

Births to Entering Class Ratio Worksheet
City of Rochester, NH School Department - 2001-02 - Recent Migration Model

Birth Year	Number Births	1st Grade Year	1st Class Size	Ratio 1st/Birth	Proj. 1st Grade	Net Preschool Migration
1985-86	437	10-92	493	1.128		56
1986-87	475	10-93	405	0.853		-70
1987-88	168	10-94	436	2.595		-32
1988-89	503	10-95	438	0.871		-65
1989-90	488	10-96	440	0.902		-48
1990-91	467	10-97	411	0.880		-56
1991-92	428	10-98	370	0.864		-58
1992-93	416	10-99	380	0.913		-36
1993-94	386	10-00	357	0.925		-29
1994-95	377	10-01	328	0.870		-49
1995-96	379	10-02		0.903	342	-37
1996-97	403	10-03		0.903	364	-39
1997-98	414	10-04		0.903	374	-40
1998-99	376	10-05		0.903	339	-37
1999-00	391	10-06		0.903	353	-38
2000-01 est	394	10-07		0.903	355	-38
2001-02 est	394	10-08		0.903	355	-38
2002-03 est	394	10-09		0.903	355	-38
2003-04 est	394	10-10		0.903	355	-38
2004-05 est	394	10-11		0.903	355	-38
10 yr Total (86-95)	4,445	10 yr Total (92-01)	4,058	0.913	Last 10 yr	-38.7
10 yr Avg (86-95)	445	10 yr Avg (92-01)	406	0.914	Last 5 yr	-45.6
5 yr Avg (96-00)	393				Last 3 yr	-38.0
5 yr Max (96-00)	414				Proj. 1st	-38.2
5 yr Min (96-00)	376					
3 yr Avg (98-00)	394					
First Grade to Births						
Correlation Coefficients						
10 YEAR	0.695					
9 YEAR	0.95					
8 YEAR	0.962					
7 YEAR	0.974					
6 YEAR	0.968					
5 YEAR	0.94					
4 YEAR	0.848					
3 YEAR	0.933					
		5 yr Weighted		0.893		

Ratios	1st/Birth
Avg last 10	0.914
Avg last 9	0.890
Avg last 8	0.895
Avg last 7	0.889
Avg last 6	0.892
Avg last 5	0.891
Avg last 4	0.893
Avg last 3	0.903
av 1st 5	0.937

Notes: Three year average of births (1997-98 and 1999-00) used to project births from 200-01 through 2004-05. The first grade from 2002-03 through 2011-12 was projected using the 3 year ratio of first grade to births.

2001-02 Recent Migration Model Enrollment Projections for Rochester, NH. Completed April, 2002
 Data produced by Planning Decisions Inc.