6.b Notes

- Data source: Mass. Dept. of Education web site at 7/29/08. Percentages are for Spring 2007 Grade Ten testing cycle.

Staying in High School: Completions and Dropouts

Table 7 provides the number and percentages of high school students staying in school (“completions”) and student dropout for each public high school district on Cape Cod. For comparison purposes, Massachusetts figures are also shown.

Table 7. Grade Nine – Grade Twelve Completions* by School District for Barnstable County High Schools: Year 2006/2007. Data Source: Mass. Dept. of Education

School District	2006/2007 Grades 9-12 ENROLLMENT Count	2006/2007 Grades 9-12 DROP-OUTS Count**	2006/2007 Grades 9-12 COMPLETIONS Percentage*	2006/2007 Grades 9-12 DROP-OUTS Percentage**
Barnstable	1,828	73	96.0%	4.0%
Bourne	727	24	96.7 %	3.3%
Chatham	202	6	97.0%	3.0%
Dennis-Yarmouth Reg.	1,075	52	95.2%	4.8%
Falmouth	1,218	37	97.0%	3.0%
Harwich	424	21	95.0%	5.0%
Mashpee	677	6	99.1%	0.9%
Nauset Regional	1,069	5	99.5%	0.5%
Provincetown	74	2	97.3%	2.7%
Sandwich	1,091	30	97.3%	2.7%
C.C. Reg. Voc. Tech.	686	21	96.9%	3.1%
Sturgis Charter	340	2	99.4%	0.6%
Upper Cape Voc. Tech.	629	8	98.7%	1.3%
Barnstable County Totals	10,040	287	97.1%	2.9%
Massachusetts Public School Totals	298,033	11,436	96.3%	3.8%

Table 7 Notes:

- Data Source: Mass. Dept. of Education report entitled, *Dropout Rates in Massachusetts Public Schools: 2006-07*. Available online at:
<http://www.doe.mass.edu/infoservices/reports/dropout/0607/default.html>
- * Percentage of the total Grade 9-12 student enrollment staying in high school (NOT dropping out) during the 2006/2007 academic year.
- ** Number of Grade 9-12 students who left school, “prior to graduation for reasons other than to transfer to another school and. . . [did] not re-enroll before the following October 1.”

Analysis:

Data in Table 7 show that over ninety-seven percent of Cape Cod Grade 9-12 students STAYED IN SCHOOL during academic year 2006/2007 (i.e., did NOT quit school). Six school districts in Barnstable County reported above-average high school COMPLETION rates. However, Harwich High School and Dennis-Yarmouth Regional high reported that about 5% of their Grades 9-12 students DROPPED OUT during that single school year. Harwich, Dennis-Yarmouth, Barnstable, Bourne, and Cape Cod Regional Vocational Technical high schools recorded the lowest high school completion rates on Cape Cod during academic year 2006/-2007.

HEALTH

Health Insurance Coverage

In Barnstable County, almost one-in-ten (9.0%) persons age 17 years or younger were without health insurance in the Fall of 2007. This percentage represents an estimated 3,690 Cape Cod children who were without health insurance coverage at the time of survey (Nov.-Dec. 2007). Among our most needy families, we estimate that almost ten percent (9.8%) of children did not have health insurance coverage. (Data Source: Monitoring The Human Condition Study, Annual Report of Findings - 2008, available online at:

http://www.bchumanservices.net/page.php?99,,150337p,bar2573,0,0,Index,ck_.html

See Section 5.5.2, Health & Healthcare).

Morbidity Indicators

Table 8 shows morbidity indicators for Barnstable County young people for 2005 with comparisons to Massachusetts.

Table 8. Morbidity Indicators – Hospitalizations of Young People Ages 10-19 Years in Barnstable County and Massachusetts: Year 2005. Data Source: Mass. Dept. of Public Health.

Morbidity Indicators	County Ages 10-14 Count	County Ages 10-14 Age-Specific Rate*	MASS. Ages 10-14 Age-Specific Rate*	County Ages 15-19 Count	County Ages 15-19 Age-Specific Rate*	MASS. Ages 15-19 Age-Specific Rate*	County Ages 10-19 TOTALS
All Hospitalizations:							
Males	114	1,738	1,774	191	2,815	2,668	305
Females	84	1,356	1,617	323	5,442	5,400	407
All Injuries/Poisoning Hospitalizations:							
Males	20	305	276	50	737	652	70
Females	15	242	150	31	522	416	46
All Respiratory System Disease Hospitalizations:							
Males	N/A	N/A	175	12	176	207	12+
Females	N/A	N/A	144	15	253	204	15+
Alcohol/Substance-Related Hospitalizations:							
Males	0	0	6	N/A	N/A	172	0+
Females	N/A	N/A	13	N/A	N/A	159	N/A

Table 8 Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP, Custom Report entitled, *Hospital Discharges, Selected Causes, 2000-2005, Ages 10-19, Barnstable County, MA*, copyright 1995-2008, available from Barnstable County Dept. of Human Services, Information Services Section, Data Bank Library.
- N/A means Not Available (but not zero).
- * Age-specific rate is count of hospital admissions per 100,000 young people in the given age group.

Table 9 provides data concerning admissions to publicly funded substance abuse treatment for Barnstable County young people age 19 years or younger for the years 2004-2006 with comparisons to Massachusetts.

Table 9. Substance Abuse Treatment Admissions (to publicly funded programs ONLY), **Persons Age 19 or Younger in Barnstable County and Massachusetts: Years 2004-2006**

Admission Year and Patient Gender	County Ages 10-14 Admissions Count	County Ages 10-14 Age-Specific Admissions Rate*	MASS. Ages 10-14 Age-Specific Admissions Rate*	County Ages 15-19 Admissions Count	County Ages 15-19 Age-Specific Admissions Rate*	MASS. Ages 15-19 Age-Specific Admissions Rate*	County Ages 10-20 Admissions <u>TOTALS</u> Count
2004: (revised)					(DPH revisions)	(DPH revisions)	
Male	N/A	N/A	40	203	3,029	1,743	203+
Female	N/A	N/A	34	82	1,400	761	82+
2004 Totals	N/A	-	-	285	-	-	285+
2005: (revised)			(DPH revisions)		(DPH revisions)	(DPH revisions)	
Male	N/A	N/A	31	222	3,272	1,469	222+
Female	0	0	30	90	1,516	799	90
2005 Totals	0+	-	-	312	-	-	312+
2006:							
Male	N/A	N/A	34	173	2,550	1,471	173+
Female	N/A	N/A	26	94	1,584	727	94+
2006 Totals	N/A	-	-	267	-	-	267+

Table 9 Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP, Custom Report entitled, *Substance Abuse Treatment Admissions, Ages 10-19, 2003-2006, Barnstable County, MA*, copyright 1995-2008, available from Barnstable County Dept. of Human Services, Information Services Section, Data Bank Library.
- N/A means Not Available (but not zero).
- * Age-specific rate is count of admissions to publicly-funded substance abuse treatment programs per 100,000 young people in the given age group.

