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RESEARCH MEMORANDUM

SCREEN TABLES FOR NON-PRIOR-SERVICE ACCESSIONS FOR FY 1978 – 1984

Aline Quester

A Division of

CNA

Hudson Institute

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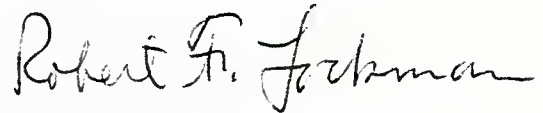
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1. Enclosure (1) is forwarded as a matter of possible interest.

2. This updated Research Memorandum reports on the construction and the findings from an interactive, historical data base for recruit survival probabilities. It supersedes Research Memorandum 86-45. This FY 1978-1984 base includes accession and monthly survival information for non-prior-service recruits by accession program, gender, shipment mode, educational category, mental group, and age. *u223,944*



ROBERT F. LOCKMAN
Director
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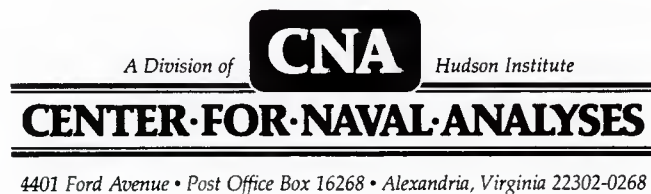
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**SCREEN TABLES FOR
NON-PRIOR-SERVICE
ACCESSIONS FOR
FY 1978 – 1984**

Aline Quester

Naval Planning, Manpower, and Logistics Division



ABSTRACT

This paper reports on the construction of an interactive, historical database for recruit survival probabilities. This FY 1978-1984 base includes accession and monthly survival information for non-prior-service recruits by accession program, gender, shipment mode, educational category, mental group, and age. An important finding is that for recruits who are otherwise identical, survival is worse if they are shipped within the month that they signed their initial contract.

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INTRODUCTION

With the advent of the All-Volunteer Force, new interest emerged in how the characteristics of recruits related to the probability that they would complete their enlistment contract. The Center for Naval Analyses (CNA) was a prime contributor to the Navy's understanding of how recruits' characteristics related to their first-term attrition. In work with the FY 1973 cohort and later with the FY 1977 cohort, CNA developed Success Chances for Recruits Entering the Navy (SCREEN) scores for the Navy (see [1-4]). These scores, defined by personal characteristics like gender, race, educational status, age, and mental group, provide the probability that a recruit will successfully complete (survive) a specified period of service. Currently the Navy uses SCREEN scores only for male recruits. Scores currently in use are shown in table 1; derived from experience with the FY 1977 recruit cohort, they provide the probability that males with the specified characteristics will complete 1 year of service. Male recruits with scores lower than 70 are not permitted to enlist.

This paper reports on an effort to update the survival analysis to more recent recruit cohorts. Tasked as part of the analysis to be performed in the Enlisted Manpower Personnel and Training Study, the Navy's interest in this work had several dimensions. First, verification was sought on the continuing validity of the SCREEN scores currently used by the Navy (estimated with the FY 1977 cohort).¹

Second, there was interest in whether survival probabilities were affected by the overall recruiting climate for the particular recruit cohort. The late 1970s, for example, were extremely difficult recruiting years. Low civilian unemployment rates and poor (or non-existent) military pay increases combined to create an environment in which military service was not popular and overall accession goals were not always met. 1982 and 1983 stand in sharp contrast: substantial military pay increases and high civilian unemployment rates created an environment in which the Navy met its accession goals and improved the overall quality of its recruits.

The final interest was more operationally motivated. Could a SCREEN-type database be created that would be easy to access, up-to-date, and responsive to user queries? Here the primary interest was for quick-response capability. Such a database was created for FY 1978 to FY 1984 non-prior-service recruits. After an explanation of that database, the paper will proceed to an analysis of recruit attrition.

1. The survival probabilities for the FY 1977 cohort were estimated by Cox regression techniques, as described in [5]. These techniques are used to construct synthetic cohorts.

TABLE 1

SUCCESS CHANCES FOR RECRUITS ENTERING THE NAVY (SCREEN)

<u>AFQT^a score</u>	<u>Age</u>	<u>Education level</u>		
		<u>High school diploma graduate^b</u>	<u>GED/CPT home study course^b</u>	<u>Neither</u>
95-100	17-19	93	85	77
	20+	90	82	74
67-84	17-19	91	83	76
	20+	88	79	71
38-66	17-19	88	80	73
	20+	84	75	67
19-37	17-19	83	75	68
	20+	78	70	62
17-18	17-19	75	68	62
	20+	69	61	56

73 Minimum SCREEN
67 eligibility

a. Armed Forces Qualification Test.

b. High school diploma graduates and high school non-diploma graduates (GED/CPT) are defined in paragraph 1-I-7a of the Navy Recruiting Manual.

SOURCE: Navy Recruiting Manual.

THE SCREEN DATABASE

Earlier work at CNA had built a non-prior-service accession data set for all recruits in the FY 1978-FY 1984 time period [6]. Composed of 546,569 observations, this file contained a recruit's history from the date he signed his initial enlistment contract¹ to the date he left the Navy (or June 1985 if he was still in the Navy in June 1985).² The problem here was how to organize these data so that survival probabilities for the different subgroups of recruits could be quickly tabulated and displayed in a clear manner. Because previous work had generally displayed survival probabilities by educational status, mental group, and age category, it was decided to continue this general format. Tables would be generated which organized survival probabilities by these three characteristics.

The next set of decisions involved what characteristics should be provided to the user as possible selections for the SCREEN table. Fiscal year of recruit cohort (or a combination of years), program enlisted for (or a combination of programs), gender (or both genders), and shipment mode (shipped within month, shipped in future month, or both) were selected as the criteria that would be available for user specification. Additionally, of course, the user specifies the number of months for which he desires the survival probability. An example of an iterative session and the resultant SCREEN report follows.

Constructing a SCREEN Report

The SCREEN report program works as described below. User responses are indicated in boldfaced type.

ENTER SELECTION FOR REPORT

YEAR SELECTION

- 1 - Year 78
- 2 - Year 79
- 3 - Year 80
- 4 - Year 80
- 5 - Year 82
- 6 - Year 83
- 7 - Year 84

-
1. See [7] for a discussion of contract attrition, attrition that occurs prior to the recruit's actually accessing into the Navy.
 2. For about 4 percent of the "confirmed shipper" observations reported in Navy Recruiting Command's PRIDE system, there were no records on the Enlisted Master Record File. These observations were not included in the data set; they represent either very early attrition or errors in the "confirmed shipper" field in the PRIDE data.

How many years would you like to select? (9 for all): 2

Enter first year selection: 6

Enter second year selection: 7

SEX SELECTION

- 1 - Male
- 2 - Female
- 9 - Combine both

Enter the sex you want: 1

PROGRAM SELECTION¹

- 1 - Program 'SG'
- 2 - Program '5YO'
- 3 - Program 'NF' 'ATF' 'AEF'
- 4 - Program 'AM'
- 5 - Program 'ATP'
- 6 - Program 'SF' (GenDet after 6 months)
- 7 - Program 'SF' (rated before 6 months)
- 8 - All other programs

How many programs would you like to select? (9 for all): 1

(Responding with a 9 combines program categories 1 through 7 only. If the miscellaneous category 8 is to be included, the user responds with an 8 and then explicitly types in all eight program numbers.)

Enter first program selection: 1

DEP SELECTION (Delayed Entry Program)

1. 'SG' stands for School Guarantee (4-year obligor recruits promised A-school after recruit training); '5YO' stands for school-guaranteed ratings that have 5-year obligations; 'NF' (Nuclear Field), 'ATF' (Advanced Technical Field), and 'AEF' (Advanced Electronic Field) stand for school-guaranteed 6-year obligations; 'AM' stands for 3-year active obligors (2-years Selected Reserve) who are school guarantees; 'ATP' stands for 3-year General Detail (GenDet) obligors; 'SF' (GenDet after 6 months) stands for 4-year Seafarer obligors who are not promised A-school and did not get selected in recruit training for A-school; 'SF' (rated before 6 months) stands for 4-year Seafarer obligors who presumably got "picked up" in recruit training for A-school. Finally, the residual category (8) includes the other smaller programs.

- 1 - Direct Shipper (shipped within same month)
- 2 - DEP
- 3 - Combine both

Enter DEP selection: 2

SURVIVAL MONTHS SELECTION

Valid entries are from 0 to 09¹
Enter survival months: 6

Your report can be found at REPORT01.DAT²

Would you like to produce another report (Y or N)? N

Table 2 illustrates the results produced by these commands. The format provides both the number of accessions in the categories selected as well as the fraction remaining (survival percent). Overall, 91 percent of these recruits survived to 6 months. Survival probabilities by education range ranged from 84 percent for non-high school graduates to 86 percent for those with General Education Diplomas (GEDs) to 91 percent for High School Diploma Graduates (HSDGs). By mental group, the probabilities range from 92 percent (MG1) to 83 percent (MG4BC).³ Within the upper mental group (MG1-MG3U), survival probabilities differ by only one percent (92 percent for MG1, 91 percent for MG2, and 92 percent for MG3U).⁴ As has been observed in previous SCREEN tables, survival probabilities vary considerably by educational category with diploma graduates consistently exhibiting higher survival rates. Additionally, survival probabilities decline by age. As illustrated in the lower portion of the table, overall survival probabilities of 92 percent for 17- to 18-year-old recruits decline monotonically by age to 87 percent for recruits 23 years of age and older.

SURVIVAL PROBABILITIES

Differences by Recruit Cohort Year

Tables 3 through 9 show 9-month recruit survival probabilities for recruit cohorts in each of the 7 fiscal years. (Nine months was chosen

-
1. The software determines the maximum number of months for which survival can be calculated. In this example, for the FY 1984 cohort, the maximum survival months is 9.
 2. From 1 to 99 reports can be produced in one session.
 3. Mental Group 5 (13 recruits over a 2-year period) are not supposed to be able to enter the Navy.
 4. All MG categories are normed to the World War II reference population. Individuals in the 49th percentile are counted as MG3U.

TABLE 2

FY 1983-1984 SCHOOL GUARANTEE MALE RECRUIT COHORT SURVIVORS: 6 MONTHS
(ENTRY TYPE: DELAYED ENTRY PROGRAM)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	8	0.88	98	0.88	8	1.00	114	0.89
	19-20	6	1.00	187	0.93	11	0.73	204	0.92
	21-22	2	0.50	148	0.95	6	1.00	156	0.95
	23+	0	0.00	289	0.91	3	1.00	292	0.91
	TOTAL	16	0.88	722	0.92	28	0.89	766	0.92
MG2	17-18	608	0.85	4416	0.93	275	0.83	5299	0.92
	19-20	276	0.87	4410	0.92	342	0.84	5028	0.91
	21-22	62	0.81	1835	0.92	182	0.87	2079	0.91
	23+	58	0.83	2026	0.89	134	0.83	2218	0.88
	TOTAL	1004	0.85	12687	0.92	933	0.84	14624	0.91
MG3U	17-18	353	0.86	5310	0.93	137	0.85	5800	0.93
	19-20	127	0.89	4384	0.93	177	0.85	4688	0.93
	21-22	1	0.00	1214	0.91	80	0.88	1295	0.91
	23+	1	1.00	1103	0.85	52	0.83	1156	0.85
	TOTAL	482	0.86	12011	0.92	446	0.85	12939	0.92
MG3L	17-18	87	0.89	4494	0.92	67	0.81	4648	0.92
	19-20	37	0.76	3998	0.90	81	0.85	4116	0.90
	21-22	4	1.00	999	0.88	32	0.78	1035	0.87
	23+	0	0.00	817	0.85	26	0.81	843	0.85
	TOTAL	128	0.85	10308	0.91	206	0.82	10642	0.90
MG4A	17-18	1	1.00	553	0.88	2	1.00	556	0.88
	19-20	1	1.00	557	0.86	1	0.00	559	0.86
	21-22	0	0.00	135	0.83	1	1.00	136	0.83
	23+	0	0.00	103	0.85	2	0.50	105	0.85
	TOTAL	2	1.00	1348	0.86	6	0.67	1356	0.86
MG4BC	17-18	0	0.00	48	0.83	1	0.00	49	0.82
	19-20	0	0.00	69	0.84	0	0.00	69	0.84
	21-22	0	0.00	16	0.75	0	0.00	16	0.75
	23+	0	0.00	8	1.00	0	0.00	8	1.00
	TOTAL	0	0.00	141	0.84	1	0.00	142	0.83
MG5	17-18	0	0.00	5	1.00	0	0.00	5	1.00
	19-20	0	0.00	5	0.40	0	0.00	5	0.40
	21-22	0	0.00	1	1.00	0	0.00	1	1.00
	23+	0	0.00	1	1.00	1	0.00	2	0.50
	TOTAL	0	0.00	12	0.75	1	0.00	13	0.69
TOTAL	17-18	1057	0.86	14924	0.93	490	0.84	16471	0.92
	19-20	447	0.87	13610	0.92	612	0.84	14669	0.91
	21-22	69	0.80	4348	0.90	301	0.86	4718	0.90
	23+	59	0.83	4347	0.87	218	0.82	4624	0.87
	TOTAL	1632	0.86	37229	0.91	1621	0.84	40482	0.91

