

Table 20. Black Federal scientists and engineers, by primary work activity and age: 1998-2002

Primary work activity and age	1998	1999	2000	2001	2002
All activities	10,283	10,256	10,776	11,440	12,753
Under 35 years	2,183	1,902	1,942	2,061	2,388
35 - 39 years	2,359	2,300	2,240	2,143	2,142
40 - 44 years	1,930	2,051	2,264	2,484	2,757
45 - 49 years	1,528	1,567	1,672	1,864	2,171
50 - 54 years	1,184	1,266	1,425	1,526	1,723
55 - 59 years	696	736	755	840	992
60 - 64 years	300	321	356	380	417
65 years and over	103	113	122	142	162
Clinical practice, counseling, and ancillary medical services	377	411	441	422	417
Under 35 years	46	68	79	73	70
35 - 39 years	55	54	54	43	34
40 - 44 years	61	69	62	67	62
45 - 49 years	85	75	83	80	85
50 - 54 years	71	88	97	89	80
55 - 59 years	36	34	46	47	62
60 - 64 years	15	15	14	17	17
65 years and over	8	8	6	6	7
Construction	182	168	167	163	165
Under 35 years	40	32	25	29	34
35 - 39 years	47	38	38	29	23
40 - 44 years	37	43	40	40	36
45 - 49 years	15	15	18	25	31
50 - 54 years	21	20	21	15	17
55 - 59 years	12	13	16	10	9
60 - 64 years	7	4	5	11	11
65 years and over	3	3	4	4	4
Data collection, processing, and analysis	912	813	828	904	949
Under 35 years	260	177	187	218	237
35 - 39 years	151	159	151	154	147
40 - 44 years	182	158	157	162	161
45 - 49 years	138	132	131	150	163
50 - 54 years	110	112	124	128	132
55 - 59 years	49	47	49	55	74
60 - 64 years	17	22	20	29	26
65 years and over	5	6	9	8	9

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Primary work activity and age	1998	1999	2000	2001	2002
Design	441	425	408	411	426
Under 35 years	97	85	81	72	81
35 - 39 years	116	104	93	90	81
40 - 44 years	91	93	87	98	104
45 - 49 years	50	51	55	61	64
50 - 54 years	39	43	44	41	37
55 - 59 years	32	34	33	33	38
60 - 64 years	13	12	13	14	16
65 years and over	3	3	2	2	5
Development	1,187	1,155	1,182	1,221	1,252
Under 35 years	273	234	215	238	256
35 - 39 years	358	336	309	264	224
40 - 44 years	248	254	297	323	356
45 - 49 years	115	133	150	170	186
50 - 54 years	95	89	101	104	113
55 - 59 years	67	70	64	75	71
60 - 64 years	23	30	34	39	36
65 years and over	8	9	12	8	9
Installation, operations, and maintenance	396	378	396	419	431
Under 35 years	95	78	73	81	95
35 - 39 years	136	114	97	91	79
40 - 44 years	74	94	119	128	127
45 - 49 years	38	38	47	55	63
50 - 54 years	23	26	30	30	31
55 - 59 years	25	22	22	22	20
60 - 64 years	4	5	7	11	14
65 years and over	1	1	1	1	2
Management	427	439	444	465	454
Under 35 years	43	34	30	34	25
35 - 39 years	96	100	72	61	51
40 - 44 years	69	89	105	120	121
45 - 49 years	78	68	79	90	85
50 - 54 years	55	62	72	69	80
55 - 59 years	57	56	52	61	53
60 - 64 years	24	25	31	27	31
65 years and over	5	5	3	3	8

Table 20. Black Federal scientists and engineers, by primary work activity and age: 1998-2002

Primary work activity and age	1998	1999	2000	2001	2002
Natural resources operations	451	450	448	463	459
Under 35 years	97	79	77	93	98
35 - 39 years	75	79	70	57	53
40 - 44 years	87	90	88	84	79
45 - 49 years	93	83	78	85	79
50 - 54 years	67	82	93	93	95
55 - 59 years	25	30	29	35	43
60 - 64 years	6	6	12	13	8
65 years and over	1	1	1	3	4
Planning	223	211	206	193	193
Under 35 years	34	36	30	23	18
35 - 39 years	44	42	45	36	33
40 - 44 years	41	36	36	43	42
45 - 49 years	31	35	33	36	38
50 - 54 years	41	28	31	27	29
55 - 59 years	19	22	18	14	19
60 - 64 years	10	9	11	12	10
65 years and over	3	3	2	2	4
Production	184	171	161	148	151
Under 35 years	20	15	12	20	19
35 - 39 years	67	54	42	29	22
40 - 44 years	37	44	51	45	46
45 - 49 years	26	24	20	23	25
50 - 54 years	16	15	16	12	18
55 - 59 years	11	12	13	14	17
60 - 64 years	4	4	3	1	2
65 years and over	3	3	4	4	2
Regulatory enforcement and licensing	320	308	301	306	347
Under 35 years	75	73	59	55	78
35 - 39 years	70	64	63	57	61
40 - 44 years	58	57	58	58	65
45 - 49 years	36	37	46	61	53
50 - 54 years	41	35	28	27	34
55 - 59 years	25	30	32	31	32
60 - 64 years	10	6	10	12	18
65 years and over	5	6	5	5	6