INCOME SECURITY

Child Poverty, “Poor Children,” and Children Living in “Low Income” Families

Poverty is very difficult to measure with any degree of accuracy. In fact, no one “real” measure of poverty exists today—this is especially true for young people who, by definition, don’t have income themselves, thus provide few indicators of financial hardship. In this section, we show four different recent measures of economic disadvantage among the younger residents of Cape Cod. Each of these measures is based upon a different type of source information, each uses a different method of calculation, and the time period of data collection differs over a few years. Each does, however, give us a glimpse of the economic disadvantage of the Cape’s young people. Taken together, these four measures represent our best understanding of the economic hardship faced by young people and their families across the County.

Measure #1: U.S. Census Bureau Census 2000 Child Poverty Statistics

Table 10.a shows Census 2000 poverty estimates for persons ages 17 years or younger for all fifteen Barnstable County towns. For comparison purposes, data for Massachusetts and the United States are also shown.

Table 10.a. U.S. Census Bureau Poverty* Estimates for Persons Ages 17 Years or Younger in Barnstable County Towns: Income Year 1999 (related children only).**

Data Source: Census 2000, Table DP-3.

Town	Town Persons Ages 5-17 Years in Poverty* in 1999 Count	Town Percentage of Persons Ages 5-17 Years in Poverty* in 1999 Percent	Town Persons Age 17 Years or Younger in Poverty* in 1999 Count	Town Percentage of Persons Age 17 Years or Younger in Poverty* in 1999 Percent
Barnstable (town)	917	11.8%	1,199	11.7%
Bourne	287	10.2%	412	10.4%
Brewster	25	1.5%	28	1.4%
Chatham	42	6.4%	42	5.1%
Dennis	168	8.4%	272	10.4%
Eastham	47	6.1%	61	6.5%
Falmouth	486	9.4%	584	8.8%
Harwich	160	9.1%	185	8.4%
Mashpee	155	6.8%	203	6.6%
Orleans	45	6.5%	45	5.6%
Provincetown	60	27.3%	63	22.7%
Sandwich	95	2.2%	186	3.3%
Truro	19	6.6%	30	8.5%
Wellfleet	31	8.6%	47	9.7%
Yarmouth	330	10.6%	460	11.1%
Barnstable County Totals	2,867	8.5%	3,817	8.6%
Massachusetts Totals	122,354	11.4%	170,795	11.6%
United States Totals	7,974,006	15.4%	11,386,031	16.1%

Table 10.a Notes:

- Data Source: U.S. Census Bureau, *Census 2000, Tables DP-3, Profile of Selected Economic Characteristics: 2000*, available through Barnstable County Dept. Human Services, Information Services, Data Bank Library.
- * “Poverty”: Living in a household where the 1999 income fell below 100% of the appropriate Federal poverty threshold.
- ** “Related children,” include all persons age 17 years or younger related to the householder, regardless of their marital status. Excluded are spouses of householders.

Measure #2: U.S. Census Bureau Statistics on “Poverty Among 5-17 Year-Old Children”

Table 10.b shows U.S. Census Bureau’s estimates for each public school district in Barnstable County in the year 2005 for school age persons (ages 5-17) living in families in poverty. These data are estimates based upon a mathematical model developed by the Census Bureau using information from family tax returns, Food Stamp recipient data, and Census 2000 samples. For comparison purposes, data for Massachusetts and the United States are also shown.

Table 10.b. Poverty Among School-Age Young People, Estimates Barnstable County
Public School Districts: Year 2005. Data Source: U.S. Census Bureau, Small Area Income
and Poverty Estimates (SAIPE)

School District	School District Grade Range	District Young People (Ages 5-17 Yrs) in Families in Poverty* in 2005 Est. Count	District Young People (Ages 5-17 Yrs) in Families in Poverty* in 2005 Est. Percent**
Barnstable (town)	PK-12	868	11.9%
Bourne	K-12	277	10.3%
Brewster	K-5	35	4.9%
Chatham	K-12	45	7.2%
Dennis-Yarmouth Reg.	K-12	479	9.9%
Eastham	K-5	18	5.6%
Falmouth	K-12	465	9.8%
Harwich	PK-12	148	9.2%
Mashpee	K-12	174	7.8%
Nauset Regional	6-12	97	5.4%
Orleans	K-5	26	8.5%
Provincetown	K-12	33	16.9%
Sandwich	K-12	174	4.3%
Truro	K-12	19	7.1%
Wellfleet	K-5	16	12.2%
Barns. Horace Mann Charter	5-6	N/A	N/A
CC Lighthouse Charter	6-8	N/A	N/A
Cape Cod Reg. Voc. Tech	9-12	N/A	N/A
Marstons Mills East HMCS	N/A	N/A	N/A
Sturgis Charter School	9-12	N/A	N/A
Upper Cape Voc. Tech	9-12	N/A	N/A
Barnstable County Totals	PK-12	2,874	9.0%
Massachusetts Totals	Pk-12	129,183	12.5%
United States Totals	PK-12	8,765,541	17.0%

Table 10.b Notes:

- Data Source: U.S. Census Bureau: *Small Area Income and Poverty Estimates (SAIPE) for Year 2005*, as of January 2008. Available online at: <http://www.census.gov/hhes/www/saie/index.html>
- N/A means Not Available
- * "Related" (see Table 10.a Notes) children ages 5-17 years residing in families whose prior year income falls below 100% of the poverty threshold appropriate to that family.
- ** Denominator is the number of "school age children" in the school district related by blood, marriage, or adoption to the householder in the home in which they reside.

Measure #3: Mass. Dept. of Education “Low Income” Student Statistics

The Mass. Dept. of Education defines a “Low-income” student as one who:

- is eligible for free or reduced price lunch; or
- receives Transitional Aid to Families benefits; or
- is eligible for food stamps.

The proportion of students classified as “low-income” by school administrators can be considered a rough measure of low-income status of young people families in the community. For all public schools on Cape Cod in 2007/2008 5,172 students were officially classified as “low income.” This number represents nearly one-in-every five public school students in Barnstable County. Table 10.c shows young people “low income” statistics for each public school district in Barnstable County at the beginning of the academic year 2007/2008 (i.e., as of Oct 1, 2007). For comparison purposes, Massachusetts data are also shown.

Table 10.c. “Low Income” Students in Barnstable County Public School Districts: Academic Year 2007/2008. Data Source: Mass. Dept. of Education, *School/District Profiles*.

