VALUATION OF THE MEDICARE-ELIGIBLE RETIREE HEALTH CARE FUND

SEPTEMBER 30, 2011

DoD Office of the Actuary
January 2013

ACTUARIAL CERTIFICATION

This report documents the results of an actuarial valuation of the postretirement medical benefits offered to Medicare-eligible retirees and dependents of the U.S. uniformed services. The primary purpose of this valuation is to determine the Actuarial Liability as of September 30, 2011, and the FY 2014 funding requirements for the Medicare-Eligible Retiree Health Care Fund (MERHCF), in support of the Secretary of Defense and the MERHCF Board of Actuaries (MERHCF Board). These valuation results meet the requirements of Chapter 56, Title 10, United States Code, and use of these results for other purposes may not be appropriate.

We have performed the valuation using methods and assumptions approved by the MERHCF Board and in accordance with generally accepted actuarial principles and practices. In general, the projected benefit costs and decrement rates used in the valuation are based on actual experience of the military and retired military population. The annual economic assumptions include a 3.00% inflation rate, 5.75% discount rate and 5.75% ultimate medical trend rate. The discount rate assumption used in the valuation is based on the funding policy and on the MERHCF Board's estimate of long term real Treasury yields.

In our opinion, the actuarial assumptions are reasonably related to experience and future expectations for the MERHCF.

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INTRODUCTION

The Fiscal Year (FY) 2001 National Defense Authorization Act (NDAA) contained a provision for extending TRICARE coverage to Medicare-eligible members or former members of the uniformed services (and their Medicare-eligible dependents and survivors) entitled to retired or retainer pay; and the Act also created a mechanism to fund benefits for these beneficiaries. Specifically, U.S. Code (U.S.C.), Chapter 56, Title 10 established the Department of Defense (DoD) Medicare-Eligible Retiree Health Care Fund (MERHCF), administered by the Secretary of the Treasury. The purpose of the MERHCF is to accumulate funds needed to finance on an actuarially sound basis liabilities associated with uniformed services retiree health care programs for Medicare-eligible beneficiaries. Medical benefits were provided to Medicare-eligible retirees and dependents of the uniformed services beginning October 2001, and the MERHCF was established October 2002.

A description of the medical benefits provided to Medicare-eligible retirees and their eligible dependents can be found in Appendix A.

Section 1114 of Title 10 created a Medicare-Eligible Retiree Health Care Board of Actuaries (the MERHCF Board). The three independent members who comprise the MERHCF Board are appointed by the Secretary of Defense. The MERHCF Board is required to approve methods and assumptions used in actuarial valuations of the MERHCF, to determine the method of amortizing unfunded liabilities, to report annually to the Secretary of Defense, and to report to the President and the Congress on the status of the MERHCF at least every four years. The DoD Office of the Actuary (OACT) provides all technical and administrative support to the MERHCF Board. The terms of the Board members are fifteen years (after staggered initial appointments of five, ten and fifteen years) and a member can be removed only for misconduct or failure to perform the duties of the office. The current Board members are Dale Yamamoto (Chairman), Lynette Trygstad, and David Osterndorf. The DoD Chief Actuary is the Executive Secretary for the Board.

Chapter 56 of Title 10, U.S.C. also requires that an actuarial valuation be performed at least once every four years, using the aggregate entry-age normal cost funding method. Under this law, the Treasury Department makes payments from general revenues to amortize the unfunded liability, including any gains or losses that have arisen from assumption or benefit changes, or from assumed experience differing from actual experience. On behalf of the uniformed services, the Treasury Department also deposits funds for the annual accrued benefits based on each current year of service (normal cost), and the uniformed services reflect these normal cost contributions in their budgets.

NOTIFICATIONS ABOUT ROUNDING AND FUND NAME

Throughout this report (including the appendices), numbers in some cases may not appear to add properly; this is due to rounding. Throughout this report and appendices, the MERHCF is also referred to as the Fund.

SUMMARY OF VALUATION RESULTS

The purpose of the September 30, 2011, MERHCF valuation (2011 valuation) is to develop normal costs (NCs), actuarial accrued liabilities (ALs), unfunded accrued liabilities (UFLs), and UFL amortization payments associated with postretirement medical benefits payable from the MERHCF.