TABLE 3

FY1978 RECRUIT SURVIVORS: 9 MONTHS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	102	0.84	1056	0.95	94	0.89	1252	0.93
	19-20	20	0.90	902	0.96	56	0.91	978	0.95
	21-22	12	0.67	536	0.96	32	0.91	580	0.95
	23+	3	1.00	557	0.93	28	0.89	588	0.93
	TOTAL	137	0.84	3051	0.95	210	0.90	3398	0.94
MG2	17-18	2288	0.84	8921	0.94	1149	0.87	12358	0.92
	19-20	503	0.84	5580	0.93	515	0.86	6598	0.92
	21-22	118	0.83	2160	0.93	232	0.86	2510	0.92
	23+	82	0.83	1904	0.90	176	0.85	2162	0.90
	TOTAL	2991	0.84	18565	0.93	2072	0.87	23628	0.92
MG3U	17-18	3649	0.82	5607	0.93	970	0.84	10226	0.88
	19-20	746	0.77	3583	0.91	363	0.83	4692	0.88
	21-22	182	0.79	1079	0.90	133	0.83	1394	0.88
	23+	96	0.73	931	0.88	86	0.81	1113	0.86
	TOTAL	4673	0.81	11200	0.92	1552	0.84	17425	0.88
MG3L	17-18	2626	0.80	4515	0.90	509	0.87	7650	0.86
	19-20	560	0.83	2948	0.91	211	0.88	3719	0.89
	21-22	73	0.84	828	0.88	53	0.83	954	0.88
	23+	52	0.67	570	0.85	31	0.84	653	0.84
	TOTAL	3311	0.80	8861	0.90	804	0.87	12976	0.87
MG4A	17-18	1094	0.79	2573	0.90	227	0.80	3894	0.86
	19-20	288	0.80	1995	0.88	92	0.77	2375	0.86
	21-22	19	0.74	491	0.82	16	0.94	526	0.82
	23+	6	0.83	330	0.82	14	0.86	350	0.82
	TOTAL	1407	0.79	5389	0.88	349	0.80	7145	0.86
MG4BC	17-18	323	0.74	1875	0.83	60	0.85	2258	0.82
	19-20	119	0.73	1689	0.80	35	0.83	1843	0.80
	21-22	10	0.90	386	0.78	5	0.80	401	0.79
	23+	4	0.75	240	0.81	2	0.50	246	0.81
	TOTAL	456	0.74	4190	0.81	102	0.83	4748	0.81
MG5	17-18	356	0.87	695	0.95	45	0.93	1096	0.92
	19-20	119	0.91	537	0.94	31	0.90	687	0.94
	21-22	26	1.00	145	0.88	11	0.91	182	0.90
	23+	15	1.00	144	0.89	4	1.00	163	0.90
	TOTAL	516	0.89	1521	0.93	91	0.92	2128	0.92
TOTAL	17-18	10438	0.82	25242	0.92	3054	0.86	38734	0.89
	19-20	2355	0.81	17234	0.91	1303	0.85	20892	0.89
	21-22	440	0.82	5625	0.90	482	0.86	6547	0.89
	23+	258	0.77	4676	0.89	341	0.84	5275	0.88
	TOTAL	13491	0.82	52777	0.91	5180	0.86	71448	0.89

TABLE 4

FY79 RECRUIT SURVIVORS: 9 MONTHS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	82	0.77	914	0.94	77	0.82	1073	0.92
	19-20	24	0.83	851	0.93	75	0.80	950	0.91
	21-22	13	0.69	460	0.90	31	0.87	504	0.90
	23+	7	0.71	543	0.88	36	0.86	586	0.88
	TOTAL	126	0.77	2768	0.92	219	0.83	3113	0.91
MG2	17-18	2149	0.81	8504	0.93	1133	0.84	11786	0.90
	19-20	508	0.80	5341	0.91	548	0.81	6397	0.89
	21-22	140	0.76	2075	0.89	233	0.81	2448	0.87
	23+	94	0.79	1923	0.87	221	0.83	2238	0.86
	TOTAL	2891	0.80	17843	0.91	2135	0.83	22869	0.89
MG3U	17-18	3773	0.79	5809	0.92	1025	0.80	10607	0.86
	19-20	827	0.77	3798	0.88	472	0.85	5097	0.86
	21-22	214	0.81	1246	0.86	161	0.80	1621	0.85
	23+	115	0.63	1026	0.82	134	0.73	1275	0.79
	TOTAL	4929	0.78	11879	0.89	1792	0.81	18600	0.85
MG3L	17-18	2530	0.77	5062	0.90	599	0.81	8191	0.85
	19-20	670	0.78	3364	0.87	240	0.78	4274	0.85
	21-22	97	0.70	941	0.87	65	0.69	1103	0.84
	23+	53	0.72	740	0.79	72	0.74	865	0.78
	TOTAL	3350	0.77	10107	0.88	976	0.79	14433	0.85
MG4A	17-18	1071	0.74	3005	0.87	209	0.81	4285	0.83
	19-20	306	0.75	2356	0.84	86	0.80	2748	0.83
	21-22	11	0.82	624	0.81	19	0.89	654	0.81
	23+	14	0.79	452	0.75	14	0.64	480	0.75
	TOTAL	1402	0.74	6437	0.84	328	0.80	8167	0.82
MG4BC	17-18	277	0.75	2551	0.82	54	0.70	2882	0.81
	19-20	134	0.66	2476	0.74	25	0.72	2635	0.74
	21-22	12	0.67	650	0.71	10	0.90	672	0.71
	23+	3	0.67	353	0.72	3	0.33	359	0.72
	TOTAL	426	0.72	6030	0.77	92	0.72	6548	0.77
MG5	17-18	328	0.85	577	0.91	56	0.88	961	0.89
	19-20	99	0.86	473	0.88	24	0.88	596	0.88
	21-22	16	0.81	172	0.84	10	0.90	198	0.84
	23+	8	0.63	165	0.85	8	0.88	181	0.84
	TOTAL	451	0.85	1387	0.89	98	0.88	1936	0.88
TOTAL	17-18	10210	0.78	26422	0.90	3153	0.82	39785	0.86
	19-20	2568	0.78	18659	0.87	1470	0.82	22697	0.85
	21-22	503	0.77	6168	0.85	529	0.80	7200	0.84
	23+	294	0.71	5202	0.83	488	0.78	5984	0.82
	TOTAL	13575	0.78	56451	0.88	5640	0.81	75666	0.86

TABLE 5

FY 1980 RECRUIT SURVIVORS: 9 MONTHS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	80	0.89	944	0.94	102	0.83	1126	0.93
	19-20	25	0.92	1015	0.94	79	0.85	1119	0.93
	21-22	7	1.00	620	0.92	49	0.88	676	0.91
	23+	8	0.88	632	0.91	43	0.77	683	0.90
	TOTAL	120	0.90	3211	0.93	273	0.84	3604	0.92
MG2	17-18	2418	0.85	8726	0.94	1349	0.86	12493	0.91
	19-20	827	0.87	6520	0.92	801	0.86	8148	0.91
	21-22	263	0.85	2640	0.92	338	0.85	3241	0.90
	23+	168	0.84	2519	0.89	324	0.81	3011	0.88
	TOTAL	3676	0.85	20405	0.92	2812	0.85	26893	0.91
MG3U	17-18	4344	0.84	6104	0.93	1131	0.84	11579	0.88
	19-20	1305	0.83	4660	0.91	671	0.84	6636	0.89
	21-22	351	0.83	1484	0.90	252	0.82	2087	0.88
	23+	188	0.75	1309	0.85	207	0.80	1704	0.83
	TOTAL	6188	0.83	13557	0.91	2261	0.83	22006	0.88
MG3L	17-18	2309	0.82	5142	0.92	816	0.81	8267	0.88
	19-20	733	0.82	3873	0.90	446	0.82	5052	0.88
	21-22	122	0.84	1110	0.89	119	0.82	1351	0.88
	23+	94	0.70	890	0.85	109	0.74	1093	0.83
	TOTAL	3258	0.82	11015	0.90	1490	0.81	15763	0.88
MG4A	17-18	323	0.83	3006	0.90	373	0.84	3702	0.89
	19-20	166	0.85	2838	0.87	171	0.87	3175	0.87
	21-22	25	0.92	758	0.81	42	0.81	825	0.82
	23+	10	0.90	571	0.80	24	0.63	605	0.79
	TOTAL	524	0.84	7173	0.87	610	0.84	8307	0.87
MG4BC	17-18	82	0.82	2654	0.87	63	0.78	2799	0.86
	19-20	57	0.82	2690	0.78	36	0.86	2783	0.79
	21-22	6	0.83	679	0.76	6	1.00	691	0.76
	23+	2	1.00	415	0.68	7	0.86	424	0.69
	TOTAL	147	0.82	6438	0.81	112	0.82	6697	0.81
MG5	17-18	138	0.74	475	0.87	37	0.76	650	0.84
	19-20	57	0.89	363	0.86	36	0.83	456	0.86
	21-22	16	0.50	149	0.87	8	0.88	173	0.84
	23+	13	0.85	139	0.73	6	0.50	158	0.73
	TOTAL	224	0.77	1126	0.85	87	0.78	1437	0.83
TOTAL	17-18	9694	0.83	27051	0.92	3871	0.84	40616	0.89
	19-20	3170	0.84	21959	0.89	2240	0.84	27369	0.88
	21-22	790	0.84	7440	0.88	814	0.84	9044	0.87
	23+	483	0.78	6475	0.85	720	0.79	7678	0.84
	TOTAL	14137	0.83	62925	0.90	7645	0.84	84707	0.88

TABLE 6

FY 1981 RECRUIT SURVIVORS: 9 MONTHS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	43	0.86	691	0.94	54	0.91	788	0.94
	19-20	22	0.77	760	0.92	44	0.82	826	0.91
	21-22	5	0.60	529	0.95	32	0.84	566	0.94
	23+	5	0.80	675	0.92	30	0.90	710	0.92
	TOTAL	75	0.81	2655	0.93	160	0.87	2890	0.93
MG2	17-18	2330	0.87	9646	0.94	1230	0.86	13206	0.92
	19-20	819	0.86	7584	0.93	889	0.84	9292	0.91
	21-22	197	0.84	3126	0.91	407	0.82	3730	0.90
	23+	202	0.82	3557	0.89	381	0.81	4140	0.88
	TOTAL	3548	0.86	23913	0.92	2907	0.84	30368	0.91
MG3U	17-18	3400	0.84	5633	0.93	1118	0.83	10151	0.89
	19-20	835	0.86	4465	0.91	928	0.82	6228	0.89
	21-22	40	0.78	1487	0.89	519	0.84	2046	0.88
	23+	26	0.85	1488	0.86	382	0.79	1896	0.85
	TOTAL	4301	0.85	13073	0.91	2947	0.82	20321	0.88
MG3L	17-18	1685	0.82	5528	0.92	1646	0.82	8859	0.88
	19-20	432	0.83	4392	0.89	992	0.82	5816	0.87
	21-22	36	0.81	1385	0.89	376	0.76	1797	0.86
	23+	16	0.69	1175	0.85	252	0.75	1443	0.83
	TOTAL	2169	0.82	12480	0.90	3266	0.81	17915	0.87
MG4A	17-18	285	0.84	2773	0.91	81	0.86	3139	0.90
	19-20	122	0.83	2646	0.88	80	0.88	2848	0.88
	21-22	21	0.81	752	0.85	16	0.88	789	0.85
	23+	9	0.89	562	0.83	20	0.80	591	0.83
	TOTAL	437	0.84	6733	0.88	197	0.86	7367	0.88
MG4BC	17-18	35	0.89	2954	0.89	52	0.87	3041	0.89
	19-20	16	0.94	3077	0.85	33	0.76	3126	0.85
	21-22	4	0.75	676	0.81	13	0.85	693	0.81
	23+	1	0.00	447	0.79	9	0.89	457	0.79
	TOTAL	56	0.88	7154	0.86	107	0.83	7317	0.86
MG5	17-18	59	0.49	147	0.73	19	0.53	225	0.65
	19-20	28	0.64	140	0.69	20	0.45	188	0.66
	21-22	15	0.33	56	0.57	11	0.36	82	0.50
	23+	8	0.50	58	0.57	9	0.22	75	0.52
	TOTAL	110	0.51	401	0.67	59	0.42	570	0.62
TOTAL	17-18	7837	0.84	27372	0.92	4200	0.84	39409	0.90
	19-20	2274	0.85	23064	0.90	2986	0.83	28324	0.89
	21-22	318	0.80	8011	0.89	1374	0.81	9703	0.87
	23+	267	0.80	7962	0.87	1083	0.79	9312	0.86
	TOTAL	10696	0.84	66409	0.90	9643	0.82	86748	0.89

TABLE 7

FY 1982 RECRUIT SURVIVORS: 9 MONTHS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	38	0.76	693	0.93	47	0.83	778	0.92
	19-20	10	0.70	815	0.93	57	0.79	882	0.92
	21-22	6	0.83	541	0.93	28	0.68	575	0.91
	23+	10	0.70	754	0.90	34	0.76	798	0.89
	TOTAL	64	0.75	2803	0.92	166	0.78	3033	0.91
MG2	17-18	1518	0.85	8777	0.94	891	0.82	11186	0.92
	19-20	520	0.85	7576	0.92	789	0.83	8885	0.91
	21-22	185	0.80	3482	0.92	394	0.86	4061	0.91
	23+	166	0.83	3820	0.90	417	0.80	4403	0.88
	TOTAL	2389	0.84	23655	0.92	2491	0.82	28535	0.91
MG3U	17-18	2472	0.83	5926	0.93	1003	0.82	9401	0.89
	19-20	636	0.83	4532	0.91	954	0.83	6122	0.89
	21-22	6	0.67	1748	0.91	572	0.78	2326	0.88
	23+	8	0.50	1655	0.84	378	0.78	2041	0.83
	TOTAL	3122	0.83	13861	0.91	2907	0.81	19890	0.88
MG3L	17-18	1576	0.80	5551	0.91	1332	0.79	8459	0.87
	19-20	475	0.80	4761	0.89	1048	0.83	6284	0.88
	21-22	6	1.00	1598	0.86	434	0.79	2038	0.85
	23+	4	0.50	1432	0.84	311	0.77	1747	0.83
	TOTAL	2061	0.80	13342	0.89	3125	0.80	18528	0.87
MG4A	17-18	12	0.83	2181	0.90	21	0.62	2214	0.90
	19-20	2	1.00	2552	0.87	24	1.00	2578	0.87
	21-22	4	0.75	716	0.85	7	0.71	727	0.85
	23+	0	0.00	547	0.82	8	0.75	555	0.82
	TOTAL	18	0.83	5996	0.87	60	0.80	6074	0.87
MG4BC	17-18	3	1.00	944	0.87	9	0.78	956	0.87
	19-20	0	0.00	1129	0.86	11	0.82	1140	0.86
	21-22	0	0.00	266	0.80	1	1.00	267	0.81
	23+	1	0.00	158	0.75	1	1.00	160	0.75
	TOTAL	4	0.75	2497	0.85	22	0.82	2523	0.85
MG5	17-18	6	0.67	27	0.78	4	0.75	37	0.76
	19-20	9	0.78	25	0.72	7	0.71	41	0.73
	21-22	2	0.50	19	0.58	4	1.00	25	0.64
	23+	3	0.33	17	0.59	3	0.33	23	0.52
	TOTAL	20	0.65	88	0.68	18	0.72	126	0.68
TOTAL	17-18	5625	0.83	24099	0.92	3307	0.80	33031	0.89
	19-20	1652	0.83	21390	0.90	2890	0.83	25932	0.89
	21-22	209	0.80	8370	0.90	1440	0.81	10019	0.88
	23+	192	0.79	8383	0.87	1152	0.78	9727	0.86
	TOTAL	7678	0.83	62242	0.91	8789	0.81	78709	0.89