School District	School District Grade Range	District “Low Income” Students* in Academic Year 2007/08 Est. Count	District “Low Income” Students* in Academic Year 2007/08 Percent**
Barnstable (town)	PK-12	912	20.5%
Bourne	K-12	536	21.1%
Brewster	K-5	59	11.3%
Chatham	K-12	97	13.7%
Dennis-Yarmouth Reg.	K-12	1,098	30.6%
Eastham	K-5	43	18.5%
Falmouth	K-12	705	18.1%
Harwich	PK-12	225	16.6%
Mashpee	K-12	362	17.6%
Nauset Regional	6-12	180	11.8%
Orleans	K-5	14	7.1%
Provincetown	K-12	61	31.3%
Sandwich	K-12	219	6.0%
Truro	K-12	38	27.7%
Wellfleet	K-5	9	6.4%
Barns. Horace Mann Charter	5-6	197	23.1%
CC Lighthouse Charter	6-8	16	7.4%
Cape Cod Reg. Voc. Tech	9-12	206	28.5%
Marstons Mills HMCS	N/A	33	7.0%
Sturgis Charter School	9-12	36	10.2%
Upper Cape Voc. Tech	9-12	126	19.3%
Barnstable County Totals	PK-12	5,172	18.2%

Massachusetts Totals	PK-12	283,827	29.5%
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Table 10.c Notes:

- Data Source: Massachusetts Dept. of Education, *School/District Profiles*, as of 7/29/08.
Available online at: <http://www.doe.mass.edu/infoservices>
- * Students who meet, “ANY ONE of the following definitions of low income:
 1. The student is eligible for free or reduced price lunch; or
 2. The student receives Transitional Aid to Families benefits; or
 3. The student is eligible for food stamps”
- ** Denominator is the total number of students enrolled in the school district.

Measure #4: TAFDC Recipient Statistics

Transitional Aid to Families with Dependent Children (TAFDC), “provides time-limited cash benefits to certain families with dependent children and pregnant women in the last 120 days of pregnancy.” (Program Description from Mass. Dept. of Transitional Assistance web site. See Table 10.d Notes for web site address). Table 10.d shows the latest available TAFDC recipient statistics for families with young people (ages 17 years or younger) for all fifteen Barnstable County towns. For comparison purposes, data for Massachusetts are also shown.

Table 10.d. Number of Transitional Aid To Families With Dependent Children (TAFDC) Recipients in Barnstable County: Years 2003-2007

Town	Town TAFDC Cases* in 2003 Count	Town TAFDC Cases* in 2004 Count	Town TAFDC Cases* in 2005 Count	Town TAFDC Cases* in 2006 Count	Town TAFDC Cases* in 2007 Count	Town 5-Year AVERAGE 2003-2007 Count
Barnstable (town)	298	272	234	248	254	261
Bourne	97	84	81	71	98	86
Brewster	10	16	15	17	12	14
Chatham	12	6	3	7	10	8
Dennis	83	83	85	83	78	82
Eastham	15	13	7	8	12	11
Falmouth	144	124	128	105	92	119
Harwich	23	26	33	37	23	28
Mashpee	61	64	68	52	56	60
Orleans	5	6	7	12	13	9
Provincetown	5	6	7	6	1	5
Sandwich	28	29	28	40	30	31
Truro	2	3	5	1	3	3
Wellfleet	4	8	10	8	6	7
Yarmouth	130	149	166	139	124	142
Barnstable County Totals	917	889	877	834	812	866
Massachusetts Totals	46,916	46,492	46,399	44,761	43,004	45,514

Table 10.d Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP Custom Report, *TAFDC Recipients – 1998-2007, Barnstable County, MA Towns*, available through Barnstable County Dept. Human Services, Information Services, Data Bank Library.
- * TAFDC “recipient” cases: Each household receiving TAFDC is referred to as a “case” on the Mass. Dept. of Transitional Assistance web site. The May 2008 Massachusetts state-wide caseload statistics show each case representing an average of 2.3 persons. State-wide caseload counts are available online at: http://www.mass.gov/?pageID=eohhs2modulechunk&&L=4&L0=Home&L1=Government&L2=Departments+and+Divisions&L3=Department+of+Transitional+Assistance&sid=Eeohhs2&b=terminalcontent&f=dta_r_finassist_tafdc&csid=Eeohhs2 and at: <http://www.mass.gov/Eeohhs2/docs/dta/may08.pdf>

Analysis:

In recent years, economic disadvantage among Cape Cod’s youngest residents has been indicated at about 9%-12% of the 0-17 year-old population. Among school age young people (ages 5-17) economic hardship estimates range from 9% to 18% depending upon the measure employed. That is, somewhere between 2,600 and 5,100 public school students on Cape Cod can be considered economically disadvantaged. In the 2007/2008 academic year, three school public school districts (Barnstable, Dennis/Yarmouth, and Falmouth) record the largest NUMBERS of students facing economic hardship, while several other school districts (Bourne, Dennis/Yarmouth Reg., Provincetown, Barnstable Horace Mann Charter School, and Cape Cod Voc. Tech. High School) have above-average PERCENTAGES of students who are economically disadvantaged. TAFDC recipient data show that Massachusetts state-wide caseloads have been declining steadily since 2003 (averaging about 46,000 cases over the past 5 years), so too are caseloads in Barnstable County, with the number of TAFDC recipients on Cape Cod in 2007 12% lower than the 2003 level.

PUBLIC SAFETY

Abuse/Neglect

Table 11 shows the number of cases in 1997 (the **LATEST** year for which statistics have been made public!) of alleged abuse/neglect of young people in Barnstable County. This information, provided by the Mass. Dept. of Public Health, notes that the term “abuse” refers to “physical, emotional, or sexual abuse or neglect, including congenital drug addiction and failure to thrive.” Note: The *duplicated* count re-counts the young person if there is more than one abuse/neglect report (complaint) during the year, while the *unduplicated* count counts a young person only one time, even though there may be more than one report during the year. Verified investigations means that the report of abuse/neglect has been substantiated by a formal investigation.

Table 11. Reported Cases of Child Abuse/Neglect in Barnstable County: Year 1997
(LATEST year for which data is available!)

Reports of Abuse/Neglect of Young People	Abuse/Neglect Cases in <u>1997</u> Count
Children allegedly abused/neglected (unduplicated count)	2,180

Children allegedly abused/neglected (duplicated count)	3,217
Children with investigations of abuse/neglect (duplicated count)	1,861
Children with verified investigations of abuse/neglect (duplicated count)	1,038

Table 11 Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP, *Kids Count Profile for Barnstable County*, copyright 1998-2008, available online at: <http://www.masschip.state.ma.us/InstantTopics/>

Analysis:

CAUTION: These data are extremely outdated! While recent County-level child abuse and neglect statistics are not available, we do have recent state-level, Massachusetts statistics. These indicate that in 2006, over 22,000 Massachusetts young people were substantiated (verified) as victims of child maltreatment. Data Source: *Child Maltreatment, 2006*, USDHHS, Administration For Children, and Families, Administration on Child, Youth and Family, Children’s Bureau, Web site address: <http://www.acf.hhs.gov/programs/cb/pubs/cm06/cm06.pdf>

“LATCH-KEY” CHILDREN

“Latch-Key” children are persons age 17 or younger who, “*arrive home from school to a house where no adult is present.*” Recent (2008) Monitoring The Human Condition on Cape Cod survey data indicate that nearly one-quarter (23%) of Cape Cod households with children have at least one child who can be considered “latch-key.”