The 2011 valuation uses census population data as of September 30, 2011, aggregate claims data for FY 2011, and detailed claims data from fiscal years 2009 to 2011 (each fiscal year runs from October 1st through September 30th). The 2011 valuation produces AL and UFL figures as of September 30, 2011, an UFL amortization payment for October 1, 2012, and per capita NCs for FY 2012 that are projected to FY 2014. The total October 1, 2012, Treasury payment is the sum of the October 1, 2012, UFL amortization payment and the October 1, 2012, Treasury NC payment. The October 1, 2012, NC payment is a function of FY 2013 per capita NC amounts promulgated by the MERHCF Board in 2011, as well as budgeted average force strengths for FY 2013. The aggregate entry-age normal cost method is used to produce the per capita normal costs, as stated in the law. These per capita normal costs are contributed for each eligible full-time (active duty) and part-time (reserve) participant each year. The per capita normal costs are determined by projecting a new-entrant cohort and its expected benefit payments over the next 100 years.

TABLE 1

LIABILITY SUMMARY
($ millions)

	AL	Fund	UFL
As of September 30, 2011	$407,600	$187,416	$220,184

TABLE 2

TREASURY PAYMENT
($ millions)

Payable	UFL Amortization	NC	Total
October 1, 2012	$6,142	$8,529	$14,671

TABLE 3

PER CAPITA NORMAL COSTS FOR FY 2014

For NC Payment Made	Active Duty	Reserve
October 1, 2013	$4,223	$2,238

Additional tables containing further breakdowns of the AL and per capita normal costs are presented in Appendix B.

FUNDED STATUS

The Actuarial Liability (AL) is defined as the Present Value of Future Benefits (PVFB) minus the Present Value of Future Normal Costs (PVFNC). The Unfunded Liability (UFL) is the AL minus MERHCF. The MERHCF represents the actuarial (not market) value of assets, and is adjusted to subtract estimates of incurred-but-not-paid liabilities. This adjustment is made because the actuarial liabilities are valued on an incurred basis.

TABLE 4
FUNDED STATUS AS OF SEPTEMBER 30, 2011
($ millions)

PVFB	$472,291
PVFNC	$64,691
AL	$407,600
Fund	$187,416
UFL	$220,184

ASSETS

The assets of the MERHCF are invested in special issue Treasury obligations bearing interest at rates determined by the Secretary of the Treasury, taking into consideration current market yields for outstanding marketable U.S. obligations of comparable maturities. Each security issued to the fund "mirrors" a security that has been issued to the public, i.e., it has the same maturity date and coupon rate. The special issue security that is mirrored may have been issued recently, or at any time in the past.

Under current procedures adopted by Treasury, the investment manager is permitted to redeem long-term special issue securities at any time before maturity for their fair market value, which is based on the bid price for the public issue with the same maturity date and coupon rate. However, Treasury policy encourages a buy-and-hold approach giving consideration to the needs of the fund in determining the maturities of securities purchased.

For purposes of determining the unfunded liability, the assets of the fund are valued using the amortized cost method. Under this method, the yield to maturity of a security valued at any point in time is equal to the yield to maturity at the time of purchase. In the valuation of the MERHCF, the amortized cost value is referred to as the "actuarial value of assets." The actuarial value of assets is determined by amortizing premium and discount over the life of the securities. The total investment return includes: the interest coupons received, the change in the actuarial value of assets during the year, and the inflation compensation accrued from the holdings of Treasury Inflation-Protected Securities (TIPS).

The actuarial value of assets used in the determination of the unfunded liability includes the "accrued interest," which is the amount of the next semiannual interest coupon payment that has accrued since the date of the last coupon payment. The amount of the "accrued interest" is

determined by multiplying the coupon payment by the ratio of the time that has elapsed since the last coupon payment date to the total time between coupon payments. Table 5 presents a statement of the actuarial value of assets as of September 30, 2011; Table 6 presents a statement of changes in the actuarial value of assets.

