DRAFT WEIGHTING REPORT
FOR THE

2000 MILITARY EXIT SURVEY

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Acknowledgments

THE 2000 MILITARY EXIT SURVEY AND 2000 INFORMATION SERVICES SURVEY : STATISTICAL METHODOLOGY REPORT

Executive Summary

This report describes the sampling design, the missing data compensation procedures used for the *2000 Military Exit Survey (MES)*, and estimation procedures required for analysis of the weighted data. This report provides statistical background information for the survey population and a description of the weighting methods.

The population of inferential interest for the *MES* consisted of all members of the Armed Forces who are voluntarily discharged or separated from the Armed Forces or transfer from a regular component to a Reserve component between 1 April and 30 September 2000. The main purpose of the congressionally-mandated survey was to collect information on Service members' attitudes and opinions on the following topics: reasons for leaving military service, command climate, leadership, pay and benefits, job satisfaction, plans after separation, affiliation with a Reserve component, and other matters as determined by the Secretary of Defense.

The Defense Manpower Data Center (DMDC) developed the questionnaire and distributed it to all separation/transfer points designated by the four Department of Defense (DoD) Services. In July, the Coast Guard began distribution of the questionnaire at their outprocessing centers. During outprocessing, Service members received a survey and business reply envelope.

The eligible sample for the *MES* consists of approximately 81,000 military members who left the military voluntarily and received an honorable discharge between April 1 and September 30, 2000 (however, based on self-report data collected on the survey this number was later estimated to be approximately 86,000—RICH I DON'T UNDERSTAND THIS NOTE). Note that the survey was not a specific survey of those who officially transitioned between April 1 through September 30; rather the data represents those who out-processed between April 1 through September 30. Consequently those who outprocessed during this period but did not officially transition at this time were designated as eligible. An exact accounting of members who actually transitioned during this period was not possible from the DoD records stored on the DMDC active duty transaction files for FY2000, because:

1. Information on which population members had waivers for ineligible separation codes was unknown.

2. Records and revisions submitted by the Services will continue to trickle in over a six month period (the submissions from the Services for September 2000 were not sufficiently complete to support the construction of survey weights until mid February 2001).

3. Although survey administration was from April through September, 2000, some military members separating during this time period had gone through outprocessing prior to April 1, the beginning of the survey fielding period, and consequently would not have received a

survey. Other military members outprocessing during this period would not officially separate until after September 30, the close of the fielding period. These members would have received a questionnaire.

4. Social security numbers (SSNs) used to match responses back to the population file were not available for 7,386 respondents. Social security numbers did not match the population file for 1,858 respondents.

5. In some demographic groups (i.e., three non-response cells) there were insufficient population file counts to account for the responses with missing SSN's or non-matching SSN's. This calls into question the assumption that the April 1, 2000 to September 30, 2000 population counts of separations are truly representative of those members who visited the separation sites between April 1, 2000 to September 30, 2000.

In order to compute response rates used for making non-response adjustments the population counts needed to be reduced in an amount equal to the number of responses that did not match SSN's on the population file (2,415 SSN's did not match, and 9,570 responses did not report a SSN). This was achieved by identifying 11,985 pseudo duplicate records in the population file which were demographically similar to the 11,985 non-matching responses. Demographic similarity was achieved by making the deletions within non-response adjustment cells.

Weighting methods consisted of a single non-response adjustment that also served to post-stratify the weights. Since the survey was actually a census, a model-based approach is being taken to analysis where it is assumed that the responses within non-response cells are considered to be random samples of separatees. NEEDS CLARIFICATION

The standard DMDC practice of producing eligibility adjusted CASRO response rates did not apply to the MES data since ineligible responses and population members were considered to as a distinct survey population. The MES dataset is being prepared and documented for the potential analysis of the numerous self-report ineligible responses (4,375 not-voluntary-honorable responses). The non-response adjustment cells stratify the responses and population according to three distinct eligibility groups: voluntary-honorable, not-voluntary-honorable, and reenlister. This approach was taken because: (a) there were a large number of ineligibles on the administrative record who self-reported eligibility (1,060), (b) there were a large number of self-report ineligible responses (4,375), and (c) the response rates of the eligible and ineligible populations were significantly different. Two sets of response rates are computed, one giving priority to administrative record information with is used for weighting, and one giving priority to self-report information that is reflective of the analysis and presentation of the survey results. Both of these sets of response rates have built-in eligibility adjustments resulting from the removal of the pseudo duplicates from the population file.

Table of Contents

List of Tables

MES Population Definition

The MES population file is based on the Loss/Transaction file records occurring between April and September 2000. The population file counts for survey eligibility status by separation category are shown in Table 1. Records which could be definitively classified as ineligible were considered ineligible. Records with an uncertain eligibility status were considered eligible (i.e., waiverable, training, and Reserve codes).

Table 1.
Population File Counts for Survey Eligibility by Separation Category From the April to September 2000 Loss File

Eligibility	Separation Category	Count
Ineligible	Ineligible Death	299
	Ineligible For Reenlistment	18,372
	Ineligible Not Voluntary	26,490
	Ineligible Not Honorable	4,132
	Immediate Reenlistment	77,001
	Total Ineligible	126,294
Eligible	Waiverable For Reenlistment	10,068
	Active For Training	13
	ANG and USAFR Codes	11,350
	Voluntary Honorable	60,492
	Total Eligible	81,923
Total		208,217

Table 2.
Population by Month and Service

Month, 2000	Service					
	Army	Navy	Marines	Air Force	Coast Guard	Total
April	20,426	6,139	3,032	5,773	1,881	37,251
May	12,290	7,939	3,309	5,920	1,415	30,873
June	13,829	9,185	4,358	6,567	1,291	35,230
July	12,986	8,491	4,014	7,843	1,134	34,468
August	15,208	8,359	4,547	8,898	985	37,997
September	15,121	6,244	3,022	7,466	545	32,398
Total	89,860	46,357	22,282	42,467	7,251	208,217

RICH--WILL THE CG PERCENTAGES FOR APRIL-JUNE BE CHANGED TO 0 SINCE THE CG WAS NOT PART OF THE POPULATION DURING THAT TIME? (NECESSITATING A CHANGE IN THE POPULATION N)

Table 3.
Stratifiers

Stratifier	Domain	Count	%
Service	1 Army	89,860	43
	2 Navy	46,357	22
	3 USMC	22,282	11
	4 USAF	42,467	20
	5 USCG	7,251	3
Pay Group	1 E1-E3	45,789	22
	2 E4+Unk	61,715	30
	3 E5-E9	88,605	43
	4 Officer	12,108	6
Years Of Service	1 0-5_Years+Unk	107,479	52
	2 6-10_Years	38,972	19
	3 11-19_Years	39,081	19
	4 20+_Years	22,685	11
Gender	1 Male+Unk	177,221	85
	2 Female	30,996	15
Education	1 High_school_or_less	131,531	63
	2 Some_college+Unk	59,072	28
	3 4-year_degree_or_more	17,614	8
Total		208,217	100

MES Missing Data Compensation Procedures

Weighting of the survey involved a couple of stages that take into account the sample design and the response rates achieved in the survey. The two steps to be used in weighting are:

- Adjustments for ineligibility and responses without matching SSNs;

- Adjustments for nonresponse among eligible and ineligible sample persons

When the population files became available on February 22, 2001 the 20,784 survey responses were matched to the population file and 12 response categories were sequentially constructed. See response category counts in Table below. The raw population categories and counts before the population and response files were merged are shown in Table 5.