TABLE 8

FY 1983 RECRUIT SURVIVORS: 9 MONTHS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	17	0.82	624	0.93	20	0.80	661	0.92
	19-20	9	1.00	837	0.94	32	0.66	878	0.93
	21-22	3	0.67	578	0.94	18	0.83	599	0.93
	23+	6	0.83	865	0.91	21	0.81	892	0.91
	TOTAL	35	0.86	2904	0.93	91	0.76	3030	0.92
MG2	17-18	854	0.84	8940	0.93	545	0.83	10339	0.92
	19-20	338	0.85	8501	0.92	635	0.84	9474	0.91
	21-22	103	0.75	3974	0.93	373	0.89	4450	0.92
	23+	101	0.76	4385	0.88	294	0.80	4780	0.88
	TOTAL	1396	0.83	25800	0.92	1847	0.84	29043	0.91
MG3U	17-18	830	0.84	6182	0.93	440	0.83	7452	0.91
	19-20	243	0.81	5671	0.91	447	0.86	6361	0.91
	21-22	3	0.67	1950	0.89	257	0.82	2210	0.89
	23+	2	1.00	1843	0.84	158	0.77	2003	0.84
	TOTAL	1078	0.83	15646	0.91	1302	0.83	18026	0.90
MG3L	17-18	136	0.80	5983	0.91	136	0.78	6255	0.91
	19-20	63	0.75	5931	0.89	135	0.83	6129	0.89
	21-22	3	1.00	1703	0.88	71	0.80	1777	0.88
	23+	2	1.00	1464	0.85	37	0.81	1503	0.85
	TOTAL	204	0.79	15081	0.90	379	0.80	15664	0.89
MG4A	17-18	4	1.00	1568	0.89	6	1.00	1578	0.89
	19-20	1	0.00	1995	0.86	10	0.80	2006	0.86
	21-22	0	0.00	565	0.84	2	1.00	567	0.84
	23+	0	0.00	399	0.81	3	0.33	402	0.81
	TOTAL	5	0.80	4527	0.86	21	0.81	4553	0.86
MG4BC	17-18	0	0.00	481	0.86	3	0.67	484	0.86
	19-20	1	0.00	781	0.80	2	1.00	784	0.80
	21-22	0	0.00	121	0.84	1	1.00	122	0.84
	23+	1	1.00	96	0.77	0	0.00	97	0.77
	TOTAL	2	0.50	1479	0.82	6	0.83	1487	0.82
MG5	17-18	1	1.00	7	0.86	3	1.00	11	0.91
	19-20	1	1.00	39	0.74	1	1.00	41	0.76
	21-22	0	0.00	19	0.79	2	0.50	21	0.76
	23+	0	0.00	9	0.67	2	0.50	11	0.64
	TOTAL	2	1.00	74	0.76	8	0.75	84	0.76
TOTAL	17-18	1842	0.84	23785	0.92	1153	0.83	26780	0.91
	19-20	656	0.82	23755	0.90	1262	0.84	25673	0.90
	21-22	112	0.75	8910	0.90	724	0.86	9746	0.90
	23+	112	0.78	9061	0.87	515	0.79	9688	0.86
	TOTAL	2722	0.83	65511	0.91	3654	0.83	71887	0.90

TABLE 9

FY 1984 RECRUIT SURVIVORS: 9 MONTHS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	16	0.81	696	0.95	10	0.80	722	0.94
	19-20	4	1.00	873	0.92	32	0.84	909	0.92
	21-22	2	1.00	614	0.93	18	0.94	634	0.93
	23+	4	0.25	943	0.92	16	0.94	963	0.92
	TOTAL	26	0.77	3126	0.93	76	0.88	3228	0.93
MG2	17-18	747	0.82	9385	0.93	398	0.83	10530	0.92
	19-20	310	0.82	9606	0.92	485	0.80	10401	0.91
	21-22	77	0.87	4131	0.92	292	0.85	4500	0.92
	23+	69	0.72	4530	0.88	229	0.85	4828	0.88
	TOTAL	1203	0.82	27652	0.92	1404	0.83	30259	0.91
MG3U	17-18	979	0.75	7006	0.91	363	0.78	8348	0.88
	19-20	309	0.80	6350	0.90	423	0.80	7082	0.89
	21-22	4	0.50	2040	0.89	214	0.75	2258	0.88
	23+	7	0.71	1882	0.85	181	0.75	2070	0.84
	TOTAL	1299	0.76	17278	0.90	1181	0.78	19758	0.88
MG3L	17-18	20	0.80	6710	0.90	12	0.92	6742	0.90
	19-20	7	1.00	6971	0.88	37	0.76	7015	0.88
	21-22	2	0.50	1831	0.87	28	0.86	1861	0.87
	23+	0	0.00	1577	0.82	13	0.92	1590	0.82
	TOTAL	29	0.83	17089	0.88	90	0.83	17208	0.88
MG4A	17-18	3	1.00	1978	0.86	3	1.00	1984	0.86
	19-20	1	1.00	2486	0.83	4	1.00	2491	0.83
	21-22	0	0.00	650	0.82	6	1.00	656	0.82
	23+	0	0.00	454	0.83	4	0.75	458	0.83
	TOTAL	4	1.00	5568	0.84	17	0.94	5589	0.84
MG4BC	17-18	0	0.00	91	0.82	0	0.00	91	0.82
	19-20	0	0.00	220	0.75	1	1.00	221	0.76
	21-22	0	0.00	53	0.79	0	0.00	53	0.79
	23+	0	0.00	25	0.84	0	0.00	25	0.84
	TOTAL	0	0.00	389	0.78	1	1.00	390	0.78
MG5	17-18	3	0.67	30	0.83	4	1.00	37	0.84
	19-20	3	1.00	46	0.61	5	1.00	54	0.67
	21-22	0	0.00	21	0.71	0	0.00	21	0.71
	23+	0	0.00	12	0.75	0	0.00	12	0.75
	TOTAL	6	0.83	109	0.71	9	1.00	124	0.73
TOTAL	17-18	1768	0.78	25896	0.91	790	0.81	28454	0.90
	19-20	634	0.81	26552	0.90	987	0.80	28173	0.89
	21-22	85	0.85	9340	0.90	558	0.81	9983	0.89
	23+	80	0.70	9423	0.87	443	0.81	9946	0.86
	TOTAL	2567	0.79	71211	0.90	2778	0.81	76556	0.89

for the comparison period as 9 months is the maximum survival period currently available for the FY 1984 recruit cohort.)¹ There is some variety over the years in 9-month recruit survival rates.

In FY 1979, when the civilian unemployment rate was low and military pay relative to civilian pay was also relatively low, the Navy experienced both difficulties in recruiting and relatively low 9-month survival rates (86 percent). In contrast, in the peak recruiting year of 1983, 9-month survival was 90 percent. Overall, this 4-percent difference in 9-month survival rates translates into a loss of about 3,000 sailors.

Some of this variance is explained by the different mixes of recruits obtained in the different fiscal years, with the most important characteristic being the percent of recruits that are high school diploma graduates (HSDGs). The average 9-month survival rate for HSDGs in these years is 90 percent (versus 82 percent for GEDs and 83 percent for nongraduates). Some of the variance in survival rates, however, remains differences among the years, with FY 1979 recruits having lower survival rates in practically all categories. The fact that, except for FY 1979, there is not too much variation in recruit survival by entry year is probably encouraging since the recruiting environment in the late 1980s will probably be more akin to that of the late 1970s (a weak recruiting environment) rather than the early 1980s (a strong recruiting environment).

Differences by Enlistment Program

Table 10 illustrates broad categories of 30-month survival probabilities by enlistment program for recruits that entered the Navy in FY 1982. (Appendix A provides the full SCREEN tables produced by the SCREEN report program.)

Several interesting observations can be made about the overall differences on 30-month survival rates by enlistment program. The first is that the longer enlistment programs (the 5-year obligors and the 6-year obligors (NF, ATF, and AEF)) have higher survival rates than the programs with shorter enlistment periods. The only exception to this comes from the small number of GenDet recruits in the SeaFarer (SF) program who are selected in boot camp, apparently because they show promise, to go to A-school. Not surprisingly, these recruits, about

1. Available data limit survival probability calculations to 9 months if comparisons are to be made through FY 1984; recruits who entered in the last month of FY 1984 (September 1984) would have served only 9 months by June 1985, the last quarterly Enlisted Master Record file available when these analyses were performed.

TABLE 10

ACCESSIONS AND 30-MONTH SURVIVAL PROBABILITIES
FOR FY 1982 RECRUITS: BY ENLISTMENT PROGRAM

	<u>Nongrad</u>	<u>GED</u>	<u>HSDG</u>
School Guarantee ^a			
26,808 (73)			
17-18 years	1,203 (49)	2,497 (55)	8,270 (81)
19-20 years	992 (61)	713 (57)	6,696 (79)
21-22 years	532 (59)	82 (63)	2,611 (78)
23+	410 (58)	75 (60)	2,727 (75)
MG 1-2	814 (57)	1,079 (59)	7,261 (81)
MG 3U	1,119 (55)	1,350 (55)	6,112 (80)
MG 3L	1,181 (55)	932 (52)	5,298 (77)
MG 4 and below	23 (61)	6 (83)	1,633 (75)
5YO			
2,644 (79)			
17-18 years	105 (71)	129 (56)	819 (84)
19-20 years	84 (64)	71 (65)	750 (82)
21-22 years	79 (62)		301 (85)
23+			306 (76)
MG 1-2	81 (69)	71 (58)	1,052 (83)
MG 3U	102 (62)	78 (59)	600 (84)
MG 3L	83 (70)	51 (61)	429 (81)
MG 4 and below	2 (50)		95 (76)
6YO (NF, ATF, AEF)			
14,354 (82)			
17-18 years	298 (57)		5,549 (84)
19-20 years	278 (60)		4,181 (84)
21-22 years	149 (70)	20 (70)	1,863 (84)
23+	174 (69)		1,842 (81)
MG 1-2	701 (62)		11,761 (83)
MG 3U			1,436 (85)
MG 3L	198 (62)	20 (70)	217 (87)
MG 4 and below			21 (76)
Active Mariner (School)			
5,693 (75)			
17-18 years	266 (51)	543 (57)	1,550 (83)
19-20 years	260 (63)	167 (64)	1,484 (82)
21-22 years	129 (73)	53 (64)	556 (80)
23+	85 (56)		600 (74)

TABLE 10 (Continued)

	<u>Nongrad</u>	<u>GED</u>	<u>HSDG</u>
MG 1-2	249 (65)	318 (63)	1,772 (83)
MG 3U	262 (62)	267 (59)	1,247 (79)
MG 3L	222 (52)	175 (54)	901 (81)
MG 4 and below	7 (14)	3 (67)	270 (77)
Active Mariner (ATP)			
11,122 (71)			
17-18 years	628 (50)	1,008 (52)	2,841 (79)
19-20 years	532 (57)	318 (53)	3,148 (77)
21-22 years	253 (60)		1,135 (75)
23+	172 (61)	61 (59)	1,026 (72)
MG 1-2	314 (55)	392 (55)	1,319 (76)
MG 3U	514 (56)	593 (54)	1,508 (79)
MG 3L	738 (54)	395 (48)	2,790 (76)
MG 4 and below	19 (68)	7 (57)	2,533 (75)
SF (still GenDet after 6 months)			
12,676 (69)			
17-18 years	568 (49)	989 (48)	3,591 (74)
19-20 years	518 (59)	268 (62)	3,771 (74)
21-22 years	209 (51)		1,294 (74)
23+	177 (57)	60 (52)	1,231 (69)
MG 1-2	264 (53)	304 (57)	1,827 (71)
MG 3U	467 (53)	570 (51)	1,879 (72)
MG 3L	716 (54)	436 (46)	2,789 (74)
MG 4 and below	25 (72)	7 (71)	3,392 (75)
SF (rated after 6 months)			
1,041 (82)			
17-18 years			251 (88)
19-20 years			287 (84)
21-22 years	113 (66)	92 (67)	117 (79)
23+			181 (88)
MG 1-2	{76 (64)		278 (87)
MG 3U			196 (86)
MG 3L		92 (67)	209 (83)
MG 4 and below	{37 (70)		153 (84)

a. This first number is the number of recruits. The number in parentheses is the percent of recruits surviving.

8 percent of the SF recruits in FY 1982, have high survival rates.¹ Another observation is that 17- to 18-year-old recruits who are not HSDGs do not survive very well.

Differences by Gender

Tables 11 and 12 illustrate 21-month survival probabilities for recruits that entered in the School Guarantee Program in FY 1983. Overall survival (83 percent for males and 82 percent for females) does not appear very different. These overall totals, however, are somewhat misleading as females are overwhelmingly HSDGs; within educational and mental group categories, males have marginally better survival probabilities than females.

Differences by Shipment Mode

Table 13 shows the differences in 30-month survival probabilities for recruits who shipped in FY 1982 within the month of their initial contract and for recruits who shipped in a future month (1 to 12 months later).² Even within the educational category, recruits who ship from the DEP (as opposed to those who ship within the month) have higher survival probabilities. For School Guarantee recruits who are HSDGs, the 30-month survival rate for those who ship within the month is 72 percent; for the recruits who shipped from the DEP, the survival rate is 80 percent. For 5-year obligors, the differences are even more striking: 70 percent versus 83 percent.

This finding is important. It suggests that individuals who have had more time to "think about their decision to enter the Navy" are more likely to make a successful adaptation to Navy life. Moreover, the finding reinforces the concern evinced today as the Navy's DEP shrinks and more recruits are shipped within the month they sign their contract.

