

# APPENDIX: STANDARD ERROR TABLES

TABLE A-1. Standard errors for interstate migration between various life events among 1997–2000 S&E bachelor's and master's degree recipients, by demographic characteristics

Demographic characteristic	Bachelor's degree recipients				Master's degree recipients				
	Number	Percent that migrated			Number	Percent that migrated			
		Between bachelor's degree receipt and reference week employment	Between high school graduation and bachelor's degree receipt	Between birth and high school graduation		Between master's degree receipt and reference week employment	Between bachelor's degree receipt and master's degree receipt	Between high school graduation and bachelor's degree receipt	Between birth and high school graduation
Total	17,492	0.71	0.75	0.62	5,543	0.98	1.11	0.75	0.76
Sex									
Male	9,892	0.80	0.77	0.79	2,508	1.02	1.22	1.11	1.16
Female	14,120	0.97	1.01	0.83	4,774	1.78	1.76	1.38	1.23
Race/ethnicity									
White, non-Hispanic	17,767	0.83	0.92	0.70	4,862	1.10	1.24	0.93	0.93
Black, non-Hispanic	3,904	1.70	2.06	1.67	1,023	3.60	3.24	2.42	2.60
Hispanic	2,782	1.35	1.50	1.88	637	3.05	2.92	2.67	2.75
Asian/Pacific Islander	3,958	2.19	1.70	1.83	1,078	3.48	3.58	4.09	3.99
American Indian/ Alaskan Native	1,154	5.60	4.87	4.50	S	S	S	S	S
Marital status									
Never married	14,445	0.76	0.88	0.68	2,856	1.42	1.51	1.02	1.26
Married	8,161	1.16	1.19	1.14	3,546	1.36	1.26	1.20	1.31
Widowed/divorced/ separated	3,028	2.60	3.59	2.97	1,548	3.92	4.45	4.35	3.26

S = estimates suppressed for reasons of data reliability because the unweighted sample size of the row total is less than 30.

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 1999 and 2001.

TABLE A-2. Standard errors for interstate migration between various life events among 1997–2000 S&E bachelor’s and master’s degree recipients, by educational characteristics

Educational characteristic	Bachelor’s degree recipients				Master’s degree recipients				
	Number	Percent that migrated			Number	Percent that migrated			
		Between bachelor’s degree receipt and reference week employment	Between high school graduation and bachelor’s degree receipt	Between birth and high school graduation		Between master’s degree receipt and reference week employment	Between bachelor’s degree receipt and master’s degree receipt	Between high school graduation and bachelor’s degree receipt	Between birth and high school graduation
Total	17,492	0.71	0.75	0.62	5,543	0.98	1.11	0.75	0.76
Enrollment status									
Full-time student	6,438	1.58	1.33	1.33	1,600	2.65	2.49	2.40	2.51
Part-time student	4,442	1.64	2.07	1.94	908	2.93	4.03	3.73	4.43
Not a student	14,893	0.79	0.81	0.67	4,753	1.18	1.30	0.85	0.91
Undergraduate grade point average									
3.25 or higher	12,774	1.13	1.09	0.83	3,578	1.15	1.38	1.07	0.96
2.75 to 3.24	8,859	0.85	0.87	0.94	2,720	1.98	1.65	1.54	1.42
Below 2.75	4,205	1.59	1.44	1.56	842	3.09	3.52	3.38	2.98
Parents’ education									
Some college or less	10,347	0.84	0.97	0.91	3,749	1.72	1.68	1.10	1.16
Bachelor’s degree or higher	12,977	0.87	0.85	0.80	3,376	1.11	1.31	1.07	1.10
Major field of degree									
Sciences	19,201	0.80	0.89	0.71	5,879	1.36	1.39	0.97	0.93
Computer and information sciences	4,381	2.45	1.85	2.27	1,167	3.46	3.66	2.94	3.49
Life and related sciences	7,014	1.77	1.60	1.37	1,319	3.00	2.63	2.46	2.55
Mathematical and related sciences	2,107	2.13	2.34	2.12	577	3.58	3.77	3.67	3.48
Physical and related sciences	1,820	1.46	1.44	1.59	543	2.31	2.57	2.87	2.43
Psychology	7,674	1.47	1.78	1.56	4,921	2.61	3.48	1.95	1.93
Social and related sciences	8,427	1.04	1.12	1.05	1,798	2.27	1.71	1.80	1.92
Engineering	4,689	1.25	1.09	0.88	1,736	1.43	1.42	1.59	1.47

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 1999 and 2001.