Table 4.
Response Categories and Counts

Response Category	Count
Ineligible, self-report not eligible for reenlistment	3,307
Ineligible, self-report not voluntary	1,025
Ineligible, self-report not honorable	43
Incomplete return assumed voluntary-honorable	174
Ineligible on administrative record, not eligible for reenlistment	535
Ineligible on administrative, record not voluntary	115
Ineligible on administrative record, not honorable	335
Ineligible on administrative record, immediate reenlistment	75
Possibly ineligible on administrative record, assumed voluntary-honorable	920
Self-report SSN not on popfile, assumed voluntary-honorable	1,881
Voluntary-honorable with self-report SSN	4,963
Voluntary-honorable without self-report SSN	7,411
Totals	20,784

Table 5.
Raw Population Separation Categories and Counts

Population Category	Count
Death	299
Ineligible for reenlistment	18,372
Not voluntary	26,490
Not honorable	4,132
Immediate reenlistment	77,001
Waiverable reenlistment	10,068
Active duty for training	13
Air National Guard / U.S Air Force Reserves	11,350
Voluntary honorable	60,492
Total	208,217

The combined population and response files only matched on 8,799 of the returns. In order to account for the 11,985 non-matching returns, so called 'pseudo duplicates' were removed from the population file. Pseudo duplicates were identified after all of the response and population records were sorted into the cells used for non-response adjustment. Then, within these cells, one record was deleted from the population for every non-matching response. This

deduplicating process took into account the rate at which self-report eligible responses were found to be ineligible on the population file for those responses that matched the population file. However, this deduplicating could not be accomplished for 19 of the non-matching responses when there was insufficient population counts. Table 6 shows the population count of 207,937 that was used as the basis for weighting. This table shows the counts for the population and response files along with decrements from the combined count resulting from: pseudo duplicates, duplicate responses, matching responses, and separations due to death. Initially, the intent of the survey was to only administer the survey to separatees who had voluntary-honorable separations.

Table 6.
Combined Population and Response File Totals and Survey Population Total

File	Decrements	Counts
Population		208,217
	Pseudo Dups	-11,966
Returns		20,796
	Dups	-12
	SSN Matches	-8,799
Combined File Total		208,236
	Deaths	-299
Survey Population Total		207,937

After merging the population and response files, population counts needed to be reduced in an amount equal to the number of responses that did not match SSNs on the population file (2,415 SSN's did not match, and 9,570 responses did not report a SSN).   This was achieved by identifying 11,985 pseudo duplicate records in the population file which were demographically similar to the 11,985 non-matching responses. Demographic similarity was achieved by making the deletions within non-response adjustment cells.

Deletions were made from the eligible (i.e., voluntary-honorable) and ineligible (i.e., not-voluntary-honorable, reenlister) populations based on the counts of self-reported eligibles and ineligibles among the non-matching response. The ineligible count was increased and the eligible count was decreased at the rate that administrative record ineligibles were found among self-report eligible responses that matched the population file. Self-report voluntary-honorable were found on the administrative record to be not-voluntary-honorable in 14% of the cases, and were found to be reenlisters in 1% of the cases. Adjustments did not have to be made in the other direction because all respondents who positively declared that they were not-voluntary-honorable had an administrative record which also indicated they were not-voluntary-honorable.. These deletions were achieved for all but 19 non-matching responses.

After the population files had been merged and deduplicated the response categories shown in Table 7 resulted. Note that the response counts remain the same but the non-response counts are reduced. Categories 2, 3, & 4 represent the non-voluntary-honorable non-respondents.

Category 5 represents the reenlistment non-respondents.   A response is indicated when the response category is one of the following: 8, 9, 10, 13, 14, 15, 16, 17, 18, 19, 20. The 299 deaths are excluded from the weighting procedures, but kept on the weighting file.

Table 7.
Response Categories and Counts for the Combined Population and Response File

Response Category	
1 Ineligible death	299
2 NResp AdminR not eligible for reenlistment	15,461
3 NResp AdminR not voluntary	24,081
4 NResp AdminR not honorable	3,368
5 NResp AdminR immediate reenlistment	76,823
6 NResp VOL-HON ASSUMED: gray AdminR situations	18,516
7 NResp VOL-HON	48,904
8 Resp SelfR not eligible for reenlistment	3,307
9 Resp SelfR not voluntary	1,025
10 Resp SelfR not honorable	43
11 NResp VOL-HON ASSUMED: Incomplete return < .5	174
13 Resp AdminR not eligible for reenlistment	535
14 Resp AdminR not voluntary	115
15 Resp AdminR not honorable	335
16 Resp AdminR immediate reenlistment	75
17 Resp VOL-HON ASSUMED: gray situations	920
18 Resp VOL-HON ASSUMED: SRSSN not on popfile	1,881
19 Resp VOL-HON with SRSSN	4,963
20 Resp VOL-HON w/0 SRSSN	7,411
Total	208,236

Weights were generated as the inverse of the probability of response within 102 non-response cells/weighting classes. The weights will reflect response propensities that adjust for differential response rates among demographic subgroups of the population. Weighting class procedures will be used to adjust for nonresponse. This form of adjustment is referred to as weighting class adjustments since it adjusts the weighted distribution of the respondents across the weighting classes to that of the total sample (Kalton and Kasprzyk, 1989).

The drawback to nonresponse adjustment is that it increases the variability of the weights and thus increases the sampling variance (Kish, 1992). A nonresponse adjustment is beneficial only when the reduction in bias more than compensates for the increase in variance. When the cells contain sufficient cases and the adjustment factors do not become inordinately large, the effect on variances is often modest. Very large adjustment factors can occur in cells with high nonresponse rates or small numbers of respondents. To avoid the second situation, cells were

created with a minimum of 25 cases when ever possible (Kish, 1965, p. 10, recommends that the cells be no smaller than 10).