Table 14 presents similar data for FY 1984 recruits. Here the survival comparisons are for 9 months; again, significant survival differences are found between those who ship within the month they sign

1. It may be worthwhile to investigate this phenomenon more fully. In the FY 1978 to FY 1984 period, SF recruits who get rated within 6 months have persistently higher survival rates than School Guarantee (SG) recruits. Depending on how important an SG is for recruiting, it may be worthwhile to bring in more SF recruits with the plan of selecting some of them for school in boot camp.

2. This was calculated from the difference between Pay Entry Base Date (PEBD) and Active Duty Service Date (ADSD) since recruits in this period obtained longevity credit from the date they signed their contract. In FY 1985 this was changed; for current USN non-prior-service recruits, PEBD equals ADSD.

TABLE 11

FY 1983 SG MALE RECRUIT SURVIVORS: 21 MONTHS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	7	0.57	49	0.73	9	0.67	65	0.71
	19-20	6	0.83	91	0.90	4	0.50	101	0.88
	21-22	2	0.50	89	0.90	5	1.00	96	0.90
	23+	1	1.00	180	0.81	2	1.00	183	0.81
	TOTAL	16	0.69	409	0.84	20	0.75	445	0.83
MG2	17-18	474	0.68	2225	0.87	215	0.69	2914	0.83
	19-20	193	0.71	2305	0.86	253	0.73	2751	0.84
	21-22	53	0.64	1016	0.87	143	0.75	1212	0.84
	23+	52	0.56	1201	0.82	103	0.63	1356	0.79
	TOTAL	772	0.68	6747	0.86	714	0.71	8233	0.83
MG3U	17-18	392	0.68	2650	0.87	193	0.68	3235	0.84
	19-20	112	0.67	2292	0.86	193	0.70	2597	0.84
	21-22	1	1.00	680	0.84	113	0.74	794	0.82
	23+	1	1.00	659	0.76	65	0.68	725	0.76
	TOTAL	506	0.68	6281	0.85	564	0.70	7351	0.83
MG3L	17-18	82	0.65	2271	0.86	66	0.64	2419	0.84
	19-20	38	0.63	2045	0.85	71	0.75	2154	0.84
	21-22	3	1.00	562	0.81	29	0.62	594	0.80
	23+	0	0.00	488	0.78	23	0.83	511	0.78
	TOTAL	123	0.65	5366	0.84	189	0.70	5678	0.83
MG4A	17-18	1	1.00	341	0.82	3	0.67	345	0.82
	19-20	1	0.00	376	0.81	1	0.00	378	0.80
	21-22	0	0.00	94	0.79	0	0.00	94	0.79
	23+	0	0.00	80	0.76	1	0.00	81	0.75
	TOTAL	2	0.50	891	0.81	5	0.40	898	0.81
MG4BC	17-18	0	0.00	41	0.85	1	0.00	42	0.83
	19-20	0	0.00	59	0.80	0	0.00	59	0.80
	21-22	0	0.00	11	0.64	0	0.00	11	0.64
	23+	0	0.00	6	0.83	0	0.00	6	0.83
	TOTAL	0	0.00	117	0.80	1	0.00	118	0.80
MG5	17-18	0	0.00	1	1.00	0	0.00	1	1.00
	19-20	0	0.00	2	0.50	0	0.00	2	0.50
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	1	1.00	1	0.00	2	0.50
	TOTAL	0	0.00	4	0.75	1	0.00	5	0.60
TOTAL	17-18	956	0.68	7578	0.87	487	0.68	9021	0.84
	19-20	350	0.69	7170	0.85	522	0.72	8042	0.84
	21-22	59	0.66	2452	0.84	290	0.74	2801	0.83
	23+	54	0.57	2615	0.80	195	0.67	2864	0.78
	TOTAL	1419	0.68	19815	0.85	1494	0.70	22728	0.83

TABLE 12

FY 1983 SG FEMALE RECRUIT SURVIVORS: 21 MONTHS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	0	0.00	7	1.00	0	0.00	7	1.00
	19-20	0	0.00	39	0.82	0	0.00	39	0.82
	21-22	0	0.00	19	0.84	0	0.00	19	0.84
	23+	0	0.00	38	0.84	0	0.00	38	0.84
	TOTAL	0	0.00	103	0.84	0	0.00	103	0.84
MG2	17-18	0	0.00	379	0.84	3	0.33	382	0.84
	19-20	0	0.00	443	0.83	3	0.67	446	0.83
	21-22	0	0.00	248	0.84	2	1.00	250	0.84
	23+	0	0.00	375	0.81	1	0.00	376	0.80
	TOTAL	0	0.00	1445	0.83	9	0.56	1454	0.82
MG3U	17-18	0	0.00	282	0.79	2	1.00	284	0.79
	19-20	0	0.00	342	0.83	1	1.00	343	0.83
	21-22	0	0.00	158	0.84	0	0.00	158	0.84
	23+	0	0.00	163	0.77	1	1.00	164	0.77
	TOTAL	0	0.00	945	0.81	4	1.00	949	0.81
MG3L	17-18	0	0.00	238	0.85	2	1.00	240	0.85
	19-20	0	0.00	289	0.80	2	0.50	291	0.79
	21-22	0	0.00	93	0.85	0	0.00	93	0.85
	23+	0	0.00	84	0.81	0	0.00	84	0.81
	TOTAL	0	0.00	704	0.82	4	0.75	708	0.82
MG4A	17-18	0	0.00	35	0.91	0	0.00	35	0.91
	19-20	0	0.00	75	0.79	0	0.00	75	0.79
	21-22	0	0.00	21	0.86	0	0.00	21	0.86
	23+	0	0.00	19	0.84	0	0.00	19	0.84
	TOTAL	0	0.00	150	0.83	0	0.00	150	0.83
MG4BC	17-18	0	0.00	3	0.67	0	0.00	3	0.67
	19-20	0	0.00	2	1.00	0	0.00	2	1.00
	21-22	0	0.00	2	1.00	0	0.00	2	1.00
	23+	0	0.00	2	0.00	0	0.00	2	0.00
	TOTAL	0	0.00	9	0.67	0	0.00	9	0.67
MG5	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	2	0.50	0	0.00	2	0.50
	21-22	0	0.00	1	0.00	0	0.00	1	0.00
	23+	0	0.00	1	1.00	0	0.00	1	1.00
	TOTAL	0	0.00	4	0.50	0	0.00	4	0.50
TOTAL	17-18	0	0.00	944	0.83	7	0.71	951	0.83
	19-20	0	0.00	1192	0.82	6	0.67	1198	0.82
	21-22	0	0.00	542	0.84	2	1.00	544	0.84
	23+	0	0.00	682	0.80	2	0.50	684	0.80
	TOTAL	0	0.00	3360	0.82	17	0.71	3377	0.82

TABLE 13

THIRTY-MONTH SURVIVAL CHARACTERISTICS FOR FY 1982 RECRUIT COHORT

	<u>Shipped within month</u>	<u>Shipped in future month</u>
School Guarantee		
HSDG	2,057 (72) ^a	18,247 (80)
Not HSDG	1,458 (52)	5,046 (56)
5YO		
HSDG	182 (70)	1,993 (83)
Not HSDG	102 (62)	366 (63)
6YO (NF, ATF, AEF)		
HSDG	1,069 (77)	12,366 (84)
Not HSDG	113 (59)	806 (63)
Active Mariner (School)		
HSDG	484 (74)	3,706 (82)
Not HSDG	268 (57)	1,235 (60)
Active Mariner (ATP)		
HSDG	1,388 (72)	6,762 (78)
Not HSDG	1,104 (52)	1,868 (55)
SF (still GenDet after 6 months)		
HSDG	1,876 (70)	8,011 (74)
Not HSDG	1,219 (52)	1,570 (53)
SF (rated after 6 months)		
HSDG	122 (82)	714 (86)
Not HSDG	74 (69)	131 (66)

a. The first number is the number of recruits. The number in parentheses is the percent of recruits surviving.

TABLE 14

NINE-MONTH SURVIVAL PROBABILITIES FOR FY 1984 RECRUIT COHORT

	<u>Shipped within month</u>	<u>Shipped in future month</u>
School Guarantee		
HSDG	2,514 (86) ^a	22,361 (90)
GED	352 (72)	544 (80)
Nongrad	360 (78)	500 (83)
5YO		
HSDG	197 _b (70)	1,994 _b (91)
GED		
Nongrad	b	b
6YO (NF, ATF, AEF)		
HSDG	1,330 _b (91)	13,997 _b (93)
GED		
Nongrad	129 (81)	259 (86)
Active Mariner (School)		
HSDG	644 (89)	4,996 (91)
GED	101 (76)	136 (85)
Nongrad	81 (73)	166 (79)
Active Mariner (ATP)		
HSDG	650 (84)	4,205 (89)
GED	91 (80)	99 (81)
Nongrad	80 (74)	88 (82)
SF (not rated in 6 months)		
HSDG	3,279 (84)	12,701 (87)
GED	414 (77)	613 (79)
Nongrad	337 (78)	524 (80)
SF (rated in 6 months)		
HSDG	198 _b (98)	866 _b (99)
GED		
Nongrad	b	64 (98)

a. The first number is the number of recruits. The number in parentheses is the percent of recruits surviving.

b. Less than 50 observations.

their contract and those who ship later. (The full tables are in appendix B.)

Differences by Educational Category

By far the most important survival characteristic for a potential Navy recruit is his educational category. This more recent work with FY 1978 through FY 1984 recruit cohorts simply reaffirms earlier SCREEN findings: high school diploma graduates have significantly higher survival rates. Given that certificate graduates are supposed to have absorbed the same quantity of formal schooling as diploma graduates, the finding appears to be that a diploma "signals" something else about the recruit other than formal learning, perhaps simply that the recruit is more likely to be a completer.

While the former finding was well recognized within the Navy, the latter was not. As diploma graduates become more difficult to recruit, the findings here suggest that it may be cost effective for the Navy to increasingly use the Delayed Entry Program as an additional screen for nondiploma graduates.

SUMMARY

The interactive SCREEN database described in this study allows the user to quickly access survival information by fiscal year, accession program, recruit gender, shipment mode, educational category, mental group category, and age. Accessed by Navy personnel in OP-13, as well as by CNA analysts, it can provide historical information for reports as well as insights into how the Navy can better screen its recruits. Perhaps the most important findings are that diploma graduates continue to have the best survival rates and that, for otherwise identical recruits, the Navy survival rate is lower if they ship within the month.

REFERENCES

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APPENDIX A

THIRTY-MONTH SURVIVAL PROBABILITIES FOR FY 1982 RECRUIT COHORT:
BY ENLISTMENT PROGRAM

SG RECRUIT SURVIVORS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	8	0.88	80	0.78	9	0.78	97	0.78
	19-20	6	0.67	105	0.82	16	0.50	127	0.77
	21-22	1	1.00	86	0.80	6	0.50	93	0.78
	23+	4	0.50	160	0.81	13	0.62	177	0.79
	TOTAL	19	0.74	431	0.80	44	0.59	494	0.78
MG2	17-18	682	0.57	2461	0.83	292	0.55	3435	0.76
	19-20	235	0.62	2186	0.81	233	0.61	2654	0.77
	21-22	76	0.61	1018	0.79	128	0.63	1222	0.76
	23+	67	0.61	1165	0.78	117	0.50	1349	0.75
	TOTAL	1060	0.59	6830	0.81	770	0.57	8660	0.76
MG3U	17-18	1077	0.55	2739	0.82	381	0.44	4197	0.72
	19-20	266	0.54	1896	0.79	354	0.61	2516	0.74
	21-22	3	1.00	756	0.80	232	0.57	991	0.75
	23+	4	0.50	721	0.74	152	0.63	877	0.72
	TOTAL	1350	0.55	6112	0.80	1119	0.55	8581	0.73
MG3L	17-18	726	0.51	2388	0.80	515	0.49	3629	0.70
	19-20	204	0.56	1784	0.76	378	0.61	2366	0.72
	21-22	2	1.00	579	0.74	163	0.58	744	0.70
	23+	0	0.00	547	0.70	125	0.60	672	0.68
	TOTAL	932	0.52	5298	0.77	1181	0.55	7411	0.71
MG4A	17-18	1	0.00	519	0.76	4	0.50	524	0.75
	19-20	1	1.00	617	0.75	8	0.63	626	0.75
	21-22	0	0.00	142	0.73	2	1.00	144	0.73
	23+	0	0.00	114	0.63	1	1.00	115	0.63
	TOTAL	2	0.50	1392	0.74	15	0.67	1409	0.74
MG4BC	17-18	0	0.00	77	0.88	2	0.50	79	0.87
	19-20	0	0.00	101	0.83	2	0.50	103	0.83
	21-22	0	0.00	24	0.75	0	0.00	24	0.75
	23+	0	0.00	14	0.64	1	1.00	15	0.67
	TOTAL	0	0.00	216	0.83	5	0.60	221	0.82
MG5	17-18	3	1.00	6	0.50	0	0.00	9	0.67
	19-20	1	1.00	7	0.57	1	1.00	9	0.67
	21-22	0	0.00	6	0.17	1	0.00	7	0.14
	23+	0	0.00	6	0.33	1	0.00	7	0.29
	TOTAL	4	1.00	25	0.40	3	0.33	32	0.47
TOTAL	17-18	2497	0.55	8270	0.81	1203	0.49	11970	0.73
	19-20	713	0.57	6696	0.79	992	0.61	8401	0.75
	21-22	82	0.63	2611	0.78	532	0.59	3225	0.74
	23+	75	0.60	2727	0.75	410	0.58	3212	0.72
	TOTAL	3367	0.56	20304	0.79	3137	0.56	26808	0.73

