

Table A1. Standard errors for table 1: Percentage of public school students in biology classes taught by secondary-level teachers, by percentage of students in the school qualifying for free or reduced-price lunch, and by subject field of teachers' postsecondary majors, minors, and certification: Academic year 1999-2000

Teacher's subject field of major, minor, or certification	Total	Percent free/reduced-price lunch			
		<10%	10-25%	25-50%	>50%
Major or minor in biology	2.28	4.03	3.90	3.52	6.62
Major in biology	2.32	4.16	3.99	3.19	6.69
Minor in biology	0.78	1.05	1.46	2.00	1.89
No major or minor in biology	2.28	4.03	3.90	3.52	6.62
Major or minor in:					
Other natural science	3.77	7.04	6.86	7.66	6.70
Elementary education	4.31	3.18	5.64	5.84	10.63
English	1.21	4.26	0.21	1.75	1.50
Mathematics	2.82	0.79	9.04	1.36	1.79
Physical education	2.11	3.36	5.12	4.70	3.40
Secondary education	2.45	6.30	2.98	5.41	3.24
Social science	1.44	3.55	3.35	2.13	4.17
Special education	1.16	1.99	1.79	2.70	1.79
Other subject	1.46	3.91	2.57	2.44	4.53
No major or minor	2.77	2.85	†	7.52	0.22
Certification in biology	2.04	3.44	3.52	4.50	6.07
No certification in biology	2.04	3.44	3.52	4.50	6.07
Certification in:					
Other natural science	5.71	7.29	9.21	10.18	12.73
Elementary education	3.59	17.62	0.24	1.32	0.97
English	1.23	5.37	0.65	2.34	0.89
Mathematics	4.29	1.79	14.02	1.91	2.95
Physical education	3.95	1.88	1.75	11.39	1.70
Social science	1.00	4.47	2.02	1.19	1.91
Special education	3.07	3.08	3.53	3.27	9.00
Other subject	1.05	2.09	2.27	0.37	3.18
No certification	4.10	11.44	7.82	8.37	10.38

† Not applicable.

NOTE: Secondary-level teachers include teachers who taught students in grades 5-12; teachers who taught in grades 5-9 who identified themselves as elementary or special education teachers were not included.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), 1999-2000 "Public School Questionnaire," "Charter School Questionnaire," "Public Teacher Questionnaire," and "Charter Teacher Questionnaire."

Table A2. Standard errors for table 2: Percentage of public school students in biology classes taught by secondary-level teachers, by percentage of students in the school qualifying for free or reduced-price lunch, and by combinations of teachers' postsecondary majors/minors and certification subject fields: Academic year 1999-2000

Teacher's combination of major/minor and certification	Total	Percent free/reduced-price lunch			
		<10%	10-25%	25-50%	>50%
Certification in biology	2.04	3.44	3.52	4.50	6.07
And major or minor in biology	2.23	3.90	3.76	3.39	6.29
Major in biology	2.23	4.04	3.84	3.23	6.09
Minor in biology	0.69	1.06	1.47	1.27	1.89
And no major or minor in biology	1.48	2.87	2.96	3.83	3.93
Major or minor in:					
Other natural science	3.85	7.55	8.25	8.68	10.45
Elementary education	3.99	2.72	7.92	6.13	12.11
English	1.46	4.55	0.20	1.00	1.68
Mathematics	1.08	0.26	4.01	0.82	2.23
Physical education	3.00	4.87	7.00	7.00	6.16
Secondary education	4.02	7.65	3.10	9.03	6.12
Social science	2.24	4.11	5.33	3.49	5.34
Special education	1.37	2.13	1.87	3.69	0.19
Other subject	1.81	4.08	3.29	3.16	1.30
No major or minor	1.15	3.86	†	0.36	†
No certification in biology	2.04	3.44	3.52	4.50	6.07
And major or minor in biology	1.12	1.79	1.55	2.06	4.67
Major in biology	1.08	1.75	1.55	1.43	4.63
Minor in biology	0.41	0.37	0.15	1.50	0.49
And no major or minor in biology	1.93	3.38	3.48	4.11	5.56
Major or minor in:					
Other natural science	7.63	18.12	9.52	12.04	4.85
Elementary education	8.00	10.60	5.72	10.84	17.50
English	1.92	9.65	0.51	3.93	2.77
Mathematics	6.48	3.40	17.38	2.91	3.09
Physical education	1.91	3.45	8.35	2.89	4.36
Secondary education	1.95	6.19	6.16	2.58	3.27
Social science	2.00	8.54	1.75	3.29	7.38
Special education	2.35	6.91	4.10	4.53	4.29
Other subject	3.41	11.34	4.84	4.42	9.63
No major or minor	6.33	†	†	16.07	0.54

† Not applicable.

NOTE: Secondary-level teachers include teachers who taught students in grades 5-12; teachers who taught in grades 5-9 who identified themselves as elementary or special education teachers were not included.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), 1999-2000 "Public School Questionnaire," "Charter School Questionnaire," "Public Teacher Questionnaire," and "Charter Teacher Questionnaire."