TABLE A-3. Standard errors for interstate migration between various life events among 1997–2000 S&E bachelor's and master's degree recipients, by employment characteristics

Educational characteristic	Bachelor's degree recipients					Master's degree recipients				
	Number	Percent that migrated			Number	Percent that migrated				
		Between bachelor's degree receipt and reference week employment	Between high school graduation and bachelor's degree receipt	Between birth and high school graduation		Between master's degree receipt and reference week employment	Between bachelor's degree receipt and master's degree receipt	Between high school graduation and bachelor's degree receipt	Between birth and high school graduation	
Total	17,492	0.71	0.75	0.62	5,543	0.98	1.11	0.75	0.76	
Occupation										
Scientists	6,356	1.54	1.34	1.19	2,601	1.40	1.59	1.31	1.23	
Computer and information scientists	4,050	1.98	1.69	2.02	1,361	2.63	3.04	2.50	2.47	
Life and related scientists	2,722	3.02	2.91	2.60	898	3.81	3.81	3.56	3.93	
Mathematical and related scientists	816	6.84	5.66	6.36	447	5.27	5.65	4.77	5.26	
Physical scientists	1,551	2.14	2.16	2.57	591	3.00	3.34	3.06	3.30	
Psychologists	1,987	5.83	4.25	4.12	2,044	3.16	3.87	2.77	2.89	
Social and related scientists	2,099	4.14	5.19	5.01	888	3.48	3.58	3.81	3.79	
Engineers	4,147	1.39	1.15	1.03	1,548	1.63	1.74	1.99	1.75	
Other	15,540	0.81	0.91	0.81	4,354	1.90	2.02	1.60	1.44	
Employment status										
Full-time	15,664	0.72	0.79	0.65	5,246	1.09	1.19	0.77	0.80	
Part-time	5,933	1.63	1.42	1.37	1,419	2.49	2.90	3.17	2.87	
Employment sector										
Private industry and business	12,672	0.82	0.80	0.72	3,636	1.25	1.49	1.12	1.09	
Educational institution	6,814	1.21	1.15	1.06	2,497	1.71	1.94	1.75	1.56	
Government	5,551	1.43	1.73	1.69	1,679	2.26	2.39	2.35	2.45	

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 1999 and 2001.

TABLE A-4. Standard errors for residential stability of 1997–2000 S&E bachelor's and master's degree recipients, by demographic characteristics

Demographic characteristic	Bachelor's degree receipt					Master's degree receipt					
	Number	Percent with reference week employment in the same state as			Percent with all 4 life events in the same state	Percent with reference week employment in the same state as				Percent with all 5 life events in the same state	
		Bachelor's degree recipient	High school graduation	Birth		Master's degree recipients	Bachelor's degree receipt	High school graduation	Birth		
Total	17,492	0.71	0.65	0.63	0.65	5,543	0.98	1.05	1.12	1.01	0.88
Sex											
Male	9,892	0.80	0.74	0.82	0.78	2,508	1.02	1.24	1.26	1.15	1.02
Female	14,120	0.97	0.85	0.81	0.90	4,774	1.78	1.69	1.81	1.64	1.56
Race/ethnicity											
White, non-Hispanic	17,767	0.83	0.80	0.77	0.81	4,862	1.10	1.25	1.31	1.19	1.06
Black, non-Hispanic	3,904	1.70	1.35	1.59	1.53	1,023	3.60	2.99	3.14	3.08	2.65
Hispanic	2,782	1.35	1.47	1.86	1.93	637	3.05	2.99	3.14	2.61	2.45
Asian/Pacific Islander	3,958	2.19	1.81	1.75	1.55	1,078	3.48	3.64	4.06	3.34	3.26
American Indian/ Alaskan Native	1,154	5.60	5.80	5.13	5.68	S	S	S	S	S	S
Marital status											
Never married	14,445	0.76	0.77	0.71	0.75	2,856	1.42	1.28	1.64	1.50	1.21
Married	8,161	1.16	1.09	1.16	1.19	3,546	1.36	1.33	1.41	1.21	1.10
Widowed/divorced/ separated	3,028	2.60	3.71	3.19	3.16	1,548	3.92	3.53	4.16	4.48	4.50

S = estimates suppressed for reasons of data reliability because the unweighted sample size of the row total is less than 30.

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 1999 and 2001.

TABLE A-5. Standard errors for residential stability of 1997–2000 S&E bachelor's and master's degree recipients, by educational characteristics