5YO RECRUIT SURVIVORS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	2	0.50	6	0.83	1	1.00	9	0.78
	19-20	0	0.00	23	0.83	1	1.00	24	0.83
	21-22	0	0.00	12	0.92	2	0.00	14	0.79
	23+	0	0.00	33	0.76	0	0.00	33	0.76
	TOTAL	2	0.50	74	0.81	4	0.50	80	0.79
MG2	17-18	35	0.57	327	0.85	25	0.76	387	0.82
	19-20	17	0.65	331	0.83	24	0.71	372	0.81
	21-22	8	0.75	149	0.84	9	0.56	166	0.82
	23+	9	0.33	171	0.77	19	0.68	199	0.74
	TOTAL	69	0.58	978	0.83	77	0.70	1124	0.80
MG3U	17-18	54	0.56	261	0.86	40	0.70	355	0.79
	19-20	24	0.67	191	0.80	39	0.59	254	0.76
	21-22	0	0.00	83	0.89	13	0.46	96	0.83
	23+	0	0.00	65	0.77	10	0.60	75	0.75
	TOTAL	78	0.59	600	0.84	102	0.62	780	0.78
MG3L	17-18	38	0.55	191	0.80	39	0.69	268	0.75
	19-20	13	0.77	164	0.87	18	0.67	195	0.84
	21-22	0	0.00	46	0.76	16	0.75	62	0.76
	23+	0	0.00	28	0.68	10	0.70	38	0.68
	TOTAL	51	0.61	429	0.81	83	0.70	563	0.78
MG4A	17-18	0	0.00	27	0.85	0	0.00	27	0.85
	19-20	0	0.00	32	0.78	1	1.00	33	0.79
	21-22	0	0.00	10	0.90	0	0.00	10	0.90
	23+	0	0.00	6	0.67	0	0.00	6	0.67
	TOTAL	0	0.00	75	0.81	1	1.00	76	0.82
MG4BC	17-18	0	0.00	6	0.83	0	0.00	6	0.83
	19-20	0	0.00	6	0.50	0	0.00	6	0.50
	21-22	0	0.00	1	1.00	0	0.00	1	1.00
	23+	0	0.00	2	1.00	0	0.00	2	1.00
	TOTAL	0	0.00	15	0.73	0	0.00	15	0.73
MG5	17-18	0	0.00	1	0.00	0	0.00	1	0.00
	19-20	0	0.00	3	0.00	1	0.00	4	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	1	0.00	0	0.00	1	0.00
	TOTAL	0	0.00	5	0.00	1	0.00	6	0.00
TOTAL	17-18	129	0.56	819	0.84	105	0.71	1053	0.79
	19-20	54	0.69	750	0.82	84	0.64	888	0.80
	21-22	8	0.75	301	0.85	40	0.58	349	0.81
	23+	9	0.33	306	0.76	39	0.67	354	0.74
	TOTAL	200	0.59	2176	0.82	268	0.66	2644	0.79

NF,ATF,AEF RECRUIT SURVIVORS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	1	1.00	550	0.83	15	0.73	566	0.83
	19-20	0	0.00	544	0.83	23	0.78	567	0.83
	21-22	0	0.00	357	0.86	10	0.70	367	0.85
	23+	0	0.00	410	0.83	12	0.83	422	0.83
	TOTAL	1	1.00	1861	0.84	60	0.77	1922	0.83
MG2	17-18	6	0.67	4142	0.84	218	0.57	4366	0.83
	19-20	5	0.80	3116	0.84	199	0.56	3320	0.82
	21-22	1	1.00	1341	0.83	98	0.71	1440	0.83
	23+	1	1.00	1301	0.81	126	0.67	1428	0.80
	TOTAL	13	0.77	9900	0.83	641	0.61	10554	0.82
MG3U	17-18	3	1.00	740	0.86	57	0.56	800	0.84
	19-20	0	0.00	438	0.85	47	0.70	485	0.83
	21-22	0	0.00	145	0.83	38	0.68	183	0.80
	23+	0	0.00	113	0.79	33	0.76	146	0.78
	TOTAL	3	1.00	1436	0.85	175	0.66	1614	0.83
MG3L	17-18	0	0.00	104	0.85	8	0.13	112	0.79
	19-20	0	0.00	77	0.90	9	0.44	86	0.85
	21-22	0	0.00	20	0.85	3	0.33	23	0.78
	23+	0	0.00	16	0.94	2	0.50	18	0.89
	TOTAL	0	0.00	217	0.87	22	0.32	239	0.82
MG4A	17-18	0	0.00	7	0.86	0	0.00	7	0.86
	19-20	0	0.00	3	1.00	0	0.00	3	1.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	10	0.90	0	0.00	10	0.90
MG4BC	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	1	1.00	0	0.00	1	1.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	1	0.00	0	0.00	1	0.00
	TOTAL	0	0.00	2	0.50	0	0.00	2	0.50
MG5	17-18	1	0.00	6	0.67	0	0.00	7	0.57
	19-20	0	0.00	2	1.00	0	0.00	2	1.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	2	0.00	1	0.00	1	0.00	4	0.00
	TOTAL	3	0.00	9	0.67	1	0.00	13	0.46
TOTAL	17-18	11	0.73	5549	0.84	298	0.57	5858	0.83
	19-20	5	0.80	4181	0.84	278	0.60	4464	0.82
	21-22	1	1.00	1863	0.84	149	0.70	2013	0.83
	23+	3	0.33	1842	0.81	174	0.69	2019	0.80
	TOTAL	20	0.70	13435	0.84	899	0.62	14354	0.82

AM RECRUIT SURVIVORS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	10	0.30	12	0.75	8	0.63	30	0.57
	19-20	2	0.50	41	0.83	7	0.57	50	0.78
	21-22	2	0.50	24	0.88	3	0.67	29	0.83
	23+	1	0.00	37	0.84	2	0.50	40	0.80
	TOTAL	15	0.33	114	0.83	20	0.60	149	0.75
MG2	17-18	187	0.63	544	0.86	80	0.59	811	0.78
	19-20	66	0.65	543	0.83	72	0.67	681	0.80
	21-22	24	0.71	268	0.82	44	0.73	336	0.80
	23+	26	0.62	303	0.77	33	0.70	362	0.75
	TOTAL	303	0.64	1658	0.83	229	0.66	2190	0.78
MG3U	17-18	206	0.56	499	0.79	80	0.54	785	0.71
	19-20	61	0.69	451	0.83	102	0.63	614	0.78
	21-22	0	0.00	153	0.75	53	0.77	206	0.76
	23+	0	0.00	144	0.69	27	0.52	171	0.66
	TOTAL	267	0.59	1247	0.79	262	0.62	1776	0.73
MG3L	17-18	138	0.54	383	0.83	93	0.44	614	0.71
	19-20	37	0.54	342	0.82	77	0.60	456	0.76
	21-22	0	0.00	84	0.79	29	0.66	113	0.75
	23+	0	0.00	92	0.70	23	0.43	115	0.64
	TOTAL	175	0.54	901	0.81	222	0.52	1298	0.72
MG4A	17-18	2	0.50	90	0.77	3	0.00	95	0.74
	19-20	1	1.00	93	0.77	2	0.50	96	0.77
	21-22	0	0.00	18	0.83	0	0.00	18	0.83
	23+	0	0.00	21	0.81	0	0.00	21	0.81
	TOTAL	3	0.67	222	0.78	5	0.20	230	0.77
MG4BC	17-18	0	0.00	21	0.86	1	0.00	22	0.82
	19-20	0	0.00	12	0.92	0	0.00	12	0.92
	21-22	0	0.00	9	0.56	0	0.00	9	0.56
	23+	0	0.00	3	0.00	0	0.00	3	0.00
	TOTAL	0	0.00	45	0.76	1	0.00	46	0.74
MG5	17-18	0	0.00	1	1.00	1	0.00	2	0.50
	19-20	0	0.00	2	0.00	0	0.00	2	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	3	0.33	1	0.00	4	0.25
TOTAL	17-18	543	0.57	1550	0.83	266	0.51	2359	0.73
	19-20	167	0.64	1484	0.82	260	0.63	1911	0.78
	21-22	26	0.69	556	0.80	129	0.73	711	0.78
	23+	27	0.59	600	0.74	85	0.56	712	0.71
	TOTAL	763	0.59	4190	0.81	740	0.60	5693	0.75

ATP RECRUIT SURVIVORS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	5	0.40	12	0.92	4	0.25	21	0.67
	19-20	1	1.00	32	0.63	5	0.40	38	0.61
	21-22	2	1.00	17	0.76	4	0.25	23	0.70
	23+	1	0.00	27	0.74	1	1.00	29	0.72
	TOTAL	9	0.56	88	0.73	14	0.36	111	0.67
MG2	17-18	244	0.54	364	0.79	113	0.50	721	0.66
	19-20	88	0.58	419	0.77	99	0.53	606	0.70
	21-22	25	0.52	203	0.82	41	0.78	269	0.79
	23+	26	0.62	245	0.79	47	0.62	318	0.75
	TOTAL	383	0.55	1231	0.79	300	0.56	1914	0.71
MG3U	17-18	460	0.54	567	0.80	195	0.51	1222	0.65
	19-20	132	0.55	532	0.80	174	0.58	838	0.72
	21-22	0	0.00	210	0.82	89	0.64	299	0.77
	23+	1	1.00	199	0.70	56	0.57	256	0.67
	TOTAL	593	0.54	1508	0.79	514	0.56	2615	0.69
MG3L	17-18	295	0.48	1022	0.78	309	0.49	1626	0.67
	19-20	96	0.46	1061	0.77	245	0.58	1402	0.72
	21-22	3	0.67	382	0.71	116	0.52	501	0.67
	23+	1	0.00	325	0.72	68	0.63	394	0.70
	TOTAL	395	0.48	2790	0.76	738	0.54	3923	0.69
MG4A	17-18	3	0.33	576	0.81	5	0.40	584	0.81
	19-20	0	0.00	733	0.77	6	0.83	739	0.77
	21-22	2	1.00	241	0.73	3	0.67	246	0.73
	23+	0	0.00	173	0.66	0	0.00	173	0.66
	TOTAL	5	0.60	1723	0.77	14	0.64	1742	0.77
MG4BC	17-18	1	1.00	298	0.76	2	1.00	301	0.76
	19-20	0	0.00	369	0.72	3	0.67	372	0.72
	21-22	0	0.00	82	0.59	0	0.00	82	0.59
	23+	0	0.00	56	0.63	0	0.00	56	0.63
	TOTAL	1	1.00	805	0.72	5	0.80	811	0.72
MG5	17-18	0	0.00	2	0.50	0	0.00	2	0.50
	19-20	1	0.00	2	0.00	0	0.00	3	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	1	0.00	0	0.00	1	0.00
	TOTAL	1	0.00	5	0.20	0	0.00	6	0.17
TOTAL	17-18	1008	0.52	2841	0.79	628	0.50	4477	0.69
	19-20	318	0.53	3148	0.77	532	0.57	3998	0.72
	21-22	32	0.59	1135	0.75	253	0.60	1420	0.72
	23+	29	0.59	1026	0.72	172	0.61	1227	0.70
	TOTAL	1387	0.53	8150	0.77	1585	0.55	11122	0.71

SF(GENDET) RECRUIT SURVIVORS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	3	0.67	24	0.67	6	0.50	33	0.64
	19-20	1	1.00	38	0.71	3	0.67	42	0.71
	21-22	0	0.00	22	0.82	1	1.00	23	0.83
	23+	2	0.50	41	0.76	4	1.00	47	0.77
	TOTAL	6	0.67	125	0.74	14	0.71	145	0.73
MG2	17-18	195	0.55	539	0.64	86	0.43	820	0.60
	19-20	55	0.65	555	0.75	91	0.59	701	0.72
	21-22	30	0.43	278	0.74	34	0.53	342	0.70
	23+	18	0.72	330	0.71	39	0.56	387	0.70
	TOTAL	298	0.57	1702	0.71	250	0.52	2250	0.67
MG3U	17-18	458	0.48	700	0.74	165	0.52	1323	0.63
	19-20	108	0.63	665	0.74	154	0.59	927	0.70
	21-22	2	0.00	249	0.75	90	0.46	341	0.67
	23+	2	0.50	265	0.61	58	0.53	325	0.59
	TOTAL	570	0.51	1879	0.72	467	0.53	2916	0.65
MG3L	17-18	328	0.42	1078	0.75	304	0.49	1710	0.64
	19-20	104	0.58	1007	0.73	260	0.58	1371	0.69
	21-22	1	1.00	379	0.72	82	0.56	462	0.69
	23+	3	0.33	325	0.72	70	0.57	398	0.69
	TOTAL	436	0.46	2789	0.74	716	0.54	3941	0.67
MG4A	17-18	5	0.80	829	0.79	6	0.50	840	0.79
	19-20	0	0.00	940	0.75	5	0.80	945	0.75
	21-22	2	0.50	258	0.73	1	0.00	261	0.73
	23+	0	0.00	199	0.75	6	0.67	205	0.75
	TOTAL	7	0.71	2226	0.76	18	0.61	2251	0.76
MG4BC	17-18	0	0.00	416	0.74	1	1.00	417	0.74
	19-20	0	0.00	563	0.74	5	1.00	568	0.74
	21-22	0	0.00	108	0.73	1	1.00	109	0.73
	23+	0	0.00	68	0.63	0	0.00	68	0.63
	TOTAL	0	0.00	1155	0.73	7	1.00	1162	0.74
MG5	17-18	0	0.00	5	1.00	0	0.00	5	1.00
	19-20	0	0.00	3	0.67	0	0.00	3	0.67
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	3	0.00	0	0.00	3	0.00
	TOTAL	0	0.00	11	0.64	0	0.00	11	0.64
TOTAL	17-18	989	0.48	3591	0.74	568	0.49	5148	0.66
	19-20	268	0.62	3771	0.74	518	0.59	4557	0.72
	21-22	35	0.43	1294	0.74	209	0.51	1538	0.70
	23+	25	0.64	1231	0.69	177	0.57	1433	0.68
	TOTAL	1317	0.51	9887	0.73	1472	0.54	12676	0.69