Construction of weighting classes. The main objective in constructing weighting classes is to put respondents and nonrespondents having similar characteristics into the same cells. Ideally, the characteristics should be related to both the likelihood of responding to the survey and to values of survey measures. Based on previous research done at DMDC six stratifiers were considered due to their administrative, non-response, and survey content importance. In addition stratifiers were chosen to maximize agreement between the self-report and administrative record data. Table 8. Shows the variables used for stratification and the sources for that data. Due to the large number of responses that did not match the administrative record data (11,985) it was often necessary to use self-report information when constructing the stratifiers.

Table 8.
Variables Used In Stratification/The Creation of Weighting Classes

Variable	Source		Coding/Comments/Questions
	Active Duty Military Loss File	Survey	
Service (CWSVC)	SVC_BR_CFN_CD	ME001	1 = Army 2 = Navy 3 = Marine Corps 4 = Air Force 5 = Coast Guard
Paygrade	USVC_PG_CD	ME002	1 = Enlisted grade E1-E3 2 = Enlisted grade E4-E9 3 = Officer
Situation (Sep_G3C)	MSVC_CHAR_CD LOSS_CAT_CD ISVC_SEP_CD REENL_ELIG_CD	ME005 ME006 ME007	1 = Voluntary-Honorable 2 = Not Voluntary-Honorable 3 = Reenlister
Gender	PN_SEX_CD	ME011	1 = Male, 2 = Female
RETH	RACE_ETH_CD	ME012 ME013	1 = Non-Hispanic Black 2 = Other
YOS	AFMS_YR_QY	ME023	1 = 0-5 years 2 = 6-10 years 3 = 11-19 years 4 = 20+ years

Agreement between the self-report and administrative record data for separation situation was only 80%, however agreement on the remaining stratifiers reached 95%.. Since the disagreement between self-report and administrative data was substantial for separation situation, the analysis of voluntary-honorable responses includes many responses which were stratified as

not-voluntary-honorable (ELIGFLGW is used to identify the self-report voluntary-honorable separatees). Reenlisters were placed in separate strata from the other separation categories because the response rates for reenlisters were very low (reenlisters were not in the target population).

When all of the stratifiers were crossed there were many cells that had less than the desired 25 responses, so merging of cells was necessary. Services were never merged with another Service. Merging first occurred among pay groups until all pay groups had at least 25 complete responses and officer and enlisted ranks remained distinct (the minimum cell size was not always achieved with the USCG and reenlisters). After the merged pay group groupings had been determined, years of service groupings were created. Next, race-ethnicity groupings were determined, and finally, gender groupings were determined. This was accomplished by creating a frequency table containing a crossing of the six stratifiers and then merging cells as necessary.

A response rate analysis was not performed on the dataset prior to creation of the non-response adjustment cells. However, response rates were assessed. See Table 9 which shows response rates for the stratification variables.

Table 9.
Administrative Record Priority Response Rates For Separation Groups and Stratification Variables

Stratification variable and levels		Separation Group								
		Voluntary-Honorable			Not-voluntary-honorable			Reenlister		
		Pop	Resp	%	Pop	Resp	%	Pop	Resp	%
Total		82,769	15,175	18%	48,270	5,360	11%	76,898	75	0%
Service	Army	33,948	8,611	25%	23,871	3,963	17%	31,953	35	0%
	Navy	17,852	2,632	15%	10,810	551	5%	17,628	15	0%
	USMC	11,034	2,314	21%	6,691	402	6%	4,483	17	0%
	USAF	17,432	1,538	9%	6,211	431	7%	18,773	5	0%
	USCG	2,503	80	3%	687	13	2%	4,061	3	0%
Pay Group	E1-E3	15,768	993	6%	27,881	1,141	4%	2,036	3	0%
	E4-E9+Unk	55,731	12,020	22%	19,550	4,029	21%	74,862	72	0%
	Officer	11,270	2,162	19%	839	190	23%	.	.	.
Years of Service	0-5_Years	44,795	9,753	22%	36,837	2,530	7%	25,411	50	0%
	6-10_Years	15,808	2,736	17%	4,430	998	23%	18,882	8	0%
	11-19_Years	7,885	720	9%	2,259	454	20%	28,876	7	0%
	20+_Years	14,281	1,966	14%	4,744	1,378	29%	3,729	10	0%
Race-ethnicity	NH_Black	14,173	2,055	14%	10,798	1,174	11%	19,923	16	0%
	Hispanic/Other/Unknown	68,596	13,120	19%	37,472	4,186	11%	56,975	59	0%
Gender	Male	70,586	12,953	18%	40,110	4,344	11%	66,290	69	0%
	Female	12,183	2,222	18%	8,160	1,016	12%	10,608	6	0%

RICH—SUGGEST CHANGING "%" COLUMN HEADING TO "RESPONSE RATE" IN THIS TABLE AND TABLE11

Based on the weighting class stratifiers (Table 8), 102 non-response adjustment cells were created. This goal of 25 responses per cell was achieved in 94 of the cells. Smaller cell sizes were accepted in some cases when the merging of officers and enlisted or Services would be required to create larger cells. See Appendix A for a complete listing of the non-response adjustment cell counts, response rates and weights. Table 10 below shows summary statistics for the final weight (FINALWGT).

Table 10.
Final Weight Summary Statistics for Dataset Segments and Self-Report Separation Groups

Response Flag		Summary Statistics				
		n	Min	Max	CV	Sum
Non-response		187,327	0	0	.	0
Response Weighted		20,610	1	3,755	778	207,937
Eligibility Flag	**Self-Report Separation Group**					
Eligible Weighted	Voluntary-Honorable	16,032	1	80	106	88,512
Ineligible Weighted	Not-Voluntary-Honorable	4,503	2	80	127	42,527
	Reenlister	75	264	3,755	79	76,898
Unweighted Non-response	Voluntary-Honorable	67,594	0	0	.	0
	Not-Voluntary-Honorable	42,910	0	0	.	0
	Reenlister	76,823	0	0	.	0

Poststratification Adjustment

A poststratification was planned for the weighting. However, since the non-response adjustments were made to population totals and the weighting class cells included the desired cells for poststratification, poststratification was unnecessary.

Self Report Priority Response Rate

Self-report information was used for determining to which separation group a respondent belonged, based on the assumption that the respondent was more likely to know the details of their separation situation than reflected in the administrative record. Giving self-report information priority over the administrative record data was deemed appropriate whenever the self-report information was not missing or ambiguous. Table 11 below shows the Self-Report Priority Separation Group Response Rates for Stratification Variables.