Table 20. Black Federal scientists and engineers, by primary work activity and age: 1998-2002

Primary work activity and age	1998	1999	2000	2001	2002
Research	632	660	711	709	713
Under 35 years	150	143	155	160	146
35 - 39 years	132	132	141	122	125
40 - 44 years	95	115	128	129	128
45 - 49 years	87	85	91	94	102
50 - 54 years	75	81	90	85	92
55 - 59 years	57	61	58	69	67
60 - 64 years	21	24	31	29	34
65 years and over	15	19	17	21	19
Research contract and grant administration	46	45	50	57	58
Under 35 years	3	4	5	7	8
35 - 39 years	10	10	15	9	8
40 - 44 years	7	4	6	13	16
45 - 49 years	12	12	11	9	6
50 - 54 years	3	5	6	9	10
55 - 59 years	3	4	3	6	5
60 - 64 years	5	4	4	3	3
65 years and over	3	2	0	1	2
Scientific and technical information	129	132	159	173	174
Under 35 years	42	42	38	46	44
35 - 39 years	24	25	30	21	24
40 - 44 years	27	26	35	37	33
45 - 49 years	19	14	24	30	31
50 - 54 years	9	15	16	21	25
55 - 59 years	6	6	11	12	9
60 - 64 years	1	2	2	3	4
65 years and over	1	2	3	3	4
Standards and specifications	69	73	84	67	75
Under 35 years	14	10	15	7	12
35 - 39 years	23	26	21	18	15
40 - 44 years	6	7	15	16	17
45 - 49 years	11	13	14	6	10
50 - 54 years	6	5	7	9	9
55 - 59 years	4	9	9	8	7
60 - 64 years	4	3	1	1	3
65 years and over	1	0	2	2	2

Table 20. Black Federal scientists and engineers, by primary work activity and age: 1998-2002

Primary work activity and age	1998	1999	2000	2001	2002
Teaching and training	14	17	18	17	18
Under 35 years	1	1	1	0	0
35 - 39 years	1	1	2	1	2
40 - 44 years	1	2	3	3	4
45 - 49 years	4	5	4	5	5
50 - 54 years	2	3	3	2	3
55 - 59 years	1	1	1	2	2
60 - 64 years	3	3	2	2	1
65 years and over	1	1	2	2	1
Technical assistance and consulting	354	345	358	368	363
Under 35 years	49	49	49	36	35
35 - 39 years	57	49	48	50	49
40 - 44 years	55	54	64	70	63
45 - 49 years	61	56	46	45	46
50 - 54 years	66	62	79	85	73
55 - 59 years	40	40	38	43	54
60 - 64 years	19	25	20	22	29
65 years and over	7	10	14	17	14
Test and evaluation	425	403	384	385	450
Under 35 years	116	97	74	74	117
35 - 39 years	118	109	103	87	81
40 - 44 years	72	74	84	86	92
45 - 49 years	44	51	46	64	74
50 - 54 years	26	27	33	32	38
55 - 59 years	23	21	20	20	27
60 - 64 years	23	17	16	13	13
65 years and over	3	7	8	9	8
Other, not elsewhere classified	834	816	1,043	1,182	1,326
Under 35 years	247	204	319	354	396
35 - 39 years	189	194	233	251	243
40 - 44 years	147	156	184	225	256
45 - 49 years	113	113	147	172	207
50 - 54 years	79	81	81	94	118
55 - 59 years	35	42	45	53	64
60 - 64 years	19	21	28	22	28
65 years and over	5	5	6	11	14

Table 20. Black Federal scientists and engineers, by primary work activity and age: 1998-2002

Primary work activity and age	1998	1999	2000	2001	2002
Activity unknown	2,680	2,836	2,987	3,367	4,332
Under 35 years	481	441	418	441	619
35 - 39 years	590	610	613	673	787
40 - 44 years	535	586	645	737	949
45 - 49 years	472	527	549	603	818
50 - 54 years	339	387	453	554	689
55 - 59 years	169	182	196	230	319
60 - 64 years	72	84	92	99	113
65 years and over	22	19	21	30	38

¹ Age was not reported for one individual in 2002.

SOURCE: National Science Foundation tabulations from Office of Personnel Management's Central Personnel Data Files.