SF(RATED) RECRUIT SURVIVORS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	1	0.00	0	0.00	1	1.00	2	0.50
	19-20	0	0.00	7	0.86	0	0.00	7	0.86
	21-22	0	0.00	4	0.75	0	0.00	4	0.75
	23+	0	0.00	13	0.92	0	0.00	13	0.92
	TOTAL	1	0.00	24	0.88	1	1.00	26	0.85
MG2	17-18	18	0.67	56	0.95	9	0.67	83	0.86
	19-20	5	0.60	78	0.82	12	0.67	95	0.79
	21-22	3	1.00	36	0.83	4	0.75	43	0.84
	23+	2	0.50	84	0.89	3	0.67	89	0.88
	TOTAL	28	0.68	254	0.87	28	0.68	310	0.84
MG3U	17-18	27	0.56	64	0.86	15	0.47	106	0.73
	19-20	9	0.67	68	0.84	13	0.77	90	0.81
	21-22	0	0.00	26	0.85	10	0.70	36	0.81
	23+	0	0.00	38	0.89	9	0.56	47	0.83
	TOTAL	36	0.58	196	0.86	47	0.62	279	0.78
MG3L	17-18	18	0.83	69	0.88	9	0.67	96	0.85
	19-20	8	0.88	75	0.81	16	0.69	99	0.80
	21-22	0	0.00	35	0.74	4	0.75	39	0.74
	23+	0	0.00	30	0.87	5	1.00	35	0.89
	TOTAL	26	0.85	209	0.83	34	0.74	269	0.82
MG4A	17-18	0	0.00	47	0.83	0	0.00	47	0.83
	19-20	0	0.00	44	0.89	1	0.00	45	0.87
	21-22	0	0.00	12	0.83	0	0.00	12	0.83
	23+	0	0.00	15	0.73	1	1.00	16	0.75
	TOTAL	0	0.00	118	0.84	2	0.50	120	0.83
MG4BC	17-18	1	0.00	15	0.80	0	0.00	16	0.75
	19-20	0	0.00	15	1.00	0	0.00	15	1.00
	21-22	0	0.00	4	0.50	0	0.00	4	0.50
	23+	0	0.00	1	1.00	0	0.00	1	1.00
	TOTAL	1	0.00	35	0.86	0	0.00	36	0.83
MG5	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	1	0.00	1	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	0	0.00	1	0.00	1	0.00
TOTAL	17-18	65	0.65	251	0.88	34	0.59	350	0.81
	19-20	22	0.73	287	0.84	43	0.67	352	0.82
	21-22	3	1.00	117	0.79	18	0.72	138	0.79
	23+	2	0.50	181	0.88	18	0.72	201	0.86
	TOTAL	92	0.67	836	0.85	113	0.66	1041	0.82

ALL OTHER RECRUIT SURVIVORS

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	8	0.25	9	0.44	3	0.33	20	0.35
	19-20	0	0.00	25	0.60	2	0.50	27	0.59
	21-22	1	1.00	19	0.79	2	0.50	22	0.77
	23+	2	0.00	33	0.64	2	0.00	37	0.57
	TOTAL	11	0.27	86	0.64	9	0.33	106	0.58
MG2	17-18	151	0.52	344	0.81	68	0.54	563	0.70
	19-20	49	0.49	348	0.77	59	0.54	456	0.71
	21-22	18	0.50	189	0.76	36	0.56	243	0.71
	23+	17	0.76	221	0.78	33	0.52	271	0.75
	TOTAL	235	0.53	1102	0.78	196	0.54	1533	0.71
MG3U	17-18	187	0.56	356	0.77	70	0.46	613	0.67
	19-20	36	0.61	291	0.70	71	0.54	398	0.67
	21-22	1	1.00	126	0.75	47	0.62	174	0.71
	23+	1	0.00	110	0.67	33	0.52	144	0.63
	TOTAL	225	0.57	883	0.73	221	0.52	1329	0.67
MG3L	17-18	33	0.45	316	0.78	55	0.53	404	0.72
	19-20	13	0.23	251	0.77	45	0.60	309	0.72
	21-22	0	0.00	73	0.67	21	0.38	94	0.61
	23+	0	0.00	69	0.58	8	0.38	77	0.56
	TOTAL	46	0.39	709	0.75	129	0.52	884	0.69
MG4A	17-18	1	0.00	86	0.84	3	0.67	90	0.82
	19-20	0	0.00	90	0.76	1	0.00	91	0.75
	21-22	0	0.00	35	0.74	1	1.00	36	0.75
	23+	0	0.00	19	0.58	0	0.00	19	0.58
	TOTAL	1	0.00	230	0.77	5	0.60	236	0.76
MG4BC	17-18	1	1.00	111	0.74	3	1.00	115	0.75
	19-20	0	0.00	62	0.82	1	0.00	63	0.81
	21-22	0	0.00	38	0.76	0	0.00	38	0.76
	23+	1	0.00	13	0.85	0	0.00	14	0.79
	TOTAL	2	0.50	224	0.77	4	0.75	230	0.77
MG5	17-18	2	0.50	6	0.33	3	0.33	11	0.36
	19-20	7	0.00	6	0.17	4	0.25	17	0.12
	21-22	2	0.00	13	0.08	3	0.67	18	0.17
	23+	1	1.00	5	0.20	1	0.00	7	0.29
	TOTAL	12	0.17	30	0.17	11	0.36	53	0.21
TOTAL	17-18	383	0.53	1228	0.78	205	0.51	1816	0.70
	19-20	105	0.47	1073	0.75	183	0.54	1361	0.70
	21-22	22	0.50	493	0.73	110	0.55	625	0.69
	23+	22	0.64	470	0.70	77	0.48	569	0.67
	TOTAL	532	0.52	3264	0.75	575	0.53	4371	0.69

APPENDIX B

NINE-MONTH SURVIVAL PROBABILITIES FOR FY 1984 RECRUIT COHORT:
BY ENLISTMENT PROGRAM AND BY SHIPMENT TYPE
(WITHIN MONTH OR DELAYED)

SG RECRUIT SURVIVORS
(ENTRY TYPE: SHIPPED WITHIN MONTH)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	3	1.00	4	1.00	1	1.00	8	1.00
	19-20	0	0.00	14	1.00	8	1.00	22	1.00
	21-22	1	1.00	21	1.00	0	0.00	22	1.00
	23+	0	0.00	26	1.00	1	1.00	27	1.00
	TOTAL	4	1.00	65	1.00	10	1.00	79	1.00
MG2	17-18	111	1.00	211	1.00	54	1.00	376	1.00
	19-20	40	1.00	345	1.00	53	1.00	438	1.00
	21-22	9	1.00	169	1.00	32	1.00	210	1.00
	23+	7	1.00	245	1.00	16	1.00	268	1.00
	TOTAL	167	1.00	970	1.00	155	1.00	1292	1.00
MG3U	17-18	143	0.99	212	1.00	62	0.98	417	1.00
	19-20	34	1.00	284	1.00	60	1.00	378	1.00
	21-22	1	1.00	121	1.00	37	1.00	159	1.00
	23+	0	0.00	127	0.99	30	1.00	157	0.99
	TOTAL	178	0.99	744	1.00	189	0.99	1111	1.00
MG3L	17-18	1	1.00	166	1.00	1	1.00	168	1.00
	19-20	1	1.00	249	1.00	1	1.00	251	1.00
	21-22	0	0.00	84	1.00	1	1.00	85	1.00
	23+	0	0.00	91	1.00	2	1.00	93	1.00
	TOTAL	2	1.00	590	1.00	5	1.00	597	1.00
MG4A	17-18	0	0.00	41	1.00	0	0.00	41	1.00
	19-20	0	0.00	60	1.00	0	0.00	60	1.00
	21-22	0	0.00	15	1.00	0	0.00	15	1.00
	23+	0	0.00	23	1.00	1	1.00	24	1.00
	TOTAL	0	0.00	139	1.00	1	1.00	140	1.00
MG4BC	17-18	0	0.00	1	1.00	0	0.00	1	1.00
	19-20	0	0.00	1	1.00	0	0.00	1	1.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	2	1.00	0	0.00	2	1.00
	TOTAL	0	0.00	4	1.00	0	0.00	4	1.00
MG5	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	1	1.00	0	0.00	0	0.00	1	1.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	2	1.00	0	0.00	2	1.00
	TOTAL	1	1.00	2	1.00	0	0.00	3	1.00
TOTAL	17-18	258	1.00	635	1.00	118	0.99	1011	1.00
	19-20	76	1.00	953	1.00	122	1.00	1151	1.00
	21-22	11	1.00	410	1.00	70	1.00	491	1.00
	23+	7	1.00	516	1.00	50	1.00	573	1.00
	TOTAL	352	1.00	2514	1.00	360	1.00	3226	1.00

SG RECRUIT SURVIVORS
(ENTRY TYPE: DELAYED ENTRY PROGRAM)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	3	1.00	65	0.94	1	1.00	69	0.94
	19-20	1	1.00	127	0.90	8	0.88	136	0.90
	21-22	0	0.00	94	0.98	2	1.00	96	0.98
	23+	0	0.00	187	0.90	1	1.00	188	0.90
	TOTAL	4	1.00	473	0.92	12	0.92	489	0.92
MG2	17-18	194	0.78	2616	0.92	86	0.84	2896	0.91
	19-20	99	0.81	2783	0.91	116	0.80	2998	0.91
	21-22	16	0.88	1167	0.91	60	0.90	1243	0.91
	23+	16	0.75	1316	0.87	47	0.85	1379	0.87
	TOTAL	325	0.79	7882	0.91	309	0.84	8516	0.90
MG3U	17-18	155	0.79	3207	0.91	52	0.75	3414	0.90
	19-20	51	0.90	2697	0.91	64	0.83	2812	0.91
	21-22	1	0.00	788	0.90	19	0.79	808	0.90
	23+	1	1.00	678	0.86	18	0.83	697	0.86
	TOTAL	208	0.81	7370	0.91	153	0.80	7731	0.90
MG3L	17-18	6	1.00	2573	0.91	2	1.00	2581	0.91
	19-20	0	0.00	2422	0.89	13	0.85	2435	0.89
	21-22	1	1.00	584	0.87	6	1.00	591	0.87
	23+	0	0.00	466	0.84	3	0.67	469	0.84
	TOTAL	7	1.00	6045	0.89	24	0.88	6076	0.89
MG4A	17-18	0	0.00	238	0.87	0	0.00	238	0.87
	19-20	0	0.00	225	0.83	0	0.00	225	0.83
	21-22	0	0.00	49	0.82	1	1.00	50	0.82
	23+	0	0.00	42	0.90	1	1.00	43	0.91
	TOTAL	0	0.00	554	0.85	2	1.00	556	0.85
MG4BC	17-18	0	0.00	8	0.75	0	0.00	8	0.75
	19-20	0	0.00	13	0.69	0	0.00	13	0.69
	21-22	0	0.00	5	0.60	0	0.00	5	0.60
	23+	0	0.00	3	0.67	0	0.00	3	0.67
	TOTAL	0	0.00	29	0.69	0	0.00	29	0.69
MG5	17-18	0	0.00	4	1.00	0	0.00	4	1.00
	19-20	0	0.00	3	0.33	0	0.00	3	0.33
	21-22	0	0.00	1	0.00	0	0.00	1	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	8	0.63	0	0.00	8	0.63
TOTAL	17-18	358	0.79	8711	0.91	141	0.81	9210	0.91
	19-20	151	0.84	8270	0.90	201	0.82	8622	0.90
	21-22	18	0.83	2688	0.90	88	0.89	2794	0.90
	23+	17	0.76	2692	0.86	70	0.84	2779	0.86
	TOTAL	544	0.80	22361	0.90	500	0.83	23405	0.90

5YO RECRUIT SURVIVORS
(ENTRY TYPE: SHIPPED WITHIN MONTH)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	3	1.00	1	1.00	4	1.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	6	1.00	0	0.00	6	1.00
	TOTAL	0	0.00	9	1.00	1	1.00	10	1.00
MG2	17-18	5	0.80	22	0.95	0	0.00	27	0.93
	19-20	4	1.00	32	0.91	10	0.90	46	0.91
	21-22	1	1.00	19	0.84	5	1.00	25	0.88
	23+	0	0.00	25	0.84	2	0.50	27	0.81
	TOTAL	10	0.90	98	0.89	17	0.88	125	0.89
MG3U	17-18	8	0.63	12	0.92	4	1.00	24	0.83
	19-20	2	0.50	20	0.85	0	0.00	22	0.82
	21-22	0	0.00	11	1.00	1	1.00	12	1.00
	23+	0	0.00	6	0.83	2	1.00	8	0.88
	TOTAL	10	0.60	49	0.90	7	1.00	66	0.86
MG3L	17-18	0	0.00	10	0.90	0	0.00	10	0.90
	19-20	0	0.00	14	0.93	0	0.00	14	0.93
	21-22	0	0.00	4	0.75	0	0.00	4	0.75
	23+	0	0.00	3	0.67	0	0.00	3	0.67
	TOTAL	0	0.00	31	0.87	0	0.00	31	0.87
MG4A	17-18	0	0.00	2	0.50	0	0.00	2	0.50
	19-20	0	0.00	5	0.80	0	0.00	5	0.80
	21-22	0	0.00	1	1.00	0	0.00	1	1.00
	23+	0	0.00	2	1.00	0	0.00	2	1.00
	TOTAL	0	0.00	10	0.80	0	0.00	10	0.80
MG4BC	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	0	0.00	0	0.00	0	0.00
MG5	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	0	0.00	0	0.00	0	0.00
TOTAL	17-18	13	0.69	46	0.91	4	1.00	63	0.87
	19-20	6	0.83	74	0.89	11	0.91	91	0.89
	21-22	1	1.00	35	0.89	6	1.00	42	0.90
	23+	0	0.00	42	0.86	4	0.75	46	0.85
	TOTAL	20	0.75	197	0.89	25	0.92	242	0.88