Table 11.

Self-Report Priority Response Rates for Separation Groups Stratification Variables

Stratification variable and levels		Self-Report Priority Separation Group								
		Voluntary-Honorable			Not-voluntary-honorable			Reenlister		
		Pop	Resp	%	Pop	Resp	%	Pop	Resp	%
Total		83,736	16,142	19%	47,303	4,393	9%	76,898	75	0%
Service	Army	34,754	9,417	27%	23,065	3,157	14%	31,953	35	0%
	Navy	17,948	2,728	15%	10,714	455	4%	17,628	15	0%
	USMC	11,091	2,371	21%	6,634	345	5%	4,483	17	0%
	USAF	17,440	1,546	9%	6,203	423	7%	18,773	5	0%
	USCG	2,503	80	3%	687	13	2%	4,061	3	0%
Pay Group	E1-E3	15,854	1,079	7%	27,795	1,055	4%	2,036	3	0%
	E4-E9+Unk	56,594	12,883	23%	18,687	3,166	17%	74,862	72	0%
	Officer	11,288	2,180	19%	821	172	21%	.	.	.
Years of Service	0-5_Years	45,251	10,209	23%	36,381	2,074	6%	25,411	50	0%
	6-10_Years	15,940	2,868	18%	4,298	866	20%	18,882	8	0%
	11-19_Years	7,917	752	9%	2,227	422	19%	28,876	7	0%
	20+_Years	14,628	2,313	16%	4,397	1,031	23%	3,729	10	0%
Race-ethnicity	NH_Black	14,365	2,247	16%	10,606	982	9%	19,923	16	0%
	Hispanic/Other/Unknown	69,371	13,895	20%	36,697	3,411	9%	56,975	59	0%
Gender	Male	71,443	13,810	19%	39,253	3,487	9%	66,290	69	0%
	Female	12,293	2,332	19%	8,050	906	11%	10,608	6	0%

Appendix

A. *Non-response Adjustment Cells / Variance Estimation Cells*

#	Separation Category	Service	Pay group	Years of Service	Race-ethnicity	Gender	Population	Response	Response Rate	Stratum Weight
1	Vol-Hon	Army	E1-E3	AllYOS	NH_Black	Male	3047	61	2%	49.951
2	Vol-Hon	Army	E1-E3	AllYOS	NH_Black	Female	520	52	10%	10.000
3	Vol-Hon	Army	E1-E3	AllYOS	OtherRaces	Male	7054	268	4%	26.321
4	Vol-Hon	Army	E1-E3	AllYOS	OtherRaces	Female	879	111	13%	7.919
5	Vol-Hon	Army	E4-E9	0-5YOS	NH_Black	Male	1404	521	37%	2.695
6	Vol-Hon	Army	E4-E9	0-5YOS	NH_Black	Female	620	179	29%	3.464
7	Vol-Hon	Army	E4-E9	0-5YOS	OtherRaces	Male	7834	3311	42%	2.366
8	Vol-Hon	Army	E4-E9	0-5YOS	OtherRaces	Female	1320	524	40%	2.519
9	Vol-Hon	Army	E4-E9	6-10YOS	NH_Black	Male	780	167	21%	4.671
10	Vol-Hon	Army	E4-E9	6-10YOS	NH_Black	Female	313	79	25%	3.962
11	Vol-Hon	Army	E4-E9	6-10YOS	OtherRaces	Male	3000	941	31%	3.188
12	Vol-Hon	Army	E4-E9	6-10YOS	OtherRaces	Female	392	104	27%	3.769
13	Vol-Hon	Army	E4-E9	11-19YOS	NH_Black	AllGender	633	84	13%	7.536
14	Vol-Hon	Army	E4-E9	11-19YOS	OtherRaces	AllGender	1221	230	19%	5.309
15	Vol-Hon	Army	E4-E9	20+YOS	NH_Black	Male	385	139	36%	2.770
16	Vol-Hon	Army	E4-E9	20+YOS	NH_Black	Female	70	43	61%	1.628
17	Vol-Hon	Army	E4-E9	20+YOS	OtherRaces	Male	749	368	49%	2.035
18	Vol-Hon	Army	E4-E9	20+YOS	OtherRaces	Female	50	32	64%	1.563
19	Vol-Hon	Army	Officer	0-5YOS	NH_Black	AllGender	60	30	50%	2.000
20	Vol-Hon	Army	Officer	0-5YOS	OtherRaces	Male	1050	382	36%	2.749
21	Vol-Hon	Army	Officer	0-5YOS	OtherRaces	Female	244	83	34%	2.940
22	Vol-Hon	Army	Officer	6-10YOS	AllRaces	Male	676	233	34%	2.901
23	Vol-Hon	Army	Officer	6-10YOS	AllRaces	Female	126	47	37%	2.681
24	Vol-Hon	Army	Officer	11-19YOS	AllRaces	AllGender	269	90	33%	2.989
25	Vol-Hon	Army	Officer	20+YOS	NH_Black	AllGender	68	28	41%	2.429
26	Vol-Hon	Army	Officer	20+YOS	OtherRaces	Male	1113	469	42%	2.373
27	Vol-Hon	Army	Officer	20+YOS	OtherRaces	Female	71	35	49%	2.029