TABLE 5

STATEMENT OF ACTUARIAL VALUE OF ASSETS AS OF SEPTEMBER 20, 2011
($ millions)

Assets at book value	$188,551
Accounts payable	$423
IBNR	$712
Actuarial Value of Assets	$187,416

TABLE 6

FY 2011 STATEMENT OF CHANGES IN THE ACTUARIAL VALUE OF ASSETS
($ millions)

Actuarial value of assets, beginning of plan year	$165,983
Contributions	
Amortization of UFL	$9,785
Normal Cost	$11,315
Investment income	$9,153
Total additions	$30,254
Less: Benefit Payments	$8,820
Actuarial value of assets, end of plan year	$187,416

The MERHCF financial statements are required to include the market value of assets. Table 7 shows the market value of assets for comparison purposes.

TABLE 7

MARKET VALUE OF ASSETS AS OF SEPTEMBER 30, 2011
($ millions)

Non-marketable, market-based securities	$221,621
Interest receivable	$1,904
Fund balance with Treasury	$227
Accounts Receivable	$498
Total market-based value of assets	$224,250

ACTUARIAL GAINS AND LOSSES

Gains and losses reflect the difference between expected results, based on rolling forward the prior year's valuation results, and actual results of the current year's valuation. The total gain or loss represents the difference between the actual and expected unfunded liabilities, including both asset and liability components of the gain or loss. The broad categories of (gain)/loss specified by Chapter 56 of Title 10 are:

- Experience (experience different from what was expected in the valuation model)
- Assumption changes, and
- Benefit changes.

Within the experience category, gains and losses are divided into an asset component and a liability component. Within the assumption and benefit changes categories there are only liability components.

The following tables display summary level (gain)/loss information from the September 30, 2011, valuation. A more detailed display of the step-by-step liability gain/loss reconciliation is contained in Appendix B.

TABLE 8

TOTAL (GAIN) / LOSS SUMMARY
($ millions)

	AL	Fund	UFL
September 30, 2010 (actual)	$440,341	$165,983	$274,358
September 30, 2011 (expected)	$465,138	$185,352	$279,786
September 30, 2011 (actual)	$407,600	$187,416	$220,184
(Gain) / loss			**($59,603)**

TABLE 9

SEPTEMBER 30, 2011 ASSET AND LIABILITY (GAIN) / LOSS SUMMARY
($ millions)

	Liability	Asset	Total
Experience	($5,621)	($2,065)	($7,686)
Assumption	($29,068)		($29,068)
Plan Change	($22,849)		($22,849)
Total	($57,538)	($2,065)	**($59,603)**
	(G) / L Expressed as a % of September 30, 2011 AL		
	Liability	Asset	Total
Experience	-1.4%	-0.5%	-1.9%
Assumption	-7.1%		-7.1%
Plan Change	-5.6%		-5.6%
Total	-14.1%	-0.5%	**-14.6%**

TABLE 10

CHANGE IN UNFUNDED LIABILITY
($ millions)

1.	Actual Unfunded Accrued Liability, 9/30/2011	$220,184	54.0%
2.	Expected Unfunded Accrued Liability, 9/30/2011	$279,786	68.6%
3.	Total (Gain) / Loss	($59,603)	14.6%
a.	Total experience (gain) / loss	($7,686)	1.9%
	Census	$876	0.2%
	Claims	($6,498)	1.6%
	Asset	($2,065)	1.1%
b.	Total benefit change (gain) / loss	($22,849)	5.6%
c.	Total assumption (gain) / loss	($29,068)	7.1%
	discount rate	$0	0.0%
	medical trend rates	($17,864)	4.4%
	plan participation rates	($10,895)	2.7%
	claim vectors, admin and Rx rebate assumption	($1,576)	0.4%
	Mortality	$2,273	0.6%
	other demographic rates	($1,006)	0.2%

(Percentages shown are ratios of absolute values of each gain or loss component to the actuarial accrued liability, except the percentage given for the asset (gain)/loss: it is the ratio of the gain or loss to the actuarial value of assets.)