5YO RECRUIT SURVIVORS
(ENTRY TYPE: DELAYED ENTRY PROGRAM)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	0	0.00	6	1.00	0	0.00	6	1.00
	19-20	0	0.00	7	1.00	1	1.00	8	1.00
	21-22	0	0.00	20	0.95	0	0.00	20	0.95
	23+	1	1.00	30	0.93	1	1.00	32	0.94
	TOTAL	1	1.00	63	0.95	2	1.00	66	0.95
MG2	17-18	6	0.83	218	0.91	1	1.00	225	0.91
	19-20	2	1.00	266	0.94	4	1.00	272	0.94
	21-22	3	0.67	124	0.95	6	0.83	133	0.94
	23+	4	1.00	136	0.88	8	1.00	148	0.89
	TOTAL	15	0.87	744	0.92	19	0.95	778	0.92
MG3U	17-18	7	0.71	273	0.90	3	0.33	283	0.89
	19-20	6	1.00	274	0.91	5	0.60	285	0.91
	21-22	0	0.00	84	0.88	5	0.60	89	0.87
	23+	1	1.00	68	0.97	3	1.00	72	0.97
	TOTAL	14	0.86	699	0.91	16	0.63	729	0.90
MG3L	17-18	0	0.00	187	0.93	1	1.00	188	0.93
	19-20	1	1.00	195	0.85	0	0.00	196	0.85
	21-22	0	0.00	47	0.91	2	1.00	49	0.92
	23+	0	0.00	29	0.79	0	0.00	29	0.79
	TOTAL	1	1.00	458	0.89	3	1.00	462	0.89
MG4A	17-18	0	0.00	8	0.88	0	0.00	8	0.88
	19-20	0	0.00	11	0.82	0	0.00	11	0.82
	21-22	0	0.00	5	1.00	0	0.00	5	1.00
	23+	0	0.00	2	1.00	0	0.00	2	1.00
	TOTAL	0	0.00	26	0.88	0	0.00	26	0.88
MG4BC	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	3	0.67	0	0.00	3	0.67
	21-22	0	0.00	1	0.00	0	0.00	1	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	4	0.50	0	0.00	4	0.50
MG5	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	0	0.00	0	0.00	0	0.00
TOTAL	17-18	13	0.77	692	0.91	5	0.60	710	0.91
	19-20	9	1.00	756	0.90	10	0.80	775	0.90
	21-22	3	0.67	281	0.92	13	0.77	297	0.91
	23+	6	1.00	265	0.90	12	1.00	283	0.90
	TOTAL	31	0.87	1994	0.91	40	0.83	2065	0.91

NF,ATF,AEF RECRUIT SURVIVORS
(ENTRY TYPE: SHIPPED WITHIN MONTH)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	0	0.00	39	0.95	0	0.00	39	0.95
	19-20	0	0.00	77	0.96	2	1.00	79	0.96
	21-22	0	0.00	50	0.94	1	1.00	51	0.94
	23+	0	0.00	71	0.96	1	1.00	72	0.96
	TOTAL	0	0.00	237	0.95	4	1.00	241	0.95
MG2	17-18	0	0.00	235	0.91	27	0.93	262	0.92
	19-20	0	0.00	352	0.91	25	0.88	377	0.90
	21-22	0	0.00	157	0.92	23	0.83	180	0.91
	23+	1	1.00	184	0.89	21	0.57	206	0.85
	TOTAL	1	1.00	928	0.91	96	0.81	1025	0.90
MG3U	17-18	0	0.00	35	0.91	5	0.60	40	0.88
	19-20	0	0.00	60	0.87	14	0.79	74	0.85
	21-22	0	0.00	28	0.96	5	1.00	33	0.97
	23+	0	0.00	26	0.69	5	0.80	31	0.71
	TOTAL	0	0.00	149	0.87	29	0.79	178	0.85
MG3L	17-18	0	0.00	4	1.00	0	0.00	4	1.00
	19-20	0	0.00	6	0.83	0	0.00	6	0.83
	21-22	0	0.00	1	1.00	0	0.00	1	1.00
	23+	0	0.00	2	1.00	0	0.00	2	1.00
	TOTAL	0	0.00	13	0.92	0	0.00	13	0.92
MG4A	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	1	1.00	0	0.00	1	1.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	1	1.00	0	0.00	1	1.00
MG4BC	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	0	0.00	0	0.00	0	0.00
MG5	17-18	0	0.00	1	1.00	0	0.00	1	1.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	1	1.00	0	0.00	1	1.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	2	1.00	0	0.00	2	1.00
TOTAL	17-18	0	0.00	314	0.92	32	0.88	346	0.92
	19-20	0	0.00	495	0.91	41	0.85	536	0.90
	21-22	0	0.00	238	0.93	29	0.86	267	0.92
	23+	1	1.00	283	0.89	27	0.63	311	0.86
	TOTAL	1	1.00	1330	0.91	129	0.81	1460	0.90

NF, ATF, AEF RECRUIT SURVIVORS
(ENTRY TYPE: DELAYED ENTRY PROGRAM)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	0	0.00	512	0.95	4	1.00	516	0.95
	19-20	0	0.00	535	0.92	6	0.83	541	0.92
	21-22	0	0.00	342	0.92	9	1.00	351	0.92
	23+	0	0.00	415	0.93	9	0.89	424	0.92
	TOTAL	0	0.00	1804	0.93	28	0.93	1832	0.93
MG2	17-18	5	0.60	4153	0.94	55	0.87	4213	0.94
	19-20	1	1.00	3370	0.93	67	0.82	3438	0.93
	21-22	1	0.00	1364	0.94	38	0.79	1403	0.94
	23+	1	0.00	1373	0.91	49	0.96	1423	0.91
	TOTAL	8	0.50	10260	0.93	209	0.86	10477	0.93
MG3U	17-18	0	0.00	815	0.93	7	0.71	822	0.93
	19-20	0	0.00	568	0.93	8	0.75	576	0.93
	21-22	0	0.00	164	0.95	3	0.67	167	0.95
	23+	0	0.00	145	0.84	4	0.75	149	0.84
	TOTAL	0	0.00	1692	0.93	22	0.73	1714	0.92
MG3L	17-18	0	0.00	115	0.97	0	0.00	115	0.97
	19-20	0	0.00	83	0.92	0	0.00	83	0.92
	21-22	0	0.00	20	0.80	0	0.00	20	0.80
	23+	0	0.00	13	0.92	0	0.00	13	0.92
	TOTAL	0	0.00	231	0.93	0	0.00	231	0.93
MG4A	17-18	0	0.00	1	1.00	0	0.00	1	1.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	1	1.00	0	0.00	1	1.00
MG4BC	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	0	0.00	0	0.00	0	0.00
MG5	17-18	0	0.00	3	1.00	0	0.00	3	1.00
	19-20	0	0.00	4	0.50	0	0.00	4	0.50
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	2	1.00	0	0.00	2	1.00
	TOTAL	0	0.00	9	0.78	0	0.00	9	0.78
TOTAL	17-18	5	0.60	5599	0.94	66	0.86	5670	0.94
	19-20	1	1.00	4560	0.93	81	0.81	4642	0.93
	21-22	1	0.00	1890	0.93	50	0.82	1941	0.93
	23+	1	0.00	1948	0.91	62	0.94	2011	0.91
	TOTAL	8	0.50	13997	0.93	259	0.86	14264	0.93

AM RECRUIT SURVIVORS
(ENTRY TYPE: SHIPPED WITHIN MONTH)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	0	0.00	2	1.00	1	1.00	3	1.00
	19-20	0	0.00	4	1.00	1	1.00	5	1.00
	21-22	1	1.00	1	1.00	1	1.00	3	1.00
	23+	0	0.00	10	1.00	0	0.00	10	1.00
	TOTAL	1	1.00	17	1.00	3	1.00	21	1.00
MG2	17-18	32	0.78	57	0.82	11	0.91	100	0.82
	19-20	5	0.60	100	0.91	19	0.79	124	0.88
	21-22	0	0.00	50	0.88	9	0.67	59	0.85
	23+	7	0.71	61	0.84	2	0.50	70	0.81
	TOTAL	44	0.75	268	0.87	41	0.78	353	0.84
MG3U	17-18	41	0.80	54	0.87	9	0.78	104	0.84
	19-20	14	0.64	80	0.93	9	0.56	103	0.85
	21-22	0	0.00	30	1.00	10	0.70	40	0.93
	23+	0	0.00	38	0.95	8	0.63	46	0.89
	TOTAL	55	0.76	202	0.93	36	0.67	293	0.86
MG3L	17-18	0	0.00	37	0.89	0	0.00	37	0.89
	19-20	0	0.00	54	0.87	0	0.00	54	0.87
	21-22	0	0.00	23	0.87	1	0.00	24	0.83
	23+	0	0.00	17	0.71	0	0.00	17	0.71
	TOTAL	0	0.00	131	0.85	1	0.00	132	0.85
MG4A	17-18	1	1.00	4	0.75	0	0.00	5	0.80
	19-20	0	0.00	12	0.83	0	0.00	12	0.83
	21-22	0	0.00	4	1.00	0	0.00	4	1.00
	23+	0	0.00	5	1.00	0	0.00	5	1.00
	TOTAL	1	1.00	25	0.88	0	0.00	26	0.88
MG4BC	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	0	0.00	0	0.00	0	0.00
MG5	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	1	0.00	0	0.00	1	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	1	0.00	0	0.00	1	0.00
TOTAL	17-18	74	0.80	154	0.86	21	0.86	249	0.84
	19-20	19	0.63	251	0.90	29	0.72	299	0.87
	21-22	1	1.00	108	0.92	21	0.67	130	0.88
	23+	7	0.71	131	0.87	10	0.60	148	0.84
	TOTAL	101	0.76	644	0.89	81	0.73	826	0.86

AM RECRUIT SURVIVORS
(ENTRY TYPE: DELAYED ENTRY PROGRAM)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	1	1.00	19	0.89	0	0.00	20	0.90
	19-20	2	1.00	26	0.96	0	0.00	28	0.96
	21-22	0	0.00	26	0.96	1	1.00	27	0.96
	23+	0	0.00	56	0.96	1	1.00	57	0.96
	TOTAL	3	1.00	127	0.95	2	1.00	132	0.95
MG2	17-18	42	0.88	630	0.93	25	0.72	697	0.92
	19-20	19	0.84	726	0.93	34	0.76	779	0.92
	21-22	9	0.89	304	0.93	19	0.79	332	0.92
	23+	4	0.75	340	0.86	17	0.76	361	0.86
	TOTAL	74	0.86	2000	0.92	95	0.76	2169	0.91
MG3U	17-18	45	0.80	658	0.91	24	0.79	727	0.90
	19-20	11	0.82	627	0.91	22	0.91	660	0.91
	21-22	1	1.00	184	0.90	11	0.82	196	0.89
	23+	0	0.00	148	0.85	8	0.63	156	0.84
	TOTAL	57	0.81	1617	0.90	65	0.82	1739	0.90
MG3L	17-18	2	1.00	480	0.92	0	0.00	482	0.92
	19-20	0	0.00	458	0.91	0	0.00	458	0.91
	21-22	0	0.00	99	0.85	3	1.00	102	0.85
	23+	0	0.00	99	0.82	0	0.00	99	0.82
	TOTAL	2	1.00	1136	0.90	3	1.00	1141	0.90
MG4A	17-18	0	0.00	39	0.87	1	1.00	40	0.88
	19-20	0	0.00	41	0.78	0	0.00	41	0.78
	21-22	0	0.00	13	0.77	0	0.00	13	0.77
	23+	0	0.00	10	0.90	0	0.00	10	0.90
	TOTAL	0	0.00	103	0.83	1	1.00	104	0.83
MG4BC	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	3	0.67	0	0.00	3	0.67
	21-22	0	0.00	3	1.00	0	0.00	3	1.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	6	0.83	0	0.00	6	0.83
MG5	17-18	0	0.00	1	1.00	0	0.00	1	1.00
	19-20	0	0.00	5	0.60	0	0.00	5	0.60
	21-22	0	0.00	1	1.00	0	0.00	1	1.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	7	0.71	0	0.00	7	0.71
TOTAL	17-18	90	0.84	1827	0.92	50	0.76	1967	0.91
	19-20	32	0.84	1886	0.91	56	0.82	1974	0.91
	21-22	10	0.90	630	0.90	34	0.82	674	0.90
	23+	4	0.75	653	0.86	26	0.73	683	0.86
	TOTAL	136	0.85	4996	0.91	166	0.79	5298	0.90

ATP RECRUIT SURVIVORS
(ENTRY TYPE: SHIPPED WITHIN MONTH)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	0	0.00	2	0.50	0	0.00	2	0.50
	19-20	0	0.00	1	1.00	0	0.00	1	1.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	6	1.00	0	0.00	6	1.00
	TOTAL	0	0.00	9	0.89	0	0.00	9	0.89
MG2	17-18	23	0.83	20	0.80	13	0.85	56	0.82
	19-20	6	0.83	30	0.93	9	0.67	45	0.87
	21-22	4	0.75	15	1.00	5	0.40	24	0.83
	23+	2	1.00	21	0.90	2	1.00	25	0.92
	TOTAL	35	0.83	86	0.91	29	0.72	150	0.85
MG3U	17-18	47	0.83	29	0.86	18	0.83	94	0.84
	19-20	8	0.50	55	0.91	12	0.75	75	0.84
	21-22	0	0.00	22	0.82	9	0.67	31	0.77
	23+	0	0.00	25	0.68	10	0.70	35	0.69
	TOTAL	55	0.78	131	0.84	49	0.76	235	0.81
MG3L	17-18	0	0.00	77	0.83	0	0.00	77	0.83
	19-20	0	0.00	96	0.86	0	0.00	96	0.86
	21-22	0	0.00	35	0.80	1	0.00	36	0.78
	23+	0	0.00	39	0.85	0	0.00	39	0.85
	TOTAL	0	0.00	247	0.84	1	0.00	248	0.84
MG4A	17-18	0	0.00	49	0.90	0	0.00	49	0.90
	19-20	1	1.00	86	0.78	0	0.00	87	0.78
	21-22	0	0.00	23	0.74	1	1.00	24	0.75
	23+	0	0.00	11	0.82	0	0.00	11	0.82
	TOTAL	1	1.00	169	0.81	1	1.00	171	0.81
MG4BC	17-18	0	0.00	1	1.00	0	0.00	1	1.00
	19-20	0	0.00	3	0.67	0	0.00	3	0.67
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	4	0.75	0	0.00	4	0.75
MG5	17-18	0	0.00	3	0.67	0	0.00	3	0.67
	19-20	0	0.00	1	1.00	0	0.00	1	1.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	4	0.75	0	0.00	4	0.75
TOTAL	17-18	70	0.83	181	0.85	31	0.84	282	0.84
	19-20	15	0.67	272	0.85	21	0.71	308	0.83
	21-22	4	0.75	95	0.82	16	0.56	115	0.78
	23+	2	1.00	102	0.82	12	0.75	116	0.82
	TOTAL	91	0.80	650	0.84	80	0.74	821	0.83