28	Vol-Hon	Navy	E1-E3	AllYOS	NH_Black	AllGender	508	38	7%	13.368
29	Vol-Hon	Navy	E1-E3	AllYOS	OtherRaces	Male	1175	137	12%	8.577
30	Vol-Hon	Navy	E1-E3	AllYOS	OtherRaces	Female	326	30	9%	10.867
31	Vol-Hon	Navy	E4-E9	0-5YOS	NH_Black	Male	615	125	20%	4.920
32	Vol-Hon	Navy	E4-E9	0-5YOS	NH_Black	Female	223	36	16%	6.194
33	Vol-Hon	Navy	E4-E9	0-5YOS	OtherRaces	Male	4596	1076	23%	4.271
34	Vol-Hon	Navy	E4-E9	0-5YOS	OtherRaces	Female	760	163	21%	4.663
35	Vol-Hon	Navy	E4-E9	6-10YOS	NH_Black	AllGender	476	57	12%	8.351
36	Vol-Hon	Navy	E4-E9	6-10YOS	OtherRaces	AllGender	2199	439	20%	5.009
37	Vol-Hon	Navy	E4-E9	11-19YOS	AllRaces	AllGender	1333	121	9%	11.017
38	Vol-Hon	Navy	E4-E9	20+YOS	NH_Black	AllGender	591	28	5%	21.107
39	Vol-Hon	Navy	E4-E9	20+YOS	OtherRaces	AllGender	2524	158	6%	15.975
40	Vol-Hon	Navy	Officer	0-5YOS	AllRaces	AllGender	534	64	12%	8.344
41	Vol-Hon	Navy	Officer	6-10YOS	AllRaces	AllGender	684	80	12%	8.550
42	Vol-Hon	Navy	Officer	11-19YOS	AllRaces	AllGender	241	32	13%	7.531
43	Vol-Hon	Navy	Officer	20+YOS	AllRaces	AllGender	1067	48	4%	22.229
44	Vol-Hon	USMC	E1-E3	AllYOS	NH_Black	AllGender	222	44	20%	5.045
45	Vol-Hon	USMC	E1-E3	AllYOS	OtherRaces	AllGender	992	202	20%	4.911
46	Vol-Hon	USMC	E4-E9	0-5YOS	NH_Black	AllGender	822	147	18%	5.592
47	Vol-Hon	USMC	E4-E9	0-5YOS	OtherRaces	Male	6728	1427	21%	4.715
48	Vol-Hon	USMC	E4-E9	0-5YOS	OtherRaces	Female	353	102	29%	3.461
49	Vol-Hon	USMC	E4-E9	10-19YOS	AllRaces	AllGender	779	185	24%	4.211
50	Vol-Hon	USMC	E4-E9	20+YOS	AllRaces	AllGender	132	92	70%	1.435
51	Vol-Hon	USMC	Officer	0-19YOS	AllRaces	AllGender	647	63	10%	10.270
52	Vol-Hon	USMC	Officer	20+YOS	AllRaces	AllGender	359	52	14%	6.904
53	Vol-Hon	USAF	E1-E3	AllYOS	AllRaces	AllGender	904	42	5%	21.524
54	Vol-Hon	USAF	E4-E9	0-5YOS	NH_Black	AllGender	557	38	7%	14.658
55	Vol-Hon	USAF	E4-E9	0-5YOS	OtherRaces	Male	3514	327	9%	10.746
56	Vol-Hon	USAF	E4-E9	0-5YOS	OtherRaces	Female	1100	125	11%	8.800
57	Vol-Hon	USAF	E4-E9	6-10YOS	AllRaces	Male	2131	181	8%	11.773
58	Vol-Hon	USAF	E4-E9	6-10YOS	AllRaces	Female	607	52	9%	11.673
59	Vol-Hon	USAF	E4-E9	11-19YOS	AllRaces	AllGender	924	73	8%	12.658
60	Vol-Hon	USAF	E4-E9	20+YOS	NH_Black	AllGender	723	27	4%	26.778

61	Vol-Hon	USAF	E4-E9	20+YOS	OtherRaces	AllGender	3325	269	8%	12.361
62	Vol-Hon	USAF	Officer	0-5YOS	AllRaces	AllGender	816	94	12%	8.681
63	Vol-Hon	USAF	Officer	6-10YOS	AllRaces	Male	702	82	12%	8.561
64	Vol-Hon	USAF	Officer	6-10YOS	AllRaces	Female	193	31	16%	6.226
65	Vol-Hon	USAF	Officer	11-19YOS	AllRaces	AllGender	493	51	10%	9.667
66	Vol-Hon	USAF	Officer	20+YOS	AllRaces	AllGender	1443	146	10%	9.884
67	Vol-Hon	USCG	AllPay	AllYOS	AllRaces	AllGender	2503	80	3%	31.288
68	Not-Vol-Hon	Army	E1-E3	AllYOS	NH_Black	AllGender	2777	180	6%	15.428
69	Not-Vol-Hon	Army	E1-E3	AllYOS	OtherRaces	AllGender	9499	643	7%	14.773
70	Not-Vol-Hon	Army	E4-E9	0-5YOS	NH_Black	Male	821	111	14%	7.396
71	Not-Vol-Hon	Army	E4-E9	0-5YOS	NH_Black	Female	375	84	22%	4.464
72	Not-Vol-Hon	Army	E4-E9	0-5YOS	OtherRaces	Male	3130	714	23%	4.384
73	Not-Vol-Hon	Army	E4-E9	0-5YOS	OtherRaces	Female	673	210	31%	3.205
74	Not-Vol-Hon	Army	E4-E9	6-10YOS	NH_Black	Male	506	124	25%	4.081
75	Not-Vol-Hon	Army	E4-E9	6-10YOS	NH_Black	Female	173	66	38%	2.621
76	Not-Vol-Hon	Army	E4-E9	6-10YOS	OtherRaces	Male	1575	470	30%	3.351
77	Not-Vol-Hon	Army	E4-E9	6-10YOS	OtherRaces	Female	212	89	42%	2.382
78	Not-Vol-Hon	Army	E4-E9	11-19YOS	NH_Black	AllGender	387	98	25%	3.949
79	Not-Vol-Hon	Army	E4-E9	11-19YOS	OtherRaces	AllGender	653	227	35%	2.877
80	Not-Vol-Hon	Army	E4-E9	20+YOS	NH_Black	AllGender	1196	280	23%	4.271
81	Not-Vol-Hon	Army	E4-E9	20+YOS	OtherRaces	AllGender	1608	547	34%	2.940
82	Not-Vol-Hon	Army	Officer	0-10YOS	AllRaces	AllGender	186	55	30%	3.382
83	Not-Vol-Hon	Army	Officer	11+YOS	AllRaces	AllGender	100	65	65%	1.538
84	Not-Vol-Hon	Navy	E1-E3	AllYOS	AllRaces	AllGender	8185	175	2%	46.771
85	Not-Vol-Hon	Navy	AllPay	0-5YOS	AllRaces	AllGender	1182	136	12%	8.691
86	Not-Vol-Hon	Navy	AllPay	10-19YOS	AllRaces	AllGender	1219	118	10%	10.331
87	Not-Vol-Hon	Navy	AllPay	20+YOS	AllRaces	AllGender	224	122	54%	1.836
88	Not-Vol-Hon	USMC	E1-E3	AllYOS	AllRaces	AllGender	2602	108	4%	24.093
89	Not-Vol-Hon	USMC	E4-Officer	0-5YOS	AllRaces	AllGender	2602	97	4%	26.825
90	Not-Vol-Hon	USMC	E4-Officer	10-19YOS	AllRaces	AllGender	488	72	15%	6.778
91	Not-Vol-Hon	USMC	E4-Officer	20+YOS	AllRaces	AllGender	999	125	13%	7.992
92	Not-Vol-Hon	USAF	AllPay	0-5YOS	AllRaces	Male	3591	45	1%	79.800
93	Not-Vol-Hon	USAF	AllPay	0-5YOS	AllRaces	Female	1246	31	2%	40.194