PAST AND PROJECTED UNFUNDED LIABILITY PAYMENTS

The UFL is divided into four components: the initial UFL and the three categories of gain/loss previously mentioned, i.e., changes in the UFL arising from actuarial experience, actuarial assumption changes, and benefit changes. The Board chose to amortize the initial UFL over a 50-year period through the FY 2012 payment. At its August 2012 meeting, the Board decided to decrease the period over which the initial UFL is fully amortized by 5 years. Therefore, starting with the FY 2013 payment, the initial UFL is being amortized over a 45-year period, with the last payment expected to be made October 1, 2046, with payments increasing at the rate of assumed salary increases in OACT's Military Retirement Fund valuation, currently 3.75%. New gains and losses in the other three categories are amortized over 30 years, with new gains and losses combined with existing unamortized balances and a weighted remaining period determined: 30 years weighted by the absolute value of the new gain/loss, and the remaining period weighted by the absolute value of the remaining unamortized balance**.**

Historical and projected components of the UFL amortization payments and UFL balances are shown in Appendix B.

PLAN AMENDMENTS

Benefit changes or plan amendments are amortized over 30 years. Effective October 1, 2011, pharmacy copays were changed, resulting in an actuarial gain. Effective October 1, 2012, a military retiree (or eligible family member) who becomes eligible for Medicare due to age may not enroll or stay enrolled in the US Family Health Plan, unless the military retiree (or eligible family member) was enrolled in the plan on September 30, 2012.

VALUATION DATA AND PROCEDURE

Census Data

The active service member census data is the same as the active service member census data used for OACT's September 30, 2011, retirement pay valuation for DoD members, supplemented by summary end-strength data provided by the other uniformed services. Several displays of summary census data are provided in Appendix C.

Retired sponsor counts for the MERHCF valuation are higher than counts in OACT's retirement pay valuation because of the inclusion of non-DoD uniformed services in the MERHCF valuation and because this valuation includes all living sponsors, regardless of whether they are in "pay" status. For similar reasons, survivor counts are higher in this valuation. However, the number of eligible Reserve retirees in the MERHCF has been lower recently than the number of eligible Reserve retirees receiving retiree pay. This discrepancy results from P.L 110-181, enacted January 28, 2008, which reduces the retirement age (for retiree pay) below age 60 by three months for every 90 days of certain active service with a maximum age reduction of 10

years. This early reserve retirement does not apply to subsidized retiree health care eligibility age (which continues to be age 60 for reservists).

The valuation input census data were extracted from files maintained at the Defense Manpower Data Center (DMDC). Data on individual retirees came from official files submitted by the Defense Finance and Accounting Service (DFAS). Reserve data were obtained from the Reserve Component Common Personnel Data System (RCCPDS), the official source for all reserve strengths and statistics. All eligible retirees and their eligible surviving spouses are included in the data. Data is matched to the Defense Eligibility and Enrollment System (DEERS) to obtain eligible spouses and children.

Active service member (active duty and reserve) data came from files provided by the four military personnel centers (Army, Navy, Air Force, Marines). Since the MERHCF provides benefits for retirees of additional uniformed services activities (as defined in section 1072(3) of Title 10), summary strength data is collected from the remaining units (Coast Guard, Public Health Service (PHS), and National Oceanic and Atmospheric Administration (NOAA)). The number of covered service members as of September 30, 2011 is shown in Table 11.

Adjustments were made to the classification of former spouse data so that some former spouses are valued as survivors and others are valued as dependents. Since the valuation model projects costs on a per-sponsor and per-survivor basis, it was necessary to treat former spouses who are not survivors as dependents (i.e., like spouses). Furthermore, since former spouses are represented in the census under their own IDs (since FY 2004), former spouses must be allocated between dependent spouses and surviving spouses, based on their prior representation in the data.

TABLE 11
ACTIVE SERVICE MEMBERS AS OF SEPTEMBER 30, 2011

DoD	
Active Duty	1,486,853
Reserve	771,080
Coast Guard	
Active Duty	42,008
Reserve	7,957
PHS Active Duty	6,527
NOAA Active Duty	318
Total	
Active Duty	1,535,706
Reserve	779,037

Population projections are generated by an actuarial projection model (called "HORGO" for the retiree medical valuation). The population projection structure used by OACT includes four broad categories of personnel, representing the starting status of the population. Each of the four categories is further divided into ten subcategories, representing projected future status, for a total of 40 categories.