Juvenile Delinquency

Table 12 shows the number of juvenile arrests in Barnstable County and arrest rate for selected crime categories in the latest year for which statistics are available (2005). For comparison, 2004 statistics are also shown. In these data, “juvenile” is defined as a person age 17 or younger.

Table 12. Selected Juvenile Arrests and Arrest Rates* For Barnstable County, MA: Years 2004 and 2005

Juvenile Arrests	Barnstable County - 2004 Juveniles Arrests (Count)	Barnstable County - 2004 Juveniles Arrest Rates* (Per 100K)	Barnstable County - 2005 Juveniles Arrests*	Barnstable County - 2005 Juveniles Arrest Rates* (Per 100K)
Violent Crime Index**	88	400	86	399
Property Crime Index***	162	736	204	946
Non Index Crimes:				
- Other Assaults	147	668	121	561
- Vandalism	66	300	66	306
- Drug Abuse Viol’s	99	450	117	543
- Liquor Laws	92	418	41	190
- All Other Offenses	153	695	192	891

Table 12 Notes:

Data Source: "Easy Access to FBI Arrest Statistics 1994-2005". Available online at: <http://ojjdp.ncjrs.gov/ojstatbb/ezaucr/> Counts and rates are FBI estimates. Crime categories are revised somewhat from previous revisions of this SNAPSHOTS Report.

* *Arrest Rate* here is defined as the number of arrests of persons under age 18 for every 100,000 persons ages 10-17, instead of the usual calculation based on dividing the number of arrests of persons ages 10-17 by the number of persons ages 10-17 in the population due to inconsistency in state reporting. The *Juvenile Justice Bulletin* author states that this definition introduces only a very slight amount of error, since, "just 2% of juvenile arrests involved youth under age 10. Note: Some juveniles may be arrested more than once, thus this is not the same as the number of individuals arrested (this is the number of ARRESTS, not the number of PERSONS arrested).

** Violent Crime includes: murder and non-negligent manslaughter, forcible rape, robbery, and aggravated assault.

*** Property Crime includes: burglary, larceny-theft, motor vehicle theft, and arson.

Tables 13.a and 13.b show juvenile court statistics for fiscal years FY 2000/2001 through FY 2007/2008 for the Barnstable County Juvenile Court System: Barnstable Juvenile Court, Falmouth Juvenile Court, and Orleans Juvenile Court. The number of juveniles (ages 7-16) in the court system, the gender of these juveniles, and number of charges against these juveniles are shown. Note: The Fiscal Year period is July 1-June 30.

Juveniles sent into court are either seen directly by a judge or a Magistrate. Following a hearing, the juvenile may be released by the court, may be remanded to the Juvenile Diversion Program, or proceed through the court system. Court outcomes vary considerably depending upon the individual situation.

Table 13.a Juveniles in the Barnstable County Juvenile Court System: Fiscal Years 2000/2001 through 2007/2008

Fiscal Year and Court District	Number of Juveniles in the Court System	Gender of Juveniles in the Court System (Male/Female)	Number of Charges* Against These Juveniles	Average Number of Charges* Per Juvenile
<u>FY 2000/2001</u>				
Barnstable Juvenile Court	344	Not Avail.	942	2.7
Falmouth Juvenile Court	172	Not Avail.	533	3.1
Orleans Juvenile Court	238	Not Avail.	586	2.5
Barnstable County Juvenile Court System Totals	754	559(M)/195(F)	2,061	2.7
<u>FY 2001/2002</u>				
Barnstable Juvenile Court	339	Not Avail.	848	2.5
Falmouth Juvenile Court	202	Not Avail.	647	3.2
Orleans Juvenile Court	218	Not Avail.	563	2.6
Barnstable County Juvenile Court System Totals	759	539(M)/220(F)	2,058	2.7

<u>FY 2002/2003</u>				
Barnstable Juvenile Court	287	Not Avail.	826	2.9
Falmouth Juvenile Court	223	Not Avail.	779	3.5
Orleans Juvenile Court	200	Not Avail.	548	2.7
Barnstable County Juvenile Court System Totals	710	516(M)/194(F)	2,153	3.0
<u>FY 2003/2004</u>				
Barnstable Juvenile Court	339	Not Avail.	929	2.7
Falmouth Juvenile Court	190	Not Avail.	502	2.6
Orleans Juvenile Court	176	Not Avail.	435	2.5
Barnstable County Juvenile Court System Totals	705	522(M)/183(F)	1,866	2.7
<u>FY 2004/2005</u>				
Barnstable Juvenile Court	279	Not Avail.	774	2.8
Falmouth Juvenile Court	168	Not Avail.	493	2.9
Orleans Juvenile Court	133	Not Avail.	282	2.1
Barnstable County Juvenile Court System Totals	580	Not Avail.	1,549	2.7
<u>FY 2005/2006</u>				
Barnstable Juvenile Court	254	Not Avail.	803	3.2
Falmouth Juvenile Court	179	Not Avail.	728	4.1
Orleans Juvenile Court	125	Not Avail.	303	2.4
Barnstable County Juvenile Court System Totals	558	Not Avail.	1,834	3.3
<u>FY 2006/2007</u>				
Barnstable Juvenile Court	263	Not Avail.	713	2.7
Falmouth Juvenile Court	181	Not Avail.	541	3.0
Orleans Juvenile Court	111	Not Avail.	335	3.0
Barnstable County Juvenile Court System Totals	555	385(M)/170(F)	1,589	2.9
<u>FY 2007/2008</u>				
Barnstable Juvenile Court	181	Not Avail.	449	2.5
Falmouth Juvenile Court	138	Not Avail.	420	3.0
Orleans Juvenile Court	111	Not Avail.	325	2.9
Barnstable County Juvenile Court System Totals	430	294(M)/136(F)	1,194	2.8

Table 13.a Notes:

- Data Source: Barnstable County Juvenile Court System juvenile delinquency data updated by J. David Bowie, Assistant Clerk, Barnstable County/Town of Plymouth.

* Technical Note: Each charge filed against a juvenile is considered a separate “case” for accounting purposes, thus, the number of “cases” is larger than the number of delinquent juveniles.

Table 13.b shows juvenile Magistrate Hearing statistics for fiscal years FY 2000-2001 through FY 2007-08 for the Barnstable County Juvenile Court System: Barnstable Juvenile Court, Falmouth Juvenile Court and Orleans Juvenile Court. The number of juveniles appearing before a Magistrate and number of charges (“cases”) against these juveniles are shown.