Educational characteristic	Bachelor's degree receipt					Master's degree receipt					
	Number	Percent with reference week employment in the same state as			Percent with all 4 life events in the same state	Number	Percent with reference week employment in the same state as				Percent with all 5 life events in the same state
		Bachelor's degree recipient	High school graduation	Birth			Master's degree recipients	Bachelor's degree receipt	High school graduation	Birth	
Total	17,492	0.71	0.65	0.63	0.65	5,543	0.98	1.05	1.12	1.01	0.88
Enrollment status											
Full-time student	6,438	1.58	1.60	1.45	1.42	1,600	2.65	2.42	2.24	2.33	2.11
Part-time student	4,442	1.64	2.04	2.13	2.21	908	2.93	4.03	4.18	3.99	3.63
Not a student	14,893	0.79	0.67	0.70	0.70	4,753	1.18	1.19	1.30	1.13	0.96
Undergraduate grade point average											
3.25 or higher	12,774	1.13	0.95	0.89	0.94	3,578	1.15	1.25	1.25	1.15	1.13
2.75 to 3.24	8,859	0.85	0.87	0.94	0.96	2,720	1.98	1.81	1.90	1.80	1.70
Below 2.75	4,205	1.59	1.67	1.83	1.73	842	3.09	3.50	3.27	3.40	3.09
Parents' education											
Some college or less	10,347	0.84	0.91	0.96	1.01	3,749	1.72	1.64	1.76	1.71	1.38
Bachelor's or higher	12,977	0.87	0.78	0.71	0.70	3,376	1.11	1.21	1.21	1.03	0.97
Major field of degree											
Science	19,201	0.80	0.71	0.70	0.74	5,879	1.36	1.30	1.48	1.30	1.16
Computer and information sciences	4,381	2.45	1.75	2.18	2.10	1,167	3.46	3.64	3.19	3.60	3.03
Life and related sciences	7,014	1.77	1.42	1.54	1.43	1,319	3.00	2.57	2.65	2.58	2.14
Mathematical and related sciences	2,107	2.13	2.32	2.40	2.27	577	3.58	4.20	4.05	3.21	3.01
Physical and related sciences	1,820	1.46	1.35	1.59	1.42	543	2.31	2.54	2.81	2.55	2.05
Psychology	7,674	1.47	1.69	1.78	1.79	4,921	2.61	2.48	3.06	2.33	2.42
Social and related sciences	8,427	1.04	1.21	1.03	1.05	1,798	2.27	1.86	1.75	1.96	1.55
Engineering	4,689	1.25	1.42	1.16	1.14	1,736	1.43	1.52	1.78	1.44	1.26

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 1999 and 2001.

TABLE A-6. Standard errors for residential stability of 1997–2000 S&E bachelor's and master's degree recipients, by employment characteristics

Employment characteristic	Bachelor's degree receipt					Master's degree receipt					
	Number	Percent with reference week employment in the same state as			Percent with all 4 life events in the same state	Percent with reference week employment in the same state as					Percent with all 5 life events in the same state
		Bachelor's degree recipient	High school graduation	Birth		Master's degree recipient	Bachelor's degree receipt	High school graduation	Birth		
Total	17,492	0.71	0.65	0.63	0.65	5,543	0.98	1.05	1.12	1.01	0.88
Occupation											
Scientists	6,356	1.54	1.31	1.38	1.27	2,601	1.40	1.43	1.49	1.37	1.27
Computer and information scientists	4,050	1.98	1.85	1.91	1.74	1,361	2.63	2.91	2.83	2.81	2.38
Life and related scientists	2,722	3.02	2.77	2.85	2.72	898	3.81	3.82	3.73	3.32	3.09
Mathematical and related scientists	816	6.84	6.42	5.98	5.96	447	5.27	5.77	5.49	3.94	3.73
Physical scientists	1,551	2.14	2.07	2.19	1.93	591	3.00	2.91	3.02	2.66	2.09
Psychologists	1,987	5.83	4.93	4.07	4.19	2,044	3.16	3.83	4.30	3.59	3.12
Social and related scientists	2,099	4.14	5.22	4.53	4.44	888	3.48	3.32	3.89	3.45	2.71
Engineers	4,147	1.39	1.46	1.25	1.29	1,548	1.63	1.90	1.92	1.64	1.49
Other	15,540	0.81	0.77	0.76	0.80	4,354	1.90	1.91	1.87	1.74	1.66
Employment status											
Full-time	15,664	0.72	0.70	0.70	0.71	5,246	1.09	1.15	1.18	1.10	0.96
Part-time	5,993	1.63	1.63	1.44	1.54	1,419	2.49	2.80	2.93	2.42	2.21
Employment sector											
Private industry and business	12,672	0.82	0.80	0.75	0.73	3,636	1.25	1.38	1.54	1.44	1.12
Educational institution	6,814	1.21	1.20	1.14	1.14	2,497	1.71	1.86	1.91	1.77	1.74
Government	5,551	1.43	1.71	1.81	1.72	1,679	2.26	2.75	2.74	2.34	2.12
Geographic region of job											
Northeast	8,266	1.34	1.39	1.37	1.50	1,974	2.27	2.18	1.92	1.83	1.83
Midwest	9,800	1.56	1.37	1.50	1.57	4,503	3.26	2.79	3.65	2.77	2.48
South	13,918	1.25	1.11	1.02	1.01	3,100	1.66	1.56	1.41	1.46	1.16
West	11,541	1.55	1.46	1.13	1.33	2,675	2.07	2.24	2.21	1.73	1.69
Puerto Rico	638	1.78	0.85	1.28	2.22	201	7.60	8.07	4.64	6.20	7.52

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 1999 and 2001.