The four broad categories (starting status) are:

1 All Uniformed Services Retirees
2 DoD Retirees
3 DoD Active Service Members (active duty and reserve)
4 New Entrant Cohort

The ten subcategories (future status) are:

1 Retiree, Active Duty Component, Nondisabled, Enlistee
2 Retiree, Active Duty Component, Nondisabled, Officer
3 Retiree, Active Duty Component, Disabled, Enlistee
4 Retiree, Active Duty Component, Disabled, Officer
5 Retiree, Reserve Component, Nondisabled, Enlistee
6 Retiree, Reserve Component, Nondisabled, Officer
7 Survivor, Active Duty Component, Enlistee
8 Survivor, Active Duty Component, Officer
9 Survivor, Reserve Component, Enlistee
10 Survivor, Reserve Component, Officer

Separate data arrays are maintained in HORGO for each of the 40 population categories. These data are displayed in Appendix C.

The data on active duty service members and drilling reservists (also called selected reserves) are grouped into cells by age and number of years of service. Each cell contains the number of service members with that particular combination of age and length of service.

Non-selected reserves (with 20 or more good years) are reservists who have completed 20 good years of military service and have satisfied all requirements for retirement except for the minimum age needed to begin receiving the retiree pay benefit. Reservists also are not eligible for subsidized retiree medical benefits before age 60. Data on non-selected reserves are grouped into cells by age and number of years of service.

Data on the retired population and surviving families are grouped into cells by age. All retiree and survivor census tables are contained in Appendix C.

In HORGO, these starting populations are projected year by year into the future. Each year personnel are moved from one population category to another (e.g., from active to disabled or nondisabled retiree, or dropped from the system altogether) by means of decrement rates such as withdrawal, nondisability retirement, temporary disability, permanent disability, transfer, death with and without survivors, etc. At the end of each year, the number of people is saved, and the population is aged. After 100 years, when none of the current active or retired personnel is left

in the system, the present values of the series of future benefit payments are determined, using the valuation interest rate. Because no new entrants come into the system, the projection is said to be "closed group."

Claims Data

OACT pulled detailed claims data and workload files from the DoD's Medical Data Repository (MDR) for fiscal years 2009, 2010 and 2011. The data were used to develop claim vectors (CVs), and aggregate 2011 claims data were completed and used to adjust the CVs to 2011 cost levels.

OACT processes detailed claims data and workload data by matching individual claims in the incurred period to members who met the eligibility requirements at the time of the claim. This data matching process achieves the goal of separating claims incurred when a member is Medicare-eligible from claims incurred when a member is not Medicare-eligible. Since the MERHCF valuation only covers claims incurred when a member is Medicare eligible, this step is essential. OACT can also properly account for Medicare beneficiaries (and their claims) who turn Medicare-eligible during the year.

Once the detail claims and workloads are processed and matched to the retiree population, OACT produces average expected benefit costs per retired sponsor and per survivor. OACT also produces average expected benefit costs associated with the US Family Health Plan (USFHP), TRICARE's designated provider plan, a managed care plan which receives payments in the form of per capita rates and which provides comprehensive patient care (with no reimbursement from Medicare). A detailed description of these average costs and how they are applied in the valuation model is contained in Appendix E.

Direct Care claims are claims for care received in Military Treatment Facilities, or MTFs. While DC comprises a relatively small portion of total medical care received by Medicare-eligible retirees (retirees are seen at MTFs on a space-available basis, and most retirees don't live near an MTF), OACT must rely on DC data that does not come from an audited, patient-level accounting system. Determining DC claims costs requires the application of adjustments to individual claims records (encounter data) that contain workloads (a measure of level of effort for each procedure). TRICARE Management Activity provides OACT with an annual cost-allocation analysis obtained from the MTFs' Medical Expense and Performance Reporting System (MEPRS). This "Level of Effort" analysis allows OACT to convert workloads into claims costs. However, OACT does not review the LOE analysis.