Table 13.b Juveniles With Magistrate Hearings in the Barnstable County Juvenile Court System: Fiscal Years 2000/2001 through 2007/2008

Fiscal Year and Court District	Number of Juveniles With a Magistrate Hearing	Number of Charges* Against These Juveniles	Average Number of Charges* Per Juvenile
<u>FY 2000/2001</u>			
Barnstable Juvenile Court	213	372	1.8
Falmouth Juvenile Court	127	257	2.0
Orleans Juvenile Court	66	123	1.9
Barnstable County Juvenile Court System Totals	406	752	1.9
<u>FY 2001/2002</u>			
Barnstable Juvenile Court	214	315	1.5
Falmouth Juvenile Court	162	285	1.8
Orleans Juvenile Court	61	115	1.9
Barnstable County Juvenile Court System Totals	437	715	1.6
<u>FY 2002/2003</u>			
Barnstable Juvenile Court	165	265	1.6
Falmouth Juvenile Court	199	365	1.8
Orleans Juvenile Court	60	98	1.6
Barnstable County Juvenile Court System Totals	424	728	1.7
<u>FY 2003/2004</u>			
Barnstable Juvenile Court	158	308	2.0
Falmouth Juvenile Court	158	280	1.8
Orleans Juvenile Court	36	57	1.6
Barnstable County Juvenile Court System Totals	352	645	1.8

<u>FY 2004/2005</u>			
Barnstable Juvenile Court	135	218	1.6
Falmouth Juvenile Court	153	282	1.8
Orleans Juvenile Court	40	77	1.9
Barnstable County Juvenile Court System Totals	328	577	1.8
<u>FY 2005/2006</u>			
Barnstable Juvenile Court	131	222	1.7
Falmouth Juvenile Court	174	333	1.9
Orleans Juvenile Court	75	118	1.6
Barnstable County Juvenile Court System Totals	380	673	1.8
<u>FY 2006/2007</u>			
Barnstable Juvenile Court	126	191	1.5
Falmouth Juvenile Court	168	307	1.8
Orleans Juvenile Court	55	86	1.6
Barnstable County Juvenile Court System Totals	349	584	1.7
<u>FY 2007/2008</u>			
Barnstable Juvenile Court	112	185	1.7
Falmouth Juvenile Court	128	246	1.9
Orleans Juvenile Court	38	54	1.4
Barnstable County Juvenile Court System Totals	278	485	1.8

Table 13.b Notes:

- Data Source: Barnstable County Juvenile Court System Magistrate Hearings data provided by J. David Bowie, Assistant Clerk, Barnstable County/Town of Plymouth.
 - Juvenile Diversion Programs statistics provided by Kathy Quatromoni, Director, Community Programs, Office of Cape & Islands District Attorney.
- * Technical Note: Each charge filed against a juvenile is considered a separate “case” for accounting purposes, thus, the number of “cases” is larger than the number of hearings.

Analysis:

Data provided in Tables 13.a and 13.b show that over the past eight years an annual average of 631 juveniles (ages 7-16) were sent to court in Barnstable County. An average of 369 of these juveniles were called to a hearing before a Magistrate rather than a before judge. Of the approximately 631 juveniles brought into court each year, more than one-third (36%) are remanded to the Juvenile Diversion Program (1st time offenders only) to receive services.

VITAL STATISTICS

This section covers information on adolescent/teen births, birth rates, teen prenatal care and risk behavior, mortality indicators, suicide deaths, age distributions, and population counts.

Pre-Teen/Teenage Births and Birth Rates

Table 14 provides the number of births to Massachusetts teenagers and compares birth rates of mothers ages 15-19 years for Massachusetts with those of the United States for the years 1980, 1985, and 1990-2006.

Table 14. Teenage Resident Births* and Teen Birth Rates - Mothers Ages 15-19 Years In Massachusetts and the United States: Years 1980, 1985, 1990, and 1995-2006**

Year	Massachusetts Mothers Ages 15-19 Births Count	Massachusetts Mothers Ages 15-19 Birth Rate**	United States Mothers Ages 15-19 Births Count	United States Mothers Ages 15-19 Birth Rate**
1980	7,694	28.1	552,161	53.0
1985	6,859	28.7	467,485	51.0
1990	7,258	35.4	521,826	59.9
1995	5,990	33.0	499,873	56.8
1996	5,758	32.6	491,577	54.5
1997	5,801	33.8	489,211	52.9
1998	5,823	28.1	N/A	N/A
1999	5,515	26.7	N/A	N/A
2000	5,305	25.9	N/A	47.7
2001	4,979	24.9	445,944	45.3
2002	4,642	23.3	424,670	42.9
2003	4,639	23.0	414,580	41.6
2004	4,559	22.2	415,262	41.1
2005	4,539	21.7	414,593	40.5
2006	4,722	21.3	435,427***	41.9***

Table 14 Notes:

- Data Source: Massachusetts data are from Mass. Dept. of Public Health, *Table 1: Trends in Birth Characteristics, Massachusetts: 1980, 1985, 1994-2006* available online at: http://www.mass.gov/Eeohhs2/docs/dph/research_epi/birth_report_2006.pdf
- United States data for the years 2005-2006 are from, *Births: Preliminary Data for 2006*, National Vital Statistics Reports, Vol. 56, Number 7, December 5, 2007. Available online at: <http://www.cdc.gov/nchs/nvss.htm>
- N/A means Not Available
- * Resident Births are those to mothers whose legal residence is in the geographic area..
- ** Birth rate is the total number of live births to women ages 15-19 years per 1,000 women ages 15-19 years.
- *** United States data for the year 2006 are PRELIMINARY only.

Tables 15.a and 15b show pre-teen/teen resident births to mothers ages 19 years or younger for Barnstable County towns, including data for mothers under the age of 18 when available.

**Table 15.a Pre-Teen/Teen Resident Births* To MOTHERS UNDER AGE 18 YEARS
In Barnstable County: Years 2001-2006**

Town	Town Under Age 18 Births in 2001 Count	Town Under Age 18 Births in 2002 Count	Town Under Age 18 Births in 2003 Count	Town Under Age 18 Births in 2004 Count	Town Under Age 18 Births in 2005 Count	Town Under Age 18 Births in 2006 Count	Town Five-Year Average < Age 18 Births Years 2002-2006 Count
Barnstable	9	17	5	5	1-4**	1-4**	N/A
Bourne	1-4**	7	5	1-4**	1-4**	1-4**	N/A
Brewster	0	0	1-4**	0	0	1-4**	N/A
Chatham	0	0	0	0	0	0	0
Dennis	1-4**	1-4**	0	1-4**	5	1-4**	N/A
Eastham	0	0	0	0	1-4**	0	N/A
Falmouth	5	9	10	8	1-4**	1-4**	N/A
Harwich	1-4**	1-4**	0	1-4**	1-4**	0	N/A
Mashpee	1-4**	1-4**	1-4**	1-4**	1-4**	1-4**	N/A
Orleans	1-4**	0	0	0	1-4**	0	N/A
Provincetown	0	0	0	0	0	0	0
Sandwich	1-4**	1-4**	1-4**	1-4**	1-4**	0	N/A
Truro	0	0	0	0	0	0	0
Wellfleet	0	1-4**	0	0	0	0	N/A
Yarmouth	1-4**	1-4**	5	6	0	1-4**	N/A
Barnstable County Totals	31	41	32	27	23	17	28
Massachusetts Totals	1,705	1,571	1,529	1,496	1,499	1,435	1,506