94	Not-Vol-Hon	USAF	AllPay	6-10YOS	AllRaces	AllGender	417	75	18%	5.560
95	Not-Vol-Hon	USAF	AllPay	11-19YOS	AllRaces	AllGender	358	40	11%	8.950
96	Not-Vol-Hon	USAF	AllPay	20+YOS	AllRaces	AllGender	599	240	40%	2.496
97	Not-Vol-Hon	USCG	AllPay	AllYOS	AllRaces	AllGender	687	13	2%	52.846
98	Reenlist	Army	AllPay	AllYOS	AllRaces	AllGender	31953	35	0%	912.943
99	Reenlist	Navy	AllPay	AllYOS	AllRaces	AllGender	17628	15	0%	1,175.200
100	Reenlist	USMC	AllPay	AllYOS	AllRaces	AllGender	4483	17	0%	263.706
101	Reenlist	USAF	AllPay	AllYOS	AllRaces	AllGender	18773	5	0%	3,754.600
102	Reenlist	USCG	AllPay	AllYOS	AllRaces	AllGender	4061	3	0%	1,353.667

B Constructed Variables

```
/****************************************************************
      CWSVC
      Creation of Constructed Service for weighting
 ****************************************************************
value CWSVC
1 = '1 Army'
2 = '2 Navy'
3 = '3 USMC'
4 = '4 USAF'
5 = '5 USCG'
;
****************************************************************/;
length CWSVC 2;
attrib CWSVC label='Constructed SVC for weighting';
CWSVC=.;
if svc='A' then CWSVC=1; /*1 Army */
if svc='N' then CWSVC=2; /*2 Navy */
if svc='M' then CWSVC=3; /*3 USMC */
if svc='F' then CWSVC=4; /*4 USAF */
if svc='C' then CWSVC=5; /*5 USCG */


/****************************************************************
      WSVC
      Creation of Constructed Service for weighting with imputations
 ****************************************************************
value Wsvc
        1 = '1 Army'
        2 = '2 Navy'
        3 = '3 USMC'
        4 = '4 USAF'
        5 = '5 USCG'
;
****************************************************************/;
length WSVC 3;
attrib WSVC  label='Service'           format=wsvc.;
if CWSVC > .                  then WSVC=CWSVC;
else if srsvc in (1 2 3 4 5) then WSVC=srsvc;
else WSVC=1;




/****************************************************************
      CWPAY
       Creation of Constructed pay group for weighting
 ****************************************************************
value CWPay
1 = '1 E1-E3'
2 = '2 E4+Unk'
3 = '3 E5-E9'
4 = '4 Officer'
;
****************************************************************/;
length CWPay 2;
attrib CWPay label='Constructed pay group for weighting, p4';
CWPay=.;
```

```
if usvc_pg_cd in ('ME01' 'ME02' 'ME03')                          then
CWPay=1;
if usvc_pg_cd in ('ME04' 'ME00')                                 then
CWPay=2;
if usvc_pg_cd in ('ME05' 'ME06' 'ME07' 'ME08' 'ME09')            then
CWPay=3;
if usvc_pg_cd in ('MW00' 'MW01' 'MW02' 'MW03' 'MW04' 'MW05' 'MO00'
'MO01' 'MO02' 'MO03' 'MO04' 'MO05' 'MO06' 'MO07' 'MO08' 'MO09' 'MO10'
'MO11')                                                          then
CWPay=4;


/****************************************************************
      WPAY
      Creation of Constructed pay group for weighting with imputations
 ****************************************************************
value WPay
1 = '1 E1-E3'
2 = '2 E4+Unk'
3 = '3 E5-E9'
4 = '4 Officer'
;
****************************************************************/;
Length Wpay 3;
attrib WPay  label='Pay Group'          format=Wpay.;
if CWPay > .                    then WPay = CWPay;
else if srgrade2 in (1 2 3)     then WPay = 1;
else if srgrade2 in  (4)        then WPay = 2;
else if srgrade2 in (5 6 7 8 9) then WPay = 3;
else if srgrade2  > 9           then WPay = 4;
else WPay = 2;




/****************************************************************
      WPAY3
      Creation of Constructed pay group for weighting
 ****************************************************************
value WPay3_
1 = '1 E1-E3'
2 = '2 E4-E9+Unk'
3 = '3 Officer'
;
****************************************************************/ ;
Length Wpay3 3;
attrib WPay3  label='Pay Group'         format=Wpay3_.;
WPay3=.;
if      WPay in (1)   then WPay3=1;
else if Wpay in (2 3) then Wpay3=2;
else if Wpay in (4)   then Wpay3=3;

/****************************************************************
      SRSSNFLG
      CREATION OF SELF-REPORT SSN FLAG (SRSSNFLG)
 ****************************************************************
 value SRSSNFLG
 1 = 'Valid SSN Reported'
 . = 'Valid SRSSN Missing'
 ;
 ****************************************************************/ ;
```

```
length srssnflg 3;
srssnflg=.;
if '001010000' <= srssn <= '983999999' then srssnflg=1;
do i=1 to 9;
  if substr(srssn,i,1) <'0' or substr(srssn,i,1) > '9' then srssnflg=.;
end;

 /********************************************************************
       FINELIG
       CREATION OF FINAL ELIGIBILITY VARIABLE
  ********************************************************************/
 /*   CATEGORIES OF FINAL ELIGIBILITY VARIABLE(FINALELG)           */
 /*  1 = INELIGIBLE, DEATH                                         */
 /*  2 = INELIGIBLE FOR REENLISTMENT                               */
 /*  3 = INELIGIBLE NOT VOLUNTARY                                  */
 /*  4 = INELIGIBLE NOT HONORABLE                                  */
 /*  5 = GRAY, WAIVERABLE REENLISTMENT CODES                       */
 /*  6 = IMMEDIATE REENLISTMENT                                    */
 /*  7 = GRAY, AD FOR TRAINING                                     */
 /*  8 = GRAY, UNCLEAR ANG AND USAFR REENLISTMENT CODES            */
 /*  0 = ELIBIBLE VOLUNTARY HONORABLE                              */
 /********************************************************************/

LENGTH FINELIG $15;
FINELIG ='                 ';
IF      RISC    ='3 DEATH '    THEN FINELIG ='1 INELIG, DEATH'        ;
ELSE IF RRENLCD ='2 INELIG'    THEN FINELIG ='2 INELIG FOR REENL  '  ;
ELSE IF VOL     ='2 INVOL '    THEN FINELIG ='3 INELIG NOT VOLUNTARY ';
ELSE IF RCHRSVC ='2 NOTHON'    THEN FINELIG ='4 INELIG NOT HONORABLE' ;
ELSE IF VOL     ='4 IMRENL'    THEN FINELIG ='5 IMMED REENLISTMENT'   ;
ELSE IF RRENLCD ='3 WAIVER'    THEN FINELIG ='6 WAIVERABLE REENL'     ;
ELSE IF RRENLCD ='4 GRAY  '    THEN FINELIG ='7 AD FOR TRNG'          ;
ELSE IF RRENLCD ='5 GRAY  '    THEN FINELIG ='8 ANG AND USAFR CODES'  ;
ELSE IF VOL IN ('1 VOL' '5 UNK') OR RRENLCD IN ('1 ELIG' '6 UNK') OR
RCHRSVC IN ('1 HON  ' '3 UNK  ')THEN FINELIG ='0 VOLUNTARY HONORABLE'  ;


/********************************************************************
       FINELIGN
       CREATION Final Eligibility Numeric (FinEligN)
********************************************************************
value FinEligN
 0=' 0 AdminR NResp Voluntary Honorable'
 1=' 1 AdminR NResp Ineligible Death'
 2=' 2 AdminR NResp Ineligible For Reenlistment'
 3=' 3 AdminR NResp Ineligible Not Voluntary'
 4=' 4 AdminR NResp Ineligible Not Honorable'
 5=' 5 AdminR NResp Immediate Reenlistment'
 6=' 6 AdminR NResp Waiverable For Reenlistment'
 7=' 7 AdminR NResp AD FOR TRNG'
 8=' 8 AdminR NResp ANG and USAFR Codes'
10='10 AdminR SelfR Voluntary Honorable'
11='11 AdminR SelfR Ineligible Death'
12='12 AdminR SelfR Ineligible For Reenlistment'
13='13 AdminR SelfR Ineligible Not Voluntary'
14='14 AdminR SelfR Ineligible Not Honorable'
15='15 AdminR SelfR Immediate Reenlistment'
16='16 AdminR SelfR Waiverable For Reenlistment'
17='17 AdminR SelfR AD FOR TRNG'
```

```
18='18 AdminR SelfR ANG and USAFR Codes'
;