Participation

There is no requirement to enroll in TRICARE for Life and there are no contributions. Retirees and their dependents become eligible for TFL upon becoming eligible for Medicare Part A and signing up for Medicare Part B. Since some retirees have coverage other than TFL and Medicare, OACT must monitor several plan utilization statistics to determine any trends in plan participation, and set assumptions for the ultimate level of plan usage within the Purchased Care and Direct Care environments. Changes identified in plan participation help explain changes in aggregate and per capita plan cost, and allow for reasonable medical trend estimates. More details about plan participation assumptions and the rates used in the current valuation are contained in Appendix F.

Economic Assumptions

Economic assumptions, i.e., the annual rate of inflation, annual medical trend rates, and the annual valuation interest rate, were decided upon by the MERHCF Board of Actuaries after analysis of past trends and future expectations. A discussion of these trends and other considerations is contained in Appendix D.

Decrement Rates

The decrement rates and other non-economic assumptions can be categorized as follows, and details are described in the Appendices as indicated:

- Active duty decrement rates (Appendix G)
- Drilling and non-drilling (with 20 good years) reserve decrement rates (Appendix H)
- Retiree and survivor decrement rates (Appendix I)
- Detailed miscellaneous valuation parameters (Appendix J)

MEDICAL TREND SENSITIVITY

Future medical trend rates assumed in this valuation (described in Appendix D) represent an estimate of changes in the cost, mix and utilization of medical treatment over the next 100 years. A one percentage point change in the assumed healthcare cost trend rates would have the following effects on the Actuarial Liability and per capita normal cost.

TABLE 12

MEDICAL TREND SENSITIVITY

	Assumed Trend	1% Higher Trend	1% Lower Trend
Actuarial Liability as of 09/30/11 ($ millions)	$407,600	$545,781	$342,941
Per Capita Normal Cost for FY 2014			
Active Duty	$4,223	$6,857	$2,604
Reserve	$2,238	$3,487	$1,430

APPENDIX A

ELIGIBILITY AND PLAN PROVISIONS

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PLAN CHANGES INCLUDED FOR THE FIRST TIME IN THIS YEAR'S VALUATION

USFHP Eligibility

Effective October 1, 2012, a military retiree (or eligible family member) who becomes eligible for Medicare due to age may not enroll or stay enrolled in the US Family Health Plan, unless the military retiree (or eligible family member) was enrolled in the plan on September 30, 2012. This change to the USFHP eligibility rules is described in the National Defense Authorization Act for FY 2012 (P.L. 112-81, Section 708).

SUMMARY OF ELIGIBILITY REQUIREMENTS

History

Military medical care for families dates back to the late 1700s. The program known today as TRICARE has gone through many changes over the years, and it continues to change each year according to provisions made in the National Defense Authorization Act (NDAA). The 2001 NDAA added "expanded" pharmacy benefits as well as TRICARE For Life (TFL), a benefit plan for Medicare-eligible retirees and their Medicare-eligible dependents. TFL is a Medicare wraparound plan, added by Congress with the provision that the plan be funded in an actuarially sound manner.

The information in this Appendix describes eligibility and benefit provisions assumed in this year's valuation. Future plan changes, if any, will be included in this Appendix when such changes are incorporated into the valuation assumptions.

General Eligibility Requirements - TRICARE

Retired service members of the uniformed services and their family members (spouses and children) are eligible for TRICARE. The uniformed services include the U.S. Army, U.S. Air Force, U.S. Navy, U.S. Marine Corps, U.S. Coast Guard, the Commissioned Corps of the Public Health Service and the Commissioned Corps of the National Oceanic and Atmospheric Administration.

Unmarried children remain eligible up to their 21st birthday (or 23rd birthday if a full-time student), or while severely disabled if disability occurs before one of these limiting ages and the child remains financially dependent on the TRICARE-eligible parent. Notwithstanding these requirements, unmarried children under age 26 who do not satisfy the eligibility conditions for subsidized TRICARE coverage and who do not have access to employer sponsored health care coverage may purchase nonsubsidized coverage as part of the TRICARE Young Adult program (which became effective May 1, 2011).