**Table 15.b Pre-Teen/Teen Resident Births* To MOTHERS UNDER AGE 20 YEARS
In Barnstable County: Years 2001-2006**

Town	Town Under Age 20 Births in 2001 Count	Town Under Age 20 Births in 2002 Count	Town Under Age 20 Births in 2003 Count	Town Under Age 20 Births in 2004 Count	Town Under Age 20 Births in 2005 Count	Town Under Age 20 Births in 2006 Count	Town Five-Year Average: Under Age 20 Births Years 2002-2006 Count
Barnstable	38	35	29	21	29	29	29
Bourne	10	17	13	7	16	11	13
Brewster	1-4**	1-4**	1-4**	1-4**	1-4**	1-4**	N/A
Chatham	0	1-4**	1-4**	0	0	0	N/A
Dennis	5	7	1-4**	8	14	9	N/A

Eastham	1-4**	0	1-4**	1-4**	5	1-4**	N/A
Falmouth	16	24	19	25	14	21	21
Harwich	1-4**	5	1-4**	6	6	1-4**	8
Mashpee	9	5	6	10	7	13	N/A
Orleans	1-4**	0	1-4**	0	1-4**	0	N/A
Provincetown	0	1-4**	0	0	0	0	N/A
Sandwich	6	1-4**	1-4**	8	8	7	N/A
Truro	0	1-4**	0	1-4**	1-4**	0	N/A
Wellfleet	0	1-4**	0	0	0	0	N/A
Yarmouth	14	11	15	15	7	18	13
Barnstable County Totals	107	115	98	105	113	113	109
Massachusetts Totals	5,057	4,715	4,695	4,601	4,598	4,778	4,677

Tables 15.a – 15.b Notes:

- Data for years 2001-2006 from the Mass. Dept. of Public Health, MassCHIP Custom Report entitled, *Births to 10-19 YO Mothers (Under Age 20 Years), Years 2001-2006, Barnstable County, MA*, copyright 1995-2008. Available from Barnstable County Dept. of Human Services, Information Services Section, Data Bank Library.
- N/A means Not Available
- * “Resident Births” are those to mothers whose legal residence is in the town.
- ** “1-4” means one-to-4 births; fewer than five, but not zero (details not available).

Analysis:

There has been a decrease in the annual number of pre-teen/teen births in Barnstable County from 115 in 2002 to 113 in 2006. Over that 5-year period, an average of 109 babies were born in Barnstable County to mothers younger than age 20. Of those, just over one-quarter (an average of 28 per year) were born to mothers age 17 or younger.

Table 16 shows the number of teen births in 2006 by race/”Hispanic ethnicity” for women ages 15-to-44 years living in Barnstable County, with comparisons to the Massachusetts age-specific birth rates.

Table 16. Pre-Teen/Teen Resident Births* by Race/Hispanic Ethnicity To Mother Ages 10-19 Years in Barnstable County and Massachusetts: Year 2006**

Mother’s Race/- Hispanic Ethnicity**	County Mothers Ages 10-17 Births in 2006 Count	County Mothers Ages 10-17 Births in 2006 Percent	Mass. Mothers Ages 10-17 Births in 2006 Percent	County Mothers Ages 18-19 Births in 2006 Count	County Mothers Ages 18-19 Births in 2006 Percent	Mass. Mothers Ages 18-19 Births in 2006 Percent
Births To Ages 10-19:						
White, non-Hispanic	11	65%	36%	75	78%	48%
Black, non-Hispanic	1-4***	N/A	15%	8	8%	12%
Hispanic Ethnicity**	1-4***	N/A	41%	1-4***	N/A	34%
Asian/Pacific Islander	0	0%	4%	0	0%	3%
Other	1-4***	N/A	4%	11	12%	4%

Table 16 Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP, *Adolescent Health Report for Barnstable County*, copyright 1999-2008, available online: <http://masschip.state.ma.us/InstantTopics/affiliate.htm>
- N/A means Not Available.
 - * “Resident Births” are those to mothers whose legal residence is in the town.
 - ** “Hispanic Ethnicity” is defined in these DPH data as a separate “Race” category. Note: This is in direct contradiction to the U.S. Census Bureau definition of Hispanic, in which, “persons of Hispanic origin may be of any race.” Due to this difference in definition, CAUTION is advised in comparing data in Table 16 with any U.S. Census Bureau Race, Hispanic or Latino statistics.
 - *** “1-4” means one-to-4 births; i.e., fewer than five, but not zero (details not available).

Table 17 shows the birth characteristics of young mothers in Barnstable County in 2006 with comparisons to Massachusetts data.

Table 17. Pre-Teen/Teen Birth-Related Characteristics for Mothers Ages 10-19 Years in Barnstable County and Massachusetts: Year 2006

Birth-Related Characteristics	County Ages 10-17 in 2006 Count	County Ages 10-17 in 2006 Percent	Mass. Ages 10-17 in 2006 Percent	County Ages 18-19 in 2006 Count	County Ages 18-19 in 2006 Percent	Mass. Ages 18-19 in 2006 Percent
<u>Prenatal Care:</u>						
Adequate Prenatal Care	9	60%	66%	75	78%	71%
Started Care in 1 st Trimester	9	60%	59%	71	74%	68%
Public Source of Payment	10	59%	76%	67	70%	79%
<u>Maternal Behaviors:</u>						
Smoked During Pregnancy	1-4**	N/A	10%	29	30%	15%
Breast Feeding or Intention	9	53%	64%	65	68%	68%
<u>Birth Outcomes:</u>						
Premature Births*	1-4**	N/A	10%	5	5%	9%
Low Birthweight**	1-4**	N/A	11%	1-4**	N/A	9%
<u>First Time Mothers:</u>	15	88%	94%	81	84%	83%

Table 17 Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP, *Adolescent Health Report for Barnstable County*, copyright 1999-2008, available online: <http://masschip.state.ma.us/InstantTopics/affiliate.htm>
- * “Premature births” (also referred to as Preterm deliveries) are births before 37 weeks of gestation. Definition Source: Centers For Disease Control and Prevention (CDC), Division of Reproductive Health. Available online at: <http://www.cdc.gov/reproductivehealth/MaternalInfantHealth/PBP.htm>
- ** “Low Birthweight,” a baby with a delivery weight of under 2,500 grams (5.5 pounds).

Pre-Teen/Teen Mortality Indicators

Table 18 shows overall mortality counts and rates for young people under age 20. The data in Tables 18.a – 18.d, from the Mass. Dept. of Public Health, show death counts for Barnstable County pre-teens/teens ages 10-19 years by specific causes including; cancer, injuries and poisonings, motor vehicle accidents, and suicides, comparing year 2005 County counts to the Massachusetts counts.

Table 18 shows mortality indicators for Barnstable County for the years 2000-2005 with comparisons to Massachusetts mortality rates.