ATP RECRUIT SURVIVORS
(ENTRY TYPE: DELAYED ENTRY PROGRAM)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	1	1.00	8	1.00	0	0.00	9	1.00
	19-20	0	0.00	12	1.00	2	1.00	14	1.00
	21-22	0	0.00	7	1.00	0	0.00	7	1.00
	23+	0	0.00	9	1.00	0	0.00	9	1.00
	TOTAL	1	1.00	36	1.00	2	1.00	39	1.00
MG2	17-18	27	0.85	182	0.93	9	1.00	218	0.93
	19-20	11	0.82	221	0.94	7	1.00	239	0.94
	21-22	3	0.67	92	0.97	8	0.75	103	0.94
	23+	1	0.00	77	0.92	4	0.50	82	0.89
	TOTAL	42	0.81	572	0.94	28	0.86	642	0.93
MG3U	17-18	33	0.76	347	0.93	17	0.88	397	0.91
	19-20	16	0.94	284	0.89	20	0.75	320	0.88
	21-22	0	0.00	70	0.96	4	0.75	74	0.95
	23+	0	0.00	65	0.88	7	0.57	72	0.85
	TOTAL	49	0.82	766	0.91	48	0.77	863	0.90
MG3L	17-18	4	0.50	860	0.91	0	0.00	864	0.91
	19-20	0	0.00	757	0.88	2	1.00	759	0.88
	21-22	0	0.00	169	0.87	4	0.75	173	0.87
	23+	0	0.00	122	0.80	0	0.00	122	0.80
	TOTAL	4	0.50	1908	0.89	6	0.83	1918	0.89
MG4A	17-18	2	1.00	364	0.84	1	1.00	367	0.84
	19-20	0	0.00	337	0.85	1	1.00	338	0.86
	21-22	0	0.00	77	0.88	1	1.00	78	0.88
	23+	0	0.00	43	0.93	0	0.00	43	0.93
	TOTAL	2	1.00	821	0.86	3	1.00	826	0.86
MG4BC	17-18	0	0.00	19	1.00	0	0.00	19	1.00
	19-20	0	0.00	63	0.83	1	1.00	64	0.83
	21-22	0	0.00	11	0.73	0	0.00	11	0.73
	23+	0	0.00	7	1.00	0	0.00	7	1.00
	TOTAL	0	0.00	100	0.86	1	1.00	101	0.86
MG5	17-18	1	1.00	2	1.00	0	0.00	3	1.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	1	1.00	2	1.00	0	0.00	3	1.00
TOTAL	17-18	68	0.79	1782	0.91	27	0.93	1877	0.90
	19-20	27	0.89	1674	0.88	33	0.85	1734	0.88
	21-22	3	0.67	426	0.91	17	0.76	446	0.90
	23+	1	0.00	323	0.87	11	0.55	335	0.86
	TOTAL	99	0.81	4205	0.89	88	0.82	4392	0.89

SF(GENDET) RECRUIT SURVIVORS
(ENTRY TYPE: SHIPPED WITHIN MONTH)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	3	0.67	6	0.67	0	0.00	9	0.67
	19-20	0	0.00	7	0.71	1	0.00	8	0.63
	21-22	0	0.00	6	1.00	1	0.00	7	0.86
	23+	2	0.00	22	0.95	1	1.00	25	0.88
	TOTAL	5	0.40	41	0.88	3	0.33	49	0.80
MG2	17-18	88	0.86	129	0.89	38	0.82	255	0.87
	19-20	34	0.82	201	0.91	40	0.78	275	0.88
	21-22	11	0.91	119	0.87	21	0.81	151	0.86
	23+	8	0.75	144	0.84	17	0.71	169	0.82
	TOTAL	141	0.85	593	0.88	116	0.78	850	0.86
MG3U	17-18	206	0.72	207	0.84	69	0.86	482	0.79
	19-20	55	0.80	260	0.86	75	0.72	390	0.83
	21-22	0	0.00	112	0.81	34	0.71	146	0.79
	23+	3	0.33	120	0.78	28	0.79	151	0.77
	TOTAL	264	0.73	699	0.83	206	0.77	1169	0.80
MG3L	17-18	3	1.00	327	0.87	2	1.00	332	0.87
	19-20	1	1.00	441	0.84	6	1.00	448	0.84
	21-22	0	0.00	165	0.89	2	1.00	167	0.89
	23+	0	0.00	158	0.74	2	1.00	160	0.74
	TOTAL	4	1.00	1091	0.84	12	1.00	1107	0.85
MG4A	17-18	0	0.00	223	0.85	0	0.00	223	0.85
	19-20	0	0.00	411	0.83	0	0.00	411	0.83
	21-22	0	0.00	119	0.76	0	0.00	119	0.76
	23+	0	0.00	82	0.76	0	0.00	82	0.76
	TOTAL	0	0.00	835	0.82	0	0.00	835	0.82
MG4BC	17-18	0	0.00	3	1.00	0	0.00	3	1.00
	19-20	0	0.00	6	0.83	0	0.00	6	0.83
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	9	0.89	0	0.00	9	0.89
MG5	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	4	0.75	0	0.00	4	0.75
	21-22	0	0.00	3	1.00	0	0.00	3	1.00
	23+	0	0.00	4	0.75	0	0.00	4	0.75
	TOTAL	0	0.00	11	0.82	0	0.00	11	0.82
TOTAL	17-18	300	0.77	895	0.86	109	0.84	1304	0.84
	19-20	90	0.81	1330	0.85	122	0.75	1542	0.84
	21-22	11	0.91	524	0.84	58	0.74	593	0.83
	23+	13	0.54	530	0.79	48	0.77	591	0.78
	TOTAL	414	0.77	3279	0.84	337	0.78	4030	0.83

SF(GENDET) RECRUIT SURVIVORS
(ENTRY TYPE: DELAYED ENTRY PROGRAM)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	5	1.00	18	1.00	1	1.00	24	1.00
	19-20	0	0.00	41	0.93	0	0.00	41	0.93
	21-22	0	0.00	28	0.79	2	1.00	30	0.80
	23+	1	0.00	61	0.89	1	1.00	63	0.87
	TOTAL	6	0.83	148	0.89	4	1.00	158	0.89
MG2	17-18	164	0.84	696	0.93	52	0.77	912	0.91
	19-20	66	0.82	870	0.89	70	0.74	1006	0.88
	21-22	19	0.89	386	0.92	49	0.88	454	0.91
	23+	13	0.92	414	0.88	28	0.96	455	0.89
	TOTAL	262	0.84	2366	0.91	199	0.81	2827	0.89
MG3U	17-18	248	0.73	953	0.90	79	0.73	1280	0.86
	19-20	89	0.78	922	0.89	101	0.84	1112	0.88
	21-22	1	0.00	359	0.88	63	0.73	423	0.85
	23+	1	1.00	345	0.86	44	0.80	390	0.85
	TOTAL	339	0.74	2579	0.89	287	0.78	3205	0.86
MG3L	17-18	2	1.00	1667	0.88	5	1.00	1674	0.88
	19-20	3	1.00	1968	0.88	11	0.64	1982	0.88
	21-22	1	0.00	541	0.88	6	0.83	548	0.88
	23+	0	0.00	466	0.82	4	1.00	470	0.82
	TOTAL	6	0.83	4642	0.87	26	0.81	4674	0.87
MG4A	17-18	0	0.00	955	0.85	1	1.00	956	0.85
	19-20	0	0.00	1236	0.82	3	1.00	1239	0.82
	21-22	0	0.00	326	0.82	3	1.00	329	0.82
	23+	0	0.00	220	0.80	1	1.00	221	0.81
	TOTAL	0	0.00	2737	0.83	8	1.00	2745	0.83
MG4BC	17-18	0	0.00	56	0.75	0	0.00	56	0.75
	19-20	0	0.00	117	0.74	0	0.00	117	0.74
	21-22	0	0.00	30	0.83	0	0.00	30	0.83
	23+	0	0.00	11	0.73	0	0.00	11	0.73
	TOTAL	0	0.00	214	0.75	0	0.00	214	0.75
MG5	17-18	0	0.00	4	0.75	0	0.00	4	0.75
	19-20	0	0.00	8	0.50	0	0.00	8	0.50
	21-22	0	0.00	3	0.33	0	0.00	3	0.33
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	15	0.53	0	0.00	15	0.53
TOTAL	17-18	419	0.78	4349	0.88	138	0.76	4906	0.87
	19-20	158	0.80	5162	0.87	185	0.79	5505	0.86
	21-22	21	0.81	1673	0.87	123	0.80	1817	0.87
	23+	15	0.87	1517	0.85	78	0.87	1610	0.85
	TOTAL	613	0.79	12701	0.87	524	0.80	13838	0.87

SF(RATED) RECRUIT SURVIVORS
(ENTRY TYPE: SHIPPED WITHIN MONTH)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	1	1.00	1	1.00
	21-22	0	0.00	2	1.00	0	0.00	2	1.00
	23+	0	0.00	3	1.00	0	0.00	3	1.00
	TOTAL	0	0.00	5	1.00	1	1.00	6	1.00
MG2	17-18	9	1.00	13	1.00	7	1.00	29	1.00
	19-20	2	1.00	28	0.93	6	1.00	36	0.94
	21-22	0	0.00	15	0.93	2	1.00	17	0.94
	23+	1	1.00	23	1.00	3	1.00	27	1.00
	TOTAL	12	1.00	79	0.96	18	1.00	109	0.97
MG3U	17-18	10	1.00	8	1.00	4	1.00	22	1.00
	19-20	2	1.00	9	1.00	7	1.00	18	1.00
	21-22	0	0.00	11	1.00	3	1.00	14	1.00
	23+	0	0.00	11	1.00	2	1.00	13	1.00
	TOTAL	12	1.00	39	1.00	16	1.00	67	1.00
MG3L	17-18	0	0.00	16	1.00	0	0.00	16	1.00
	19-20	1	1.00	17	1.00	0	0.00	18	1.00
	21-22	0	0.00	6	1.00	0	0.00	6	1.00
	23+	0	0.00	12	1.00	0	0.00	12	1.00
	TOTAL	1	1.00	51	1.00	0	0.00	52	1.00
MG4A	17-18	0	0.00	9	1.00	0	0.00	9	1.00
	19-20	0	0.00	9	1.00	0	0.00	9	1.00
	21-22	0	0.00	2	1.00	0	0.00	2	1.00
	23+	0	0.00	3	1.00	0	0.00	3	1.00
	TOTAL	0	0.00	23	1.00	0	0.00	23	1.00
MG4BC	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	0	0.00	0	0.00	0	0.00
MG5	17-18	0	0.00	1	1.00	0	0.00	1	1.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	1	1.00	0	0.00	1	1.00
TOTAL	17-18	19	1.00	47	1.00	11	1.00	77	1.00
	19-20	5	1.00	63	0.97	14	1.00	82	0.98
	21-22	0	0.00	36	0.97	5	1.00	41	0.98
	23+	1	1.00	52	1.00	5	1.00	58	1.00
	TOTAL	25	1.00	198	0.98	35	1.00	258	0.99

SF(RATED) RECRUIT SURVIVORS
(ENTRY TYPE: DELAYED ENTRY PROGRAM)

		GED		HSDG		NON-GRAD		TOTAL	
MG1	17-18	1	0.00	0	0.00	1	1.00	2	0.50
	19-20	0	0.00	7	0.86	0	0.00	7	0.86
	21-22	0	0.00	2	1.00	0	0.00	2	1.00
	23+	0	0.00	6	0.83	0	0.00	6	0.83
	TOTAL	1	0.00	15	0.87	1	1.00	17	0.82
MG2	17-18	15	0.60	54	0.94	6	0.83	75	0.87
	19-20	4	0.75	66	0.82	7	0.71	77	0.81
	21-22	2	1.00	26	0.88	2	1.00	30	0.90
	23+	2	0.50	71	0.89	2	0.50	75	0.87
	TOTAL	23	0.65	217	0.88	17	0.76	257	0.85
MG3U	17-18	18	0.61	59	0.88	9	0.22	86	0.76
	19-20	7	0.57	61	0.85	4	0.50	72	0.81
	21-22	0	0.00	21	0.81	4	1.00	25	0.84
	23+	0	0.00	31	0.90	3	0.33	34	0.85
	TOTAL	25	0.60	172	0.87	20	0.45	217	0.80
MG3L	17-18	14	0.79	60	0.90	6	0.67	80	0.86
	19-20	5	1.00	64	0.80	11	0.55	80	0.78
	21-22	0	0.00	25	0.72	3	1.00	28	0.75
	23+	0	0.00	25	0.88	3	1.00	28	0.89
	TOTAL	19	0.84	174	0.83	23	0.70	216	0.82
MG4A	17-18	0	0.00	39	0.87	0	0.00	39	0.87
	19-20	0	0.00	42	0.88	0	0.00	42	0.88
	21-22	0	0.00	9	0.78	0	0.00	9	0.78
	23+	0	0.00	13	0.77	1	1.00	14	0.79
	TOTAL	0	0.00	103	0.85	1	1.00	104	0.86
MG4BC	17-18	1	0.00	13	0.77	0	0.00	14	0.71
	19-20	0	0.00	15	1.00	0	0.00	15	1.00
	21-22	0	0.00	4	0.50	0	0.00	4	0.50
	23+	0	0.00	1	1.00	0	0.00	1	1.00
	TOTAL	1	0.00	33	0.85	0	0.00	34	0.82
MG5	17-18	0	0.00	0	0.00	0	0.00	0	0.00
	19-20	0	0.00	0	0.00	0	0.00	0	0.00
	21-22	0	0.00	0	0.00	0	0.00	0	0.00
	23+	0	0.00	0	0.00	0	0.00	0	0.00
	TOTAL	0	0.00	0	0.00	0	0.00	0	0.00
TOTAL	17-18	49	0.63	225	0.89	22	0.55	296	0.82
	19-20	16	0.75	255	0.84	22	0.59	293	0.82
	21-22	2	1.00	87	0.79	9	1.00	98	0.82
	23+	2	0.50	147	0.88	9	0.67	158	0.86
	TOTAL	69	0.67	714	0.86	62	0.65	845	0.83

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