Survivors

Survivors retain coverage if the retired sponsor dies. Available health plan options and costs depend on the survivor's status: survivor or transitional survivor. "Transitional survivor" refers to a survivor of a sponsor who dies while on active duty. "Survivor" refers to a survivor of a sponsor who dies after retirement. A transitional surviving spouse maintains transitional survivor status for three years (or until remarriage, if earlier), and then converts to regular surviving spouse status. A transitional surviving dependent child maintains transitional survivor status for three years, (or until the child reaches the eligibility age limit or marries, if earlier), and then converts to regular survivor dependent status. Surviving spouses maintain TRICARE eligibility for life unless they remarry (a non-service member). Surviving dependents maintain TRICARE eligibility until the child reaches the eligibility age limit or marries, if earlier.

Transitional survivors pay costs and receive medical coverage equal to that of an active duty family member. Survivors pay costs and receive medical coverage equal to that of a retired family member.

OACT does not distinguish between transitional survivors and other survivors when developing the MERHCF retiree medical liabilities. Almost all of the survivors eligible for Medicare are no longer eligible for transitional benefits, and the medical plan that most Medicare-eligible survivors use requires no contribution. Regardless, OACT does not value medical plan contributions explicitly; rather, the contributions are netted against plan administration costs.

Medically-Retired Service Members (Disabled)

For a service member to be placed on the Temporary Disabled Retirement List (TDRL), their Service has determined that they have a physical condition, injury or disease that renders them unfit for military service, and the member must receive a disability rating from the service of at least 30 percent. This rating is a separate rating from the one given by the Department of Veteran's Affairs (VA).

TDRL members are re-evaluated by the Service at least every 18 months for a period of up to five years. At that time, the Service determines whether the situation has improved, remained the same or has gotten worse. Depending on the outcome, the member can be retained on the TDRL, separated from service, returned to duty or placed on Permanent Disability Retirement List (PDRL).

As long as the member is on TDRL or PDRL, he or she is eligible for TRICARE benefits as described above (as long as they are registered in DEERS). Eligible family members (registered in DEERS) are also eligible for TRICARE benefits like any other family member of a retired service member.

Retired National Guard or Reserve Members

Retired members of the National Guard or Reserves are not eligible for subsidized TRICARE health benefits until they reach age 60 and are eligible for retiree pay.

Former (Divorced) Spouses

Former (divorced) spouses of active, retired or former military members may be eligible for TRICARE if they meet the following requirements:

1. Must not have remarried. (If remarried, the loss of benefits remains applicable even if the remarriage ends in death or divorce.)
2. Must not be covered by an employer-sponsored health plan.
3. Must not be the former spouse of a North Atlantic Treaty Organization or Partners for Peace nation member.
4. Must meet the requirements of one (not all) of the following three situations:

Situation 1

- Must have been married to the SAME member or former member for at least 20 years, and at least 20 of those years must have been creditable in determining the member's eligibility for retirement pay.
- If the date of the final decree of divorce or annulment was on or after February 1, 1983, the former spouse is eligible for TRICARE coverage of health care that is received after the date of the divorce or annulment.
- If the date of the final decree is before February 1, 1983, the former spouse is eligible for TRICARE coverage of health care received on or after January 1, 1985.

Eligibility of the former spouse continues as long as the preceding requirements continue to be met.

Situation 2

- Must have been married to the SAME member or former member for at least 20 years, and at least 15, but less than 20, of those years must have been creditable in determining the member's eligibility for retirement pay.
- If the date of the final decree of divorce or annulment is before April 1, 1985, the former spouse is eligible only for care received on or after January 1, 1985, or the date of the decree, whichever is later.

Eligibility of the former spouse continues as long as the preceding requirements continue to be met. However, if the date of the final divorce decree or annulment is on or after April 1, 1985, but before September 29, 1988, the former spouse is eligible for care received from the date of the decree until December 31, 1988, or two years from the date of the decree, whichever is later.

Situation 3

- Must have been married to the SAME member or former member for at least 20 years, and at least 15, but less than 20, of those years must have been creditable in determining the member's eligibility for retirement pay.

If the date of the final decree of divorce or annulment is on or after September 29, 1988, the former spouse is eligible only for care received for one year from the date of the decree.