Table 18. Mortality Indicators For Barnstable County and Massachusetts For Decedents Under Age 20 Years: Years 2000-2005. Data Source: Mass. Dept. of Public Health

Year	Barns. County TOTAL Deaths Under Age 20 Count	Barns. County TOTAL Deaths Under Age 20 Rate*	Mass. TOTAL Deaths Under Age 20 Rate*	Barns. County INJURY Deaths Under Age 20 Count	Barns. County INJURY Deaths Under Age 20 Rate*	Mass. INJURY Deaths Under Age 20 Rate*
2000	24	48.6	43.1	6**	12.2**	10.9**
2001	28	56.8	45.0	13	26.4	12.2
2002	22	44.6	43.9	8	16.2	10.7
2003	26	52.7	44.2	7	14.2	11.8
2004	22	47.0	43.0	9	19.2	12.2
2005	16	34.8	41.4	8	17.4	10.9

Table 18 Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP, Custom Report entitled, *Deaths, Total and Due to Injury, 2000-2005, Ages 0-19 Years, Barnstable County, MA*, copyright 1995-2008, available from Barnstable County Dept. of Human Services, Information Services Section, Data Bank Library.
- * Age-specific rates, per 100,000 persons in age group.
- ** Year 2000 Injury-related death data have been revised by Mass. Dept. of Public Health in recent MassCHIP Custom Reports. Current data differ from those shown in Revision A of SNAPSHOTS Report #02-001.

Pre-Teen/Teen Cancer Deaths

Table 18.a provides cancer death counts for young people ages 10-19 years in Barnstable County and Massachusetts from 2001-2005.

Table 18.a Cancer Deaths of Persons Ages 10-19 Years in Barnstable County and Massachusetts: Years 2001-2005

Year	County Ages 10-19 TOTAL Deaths Count	County Ages 10-19 CANCER Deaths Count	Massachusetts Ages 10-19 TOTAL Deaths Count	Massachusetts Ages 10-19 CANCER Deaths Count
2001	9	0	251	22
2002	10	0	224	23
2003	9	1	257	28
2004	7	0	249	20
2005	7	0	211	14

Table 18.a Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP Custom Report, *Deaths, 2000-2005, Ages 0-19 Years, Barnstable County, MA*, copyright 1995-2008. Available from Barnstable County Dept. of Human Services, Information Services Section, Data Bank Library.

Pre-Teen/Teen Injury & Poisoning Deaths

Table 18.b provides total injury and poisoning-related death counts for young people ages 10-19 years in Barnstable County and Massachusetts from 2001-2005.

Table 18.b. Injury & Poisoning Deaths of Persons Ages 10-19 Years in Barnstable County and Massachusetts: Years 2001-2005

Year	County Ages 10-19 <u>TOTAL</u> Deaths Count	County Ages 10-19 Total INJURY & POISONING Deaths Count	Massachusetts Ages 10-19 <u>TOTAL</u> Deaths Count	Massachusetts Ages 10-19 Total INJURY & POISONING Deaths Count
2001	9	9	251	162
2002	10	7	224	142
2003	9	7	257	164
2004	7	5	249	162
2005	7	6	211	153

Table 18.b Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP Custom Report, *Deaths, 2000-2005, Ages 0-19 Years, Barnstable County, MA*, copyright 1995-2008. Available from Barnstable County Dept. of Human Services, Information Services Section, Data Bank Library.

Pre-Teen/Teen Motor Vehicle-Related Deaths

Table 18.c provides motor vehicle death counts for young people ages 10-19 years in Barnstable County and Massachusetts from 2001-2005.

Table 18.c Motor Vehicle-Related Deaths of Persons Ages 10-19 Years in Barnstable County and Massachusetts: Years 2001-2005

Year	County Ages 10-19 <u>TOTAL</u> Deaths Count	County Ages 10-19 MOTOR VEHICLE Deaths Count	Massachusetts Ages 10-19 <u>TOTAL</u> Deaths Count	Massachusetts Ages 10-19 MOTOR VEHICLE Deaths Count
2001	9	5	251	85
2002	10	3	224	67
2003	9	4	257	81
2004	7	3	249	69
2005	7	2	211	63

Table 18.c Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP Custom Report, *Deaths, 2000-2005, Ages 0-19 Years, Barnstable County, MA*, copyright 1995-2008. Available from Barnstable County Dept. of Human Services, Information Services Section, Data Bank Library.

Pre-Teen/Teen Suicide Deaths

Table 18.d provides suicide death counts for young people ages 10-19 years in Barnstable County and Massachusetts from 2001-2005.

Table 18.d Suicide Deaths of Persons Ages 10-19 Years in Barnstable County and Massachusetts: Years 2001-2005

Year	County Ages 10-19 <u>TOTAL</u> Deaths Count	County Ages 10-19 SUICIDE Deaths Count	Massachusetts Ages 10-19 <u>TOTAL</u> Deaths Count	Massachusetts Ages 10-19 SUICIDE Deaths Count
2001	9	2	251	23
2002	10	0	224	14
2003	9	1	257	26
2004	7	1	249	22
2005	7	2	211	20

Table 18.d Notes:

- Data Source: Mass. Dept. of Public Health, MassCHIP Custom Report, *Deaths, 2000-2005, Ages 0-19 Years, Barnstable County, MA*, copyright 1995-2008. Available from Barnstable County Dept. of Human Services, Information Services Section, Data Bank Library.

Population of Young People Ages 10 to 19 Years in Barnstable County

This section covers the population of young people in Barnstable County ages 10-19 years, includes a breakdown of this age group by town, and compares this age category to the birth-to-nine year-old counts. The percentage of all young people ages birth to 19 years is also shown.

Table 19 data from the U.S. Census Bureau and projections by the Massachusetts State Data Center (MISER) indicate that the number of young people ages 10-19 years in Barnstable County was to increase slightly, by about 400 persons (+2%), between the years 2000 and 2007.*

Table 19. Population of Young People Ages 10-19 Years in Barnstable County Towns: Years 2000 and 2007 (Projected)*

Town	Town Ages 10-14 2000 Count	Town Ages 15-19 2000 Count	Town Ages 10-19 <u>TOTAL</u> 2000 Count	Town Ages 10-14 2007* Count	Town Ages 15-19 2007* Count	Town Ages 10-19 <u>TOTAL</u> 2007* Count	Town Five-Year Change 2000-2007* Count	Town Five-Year Change 2000-2007* Percent
Barnstable	3,174	2,690	5,864	3,115	3,097	6,212	+348	+5.9%
Bourne	1,162	1,169	2,331	1,141	1,184	2,325	-6	-0.3%
Brewster	717	612	1,329	572	653	1,225	-104	-7.8%
Chatham	266	284	550	235	244	479	-71	-12.9%
Dennis	865	753	1,618	746	682	1,428	-190	-11.7%
Eastham	334	263	597	300	250	550	-47	-7.9%
Falmouth	2,188	1,767	3,955	1,885	1,844	3,729	-226	-5.7%
Harwich	704	592	1,296	671	658	1,329	+33	+2.5%
Mashpee	985	642	1,627	991	940	1,931	+304	+18.7%
Orleans	305	260	565	242	246	488	-77	-13.6%
Provincetown	87	112	199	62	85	147	-52	-26.1%
Sandwich	1,845	1,264	3,109	1,940	1,685	3,625	+516	+16.6%
Truro	136	91	227	100	90	190	-37	-16.3%
Wellfleet	151	164	315	120	110	230	-85	-27.0%
Yarmouth	1,289	1,062	2,351	1,263	1,189	2,452	+101	+4.3%
Barnstable County Totals	14,208	11,725	25,933	13,383	12,957	26,340	+407	+1.6%
Massachusetts Totals	431,247	415,737	846,984	423,494	451,968	875,462	+28,478	+3.4%