/*****************************************************************/;
length FinEligN 3;
attrib FinEligN label='Final Admin Record Eligibility by Response Status'
format=FinEligN.;
FinEligN=.;
FinEligN=input(put(FinElig,$1.),3.0);
if Source='B' then FinEligN=FinEligN+10;



/*********************************************************************
      QCompN
      CONSTRUCT QUESTIONNAIRE COMPLETE VARIABLE
*********************************************************************/
/*  Count responses to everyone-to-answer-items                   */
/********************************************************************;
length QCompN 3;
QCompN=.;
if dupret in (0) then do;
   array CHVar me0037 me0038 me0052 me0082a--me0082e /*me0083ba--me0083bm*/;
   array NumVar srsvc--srhispa1 me0014--me0015 /*me0016--me0017g*/ srmarst--
me0019
   /*me0020*/ me0021 me0024--me0025 me0028 me0030 /*me0031 me0033*/ me0034
me0035
   me0039--me0045 /*me0047--me0048*/ me0051a--me0051mm me0054a--me0064 me0066
   me0068 /*me0069 me0071*/ me0072 /*me0073 me0075--me0076*/ me0077--me0081ee
me0083a
   ;
   QCompN=0;
   attrib QCompN label='Questionnaire Complete, Number';
   do over NumVar;
       if Numvar>0 or NumVar=.N then do;
         QCompN=QCompN+1;
       end;
   end;
   ARRAY GT1 srracea--srracee me0022a--me0022l me0026a--me0026p
   me0036a--me0036u /*me0046a--me0046o me0049a--me0049j me0050a--me0050j*/
   me0053a--me0053nn me0065a--me0065k me0067a--me0067i /*me0070a--me0070e*/
   /*me0074a--me0074h*/ ;
   do over GT1;
     IF GT1 > 0 or GT1 = .N THEN do;
        QCompN=QCompN+1;
      end;
   END;
   ARRAY GT0 me0023 me0027 me0029 /*me0032a--me0032j*/ ;
   do over GT0;
     IF GT0 >=0 or GT0 = .N THEN do;
        QCompN=QCompN+1;
      end;
   END;
   do over ChVar;
       if ChVar>'.Z' or ChVar = '.N' then do;
          QCompN=QCompN+1;
       end;
   end;
   if '001010000' <= srssn <= '983999999' then QCompN=QCompN+1;
end;
```

```
/*******************************************************************
      QCompP
      CREATION OF QUESTIONNAIRE COMPLETE PROPORTION (QCOMPP)
********************************************************************/
QCompP=0;
QCompP=QCompN/309;


/*******************************************************************
      SRELIG
      SELF-REPORT ELIGIBILITY

      This variable was established to support exploratory analysis of the raw
unweighted data and established the basis for ELIGFLGW and SRSEPG.  The sample
disposition variable SAMP_DC first assigned administrative record data and
then used ME005, ME007, and ME006 to impute self-report ineligibility.

********************************************************************/
if ME005 >= 1 and ME005 <= 5 and ME007= 1 and ME006 ne 1
then srelig= 1;
else srelig= 0;


/*******************************************************************
      SAMP_DC
      CREATION OF SAMPLE DISPOSITION CODES (Samp_DC)
********************************************************************/
value Samp_DC
1  = '1  Ineligible death '
2  = '2  NResp AdminR not eligible for reenlistment'
3  = '3  NResp AdminR not voluntary'
4  = '4  NResp AdminR not honorable'
5  = '5  NResp AdminR immediate reenlistment'
6  = '6  NResp VOL-HON ASSUMED: gray AdminR situations'
7  = '7  NResp VOL-HON '
8  = '8  Resp  SelfR not eligible for reenlistment'
9  = '9  Resp  SelfR not voluntary'
10 = '10 Resp  SelfR not honorable'
11 = '11 NResp VOL-HON ASSUMED: Incomplete return < .5 '
12 = '12 Resp  AdminR ineligible death '
13 = '13 Resp  AdminR not eligible for reenlistment'
14 = '14 Resp  AdminR not voluntary'
15 = '15 Resp  AdminR not honorable'
16 = '16 Resp  AdminR immediate reenlistment'
17 = '17 Resp  VOL-HON ASSUMED: gray situations'
18 = '18 Resp  VOL-HON ASSUMED: SRSSN not on popfile'
19 = '19 Resp  VOL-HON with SRSSN'
20 = '20 Resp  VOL-HON w/0 SRSSN'
;
 *****************************************************************/;
length Samp_DC 3;
attrib Samp_DC label='Sample Disposition Code' format=Samp_DC.;
Samp_DC=.;
      if FinEligN=1                then Samp_DC =1  ;
    /* '1  Ineligible death '                          */
  else if FinEligN=2                then Samp_DC =2  ;
    /* '2  NResp AdminR not eligible for reenlistment'   */
  else if FinEligN=3                then Samp_DC =3  ;
```

```
         /* '3  NResp AdminR not voluntary'                    */
  else if FinEligN=4                       then Samp_DC =4  ;
         /* '4  NResp AdminR not honorable'                    */
  else if FinEligN=5                       then Samp_DC =5  ;
         /* '5  NResp AdminR immediate reenlistment'           */
  else if FinEligN in (6 7 8)        then samp_dc =6  ;
/* '6  NResp VOL-HON ASSUMED: gray AdminR situations' */
  else if FinEligN=0                       then Samp_DC =7  ;
         /* '7  NResp VOL-HON '                                */
  else if me006 in (1)                     then Samp_DC =8  ;
         /* '8  Resp  SelfR not eligible for reenlistment'    */
  else if me005 in (6 7)                   then Samp_DC =9  ;
         /* '9  Resp  SelfR not voluntary'                     */
  else if me007 in (2)                     then Samp_DC =10 ;
         /* '10 Resp  SelfR not honorable'                     */
  else if . < QcompP < .5              then Samp_DC =11 ;
         /* '11 NResp VOL-HON ASSUMED: Incomplete return < .5 '*/
  else if FinEligN=11                      then Samp_DC =12 ;
         /* '12 Resp  AdminR ineligible death '                */
  else if FinEligN=12                      then Samp_DC =13 ;
         /* '13 Resp  AdminR not eligible for reenlistment'    */
  else if FinEligN=13                      then Samp_DC =14 ;
         /* '14 Resp  AdminR not voluntary'                    */
  else if FinEligN=14                      then Samp_DC =15 ;
         /* '15 Resp  AdminR not honorable'                    */
  else if FinEligN=15                      then Samp_DC =16 ;
         /* '16 Resp  AdminR immediate reenlistment'           */
  else if FinEligN in (16 17 18)     then samp_dc =17 ;
         /* '17 Resp  VOL-HON ASSUMED: gray situations'        */
  else if srssnflg=1 and source='R' then Samp_DC =18 ;
         /* '18 Resp  VOL-HON ASSUMED: SRSSN not on popfile'   */
  else if srssnflg=1                       then Samp_DC =19 ;
         /* '19 Resp  VOL-HON with SRSSN'                      */
  else if dupret=0                         then Samp_DC =20 ;
         /* '20 Resp  VOL-HON w/0 SRSSN'                       */

/**********************************************************************
      ALLRESP
      CREATE RESPONSE RATE INDICATOR (AllResp)
**********************************************************************
value AllResp
      1='Response Eligible/Ineligible'
      0='Non-response'
;
 **********************************************************************/ ;
AllResp=.;
attrib AllResp label='Response Indicator' format=AllResp.;
if Samp_DC ne 1 then AllResp = Samp_DC in (8 9 10 13 14 15 16 17 18 19 20);


/***********************************************************************
      SEP_G3C
      Creation of Separation Group Code With Four Levels
***********************************************************************
```