Table 19 Notes:

- The 2000 U.S. Census information from *Profiles of General Demographic Characteristics: 2000 Census of Population and Housing*, demographic profiles selected by Barnstable County Dept. Human Services, Information Services Section, July 25, 2001.
- * Counts for the year 2007 calculated by Barnstable County Dept. of Human Services based upon population PROJECTION data provided by the Massachusetts Institute For Economic and Social Research (MISER) at UMASS, Amherst—the State Data Center. Calculation uses a linear interpolation between official Census 2000 counts and MISER Middle-Series projections for the year 2010.

Table 20 shows the distribution of persons ages birth to 19 years for 2000 and 2006 (estimated),* and shows a comparison of changes in the various age ranges over that 6-year interval.

Table 20. Distribution of Young People of Ages Birth-19 Years in Barnstable County: Years 2000 and 2006 (Estimated)*

Age Range	County <u>TOTAL</u> Census 2000 Age Group Population Count	Percentage of County <u>TOTAL</u> 2000 Census Population Percent	County <u>TOTAL</u> Est'ed 2006* Age Group Population Count	Percentage of County <u>TOTAL</u> 2006 (estimated) Population*	County Six-Year Change: 2000-2006 Percent
Birth-9 Years:	23,410	10.5%	19,674	8.8%	-16.0%
Under 5 Years	10,599	4.8%	9,289	4.1%	-12.4%
Ages 5-9 Years	12,811	5.8%	10,385	4.6%	-18.9%
10-19 Years:	25,933	11.7%	25,187	11.0%	-2.9%
Ages 10-14 Years	14,208	6.4%	11,961	5.3%	-15.8%
Ages 15-19 Years	11,725	5.3%	13,226	5.8%	+12.8%
Birth-19 Years:	49,343	22.2%	44,861	19.7%	-9.1%

Table 20 Notes:

- Data Source: Census 2000 information from *Profiles of General Demographic Characteristics: 2000 Census of Population and Housing*, demographic profiles selected by Barnstable County Dept. Human Services, Information Services Section, July 25, 2001.
- * Counts for the year 2006 have been estimated by the US Census Bureau using results of the American Community Survey (ACS) – 2006. Using these results, the estimated TOTAL POPULATION (persons of all ages) of Barnstable County in the year 2006 was 224,816 persons, an increase of 2,586 (or +1.2%) persons since Census 2000.

Analysis:

In the face of an estimated 1.2% increase in the overall population of Barnstable County during the first six years of this decade (see Note above), the Cape Cod younger population (ages 0-19 years) is estimated (by the Census Bureau) to have declined, showing a loss of 4,482 younger residents (or -9.1%) during that period. This loss can be compared with the 15% growth in this same population, during the prior decade (1990-1999). Our population of young people, as a percentage of the Cape's TOTAL resident population, has now dropped to a level of just under 20%.

Glossary:

Acronyms and terms used in this SNAPSHOT Report:

Academic Year	A full “school year” beginning in September.
Barnstable County	The fifteen Cape Cod towns of; Barnstable, Bourne, Brewster, Chatham, Dennis, Eastham, Falmouth, Harwich, Mashpee, Orleans, Provincetown, Sandwich, Truro, Wellfleet, and Yarmouth.
Cape Cod	Barnstable County, Massachusetts.
Census 2000 data	Official statistics derived from the Year 2000 U.S. decennial census.
Charter School	An independent public school separate from the local town/-regional school district.
Child in Poverty	A person age 17 or younger living in a household where Annual household income fell below 100% of the appropriate Federal poverty threshold.
DOE	Massachusetts Department of Education.
DPH	Massachusetts Department of Public Health.
ELA	Abbreviation for English Language Arts (an MCAS measure).
Estimate	A figure representing an imprecisely known quantity from the past.
Hispanic Ethnicity	A Mass. DOE and Mass. DPH “Race” category in which a person has identified him/herself or a minor student as “Hispanic.” Contrast with “Hispanic Origin.”
Hispanic Origin	A U.S. Census Bureau category separate from race, in which an Hispanic person, “can be of any race.” Contrast with “Hispanic Ethnicity.”
Horace Mann School	A specialized public school which is a part of a town school district.
Juvenile Delinquent	A person ages 7-16 years-old found guilty of a criminal offense.
Juvenile Diversion Program	A program of the Mass. District Attorney’s Office to which first-time juvenile offenders may be remanded for services.
Juvenile Magistrate	A court official authorized to hear juvenile cases.
Linear Interpolation	The choice of the exact middle point on a straight line graph between two points.
Low Birthweight	A baby with a delivery weight of under 2,500 grams (5.5 pounds).
Low Income Student	A student classified by the Mass DOE, as one who: <ul style="list-style-type: none">- is eligible for free or reduced price [school] lunch; or- receives “Transitional Aid to Families” benefits; or- is eligible for food stamps.

Magistrate Hearing	An official hearing of a juvenile before a Juvenile Magistrate.
MATH	Abbreviation for Mathematics (an MCAS measure).
MCAS	Massachusetts Comprehensive Assessment System.
Premature Birth	Also, a “Preterm” delivery, is a birth before 37 weeks of gestation.
Pre-Teen/Teen Births	Births to mothers age 19 years or younger.
Projection	A figure representing a predicted quantity in the future.
Resident Birth	Birth to a mother whose legal residence at the time of delivery was within the given town (excludes in-town/in-hospital births to non-residents). Example: A birth in Falmouth Hospital to a mother legally residing in Lexington would be classified as an Occurrence Birth in Falmouth, but not a Resident Birth. The Resident Birth would be recorded in the town of Lexington.
SAIPE	Small Area Income and Poverty Estimates from the U.S. Census Bureau.
School District	Massachusetts Dept. of Education designation for a grouping of schools or single school.
SCI/TECH	Abbreviation for Science/Technology (an MCAS measure).
Teen Birth Rate	Number of births to mothers ages 15- 19 years-old per 1,000 teens ages 15-19 years-old.
Trimester	Three-month period.
MISER	Massachusetts Institute For Economic and Social Research, the official Massachusetts state data center.
UMASS	University of Massachusetts.
Young People	Persons age 17 years or younger.
Young People Family	A family which includes one or more young person (age 17 years or younger).