This code is used for segmenting the population for separate
stratification of eligibles and ineligibles. The fourth level is
missing and contains separations due to death on the administrative
records in the population file.

```
value Sep_G3C
1='1 Voluntary Honorable/Gray'
2='2 Not Voluntary/Honorable'
3='3 Immediate Reenlister'
.='. Ineligible Deaths'
;
 ***********************************************************************/ ;
length Sep_G3C 3;
attrib Sep_G3C label='Separation Group Code' format=Sep_G3C.;
Sep_G3C=.;
if      Samp_DC in (6 7 11 17 18 19 20 )   then Sep_G3C=1;
/* 18 no ssn match, 9 incomplete assume vol-hon */
else if Samp_DC in (2 3 4 8 9 10 13 14 15) then Sep_G3C=2;
/* Not Eligible / Not Voluntary                 */
else if Samp_DC in (5 16)                  then Sep_G3C=3;
/* Immediate Reenlistment                        */
else if Samp_DC in (1 12)                  then Sep_G3C=.; /
* Deaths */

/************************************************************************
      ELIGFLGW
      Creation of Four Level Eligibility Code
************************************************************************
```

ELIGFLGW shows which records are eligible (voluntary-honorable
separations), and gives priority to self-reports of voluntary-honorable
status. ELIGFLGW also indicates which records are ineligible (not
vol-hon, or immediate reenlisters). All of these cases are weighted if
a response was received, otherwise the weights are zero.

```
value ELIGFLGW
   1 = 'Eligible Weighted'
   2 = 'Ineligible Weighted'
   3 = 'Unweighted Non-response'
    .= '. Ineligible Deaths'
;
 *******************************************************************/;
length ELIGFLGW 3;
ELIGFLGW=.;
attrib ELIGFLGW label='Eligibility Flag' format=ELIGFLGW.;
if SRElig=1 and allresp=1 and Sep_G3C ne 3 then ELIGFLGW=1;
else if allresp=1 then ELIGFLGW=2;
else ELIGFLGW =3;

/************************************************************************
      SRSEPG
      Creation of Self-Report Separation Group
************************************************************************
```

SRSepG shows which records are eligible (voluntary-honorable
separations), and gives priority to self-reports of voluntary-honorable
status. ELIGFLGW also indicates which records are ineligible (not
vol-hon, or immediate reenlisters).

```
value SRSepG
   1 = 'Voluntary-Honorable'
   2 = 'Not-Voluntary-Honorable'
   3 = 'Reenlister'
```

```
     .= '. Ineligible Deaths'
;
 ***************************************************************/;
length SRSepG 3;
SRSepG=.;
attrib SRSepG label='Self-Report Separation Group' format=SRSepG.;
SRSepG = Sep_G3C;
if allresp=1 and Sep_G3c ne 3 then do; /* If response, but not reenlister */
   if SRElig=1 then SRSepG=1;
   else SRSepG=2;
/* AR data was not used to override/impute self-report data */
end;
else SRSepG=Sep_G3C;
```