SUMMARY OF PLAN PROVISIONS

Plan Options and Plan Provisions for Retired Beneficiaries

Retired service members and their family members and survivors are eligible for the following health plan options depending on where they live:

- TRICARE Prime (if under age 65)
- TRICARE Standard and Extra
- US Family Health Plan (in specific U.S. locations)
- TRICARE For Life (with Medicare Part A & B coverage)
- TRICARE Standard Overseas

Note: Retired service members and their families are also eligible to purchase dental coverage through the TRICARE Retiree Dental Program. Since military retirees are required to pay the full cost of retiree dental benefits, OACT excludes dental coverage and claims from the development of the postretirement health valuation. Only a small, immaterial group of survivors of uniformed personnel who die while on active duty are eligible for up to three years of subsidized dental benefits, and most, if not all, of these transitional survivors are not eligible for Medicare. Therefore, dental plan options are not described in this report.

Eligible Benefit Payments to be Paid from the MERHCF

Section 1113 of Title 10, U.S. Code (U.S.C.) states that the MERHCF is responsible for paying the costs of health care benefits for all eligible retirees of the uniformed services who are entitled to retired or retainer pay and who are eligible for Medicare Part A (and their eligible dependents who are eligible for Medicare Part A).

TRICARE Plan Options for Medicare-Eligible Retirees and their Medicare-Eligible Dependents

The following medical plan options are available to Medicare-eligible retired beneficiaries:

- TRICARE For Life (with Medicare Part A & Part B coverage)
- US Family Health Plan (in specific U.S. locations)
- TRICARE Prime (if under age 65)
- TRICARE Standard and Extra (if not eligible for premium free Medicare Part A)

Medicare-eligible retirees and their Medicare-eligible dependents can receive benefits under TFL if they sign up for Medicare Part B. There currently is no member contribution required for TFL. Instead of TFL, Medicare-eligible retirees can choose to enroll in (and pay for) a US Family Health Plan (USFHP), depending on whether the plan is available in the members' location. The member contribution and copayments for USFHP are waived if the member pays for Medicare Part B. Medicare-eligible retired beneficiaries who are under age 65 can also elect TRICARE Prime, and the member contribution is waived if the member pays for Medicare Part B.

Key Features of TRICARE For Life

TFL is a Medicare wrap-around plan that also covers prescription drugs. Therefore, Medicare is the primary payer for Medicare Part A and Part B services. If a member is covered by other health insurance (other than Medicaid), that other coverage pays second, and TFL pays last. TFL pays similarly to TRICARE Standard when a member is overseas and Medicare is not available.

Table A1 summarizes medical coverage available to Medicare-eligible beneficiaries under the TFL plan (both in the U.S. and overseas). Table A2 summarizes medical coverage available to Medicare eligible beneficiaries under TRICARE Prime and the USFHP.

TABLE A1

TRICARE FOR LIFE BENEFIT SUMMARY

(For Retired Medicare-eligible Beneficiaries)

	TRICARE For Life	TRICARE For Life (while in an overseas area that doesn't have Medicare)
Type of Plan	TRICARE For Life (TFL) offers Medicare wraparound coverage to TRICARE beneficiaries who are entitled to Medicare Part A due to age, disability or end-stage renal disease and have purchased Medicare Part B. TRICARE pays second to Medicare for services covered by both TRICARE and Medicare.	TRICARE For Life (TFL) is available to TRICARE beneficiaries overseas who are entitled to Medicare Part A due to age, disability or end-stage renal disease and who have Medicare Part B coverage. Because Medicare typically does not provide benefits overseas, TRICARE is the primary source of health benefits. TFL provides the same coverage as TRICARE Standard Overseas, with the same cost shares and deductibles.
Eligibility Requirements	TFL is available to TRICARE beneficiaries entitled to Medicare Part A and enrolled in Medicare Part B.	TFL is available to TRICARE beneficiaries entitled to Medicare Part A and enrolled in Medicare Part B.
Providers	Member may receive care from any Medicare provider. For referrals, Medicare rules apply. ***Note:*** If coverage is exhausted under Medicare, member may need to obtain authorization from regional contractor for some services.	Coverage under TFL is similar to TRICARE Standard Overseas in areas not covered by Medicare. Member may seek care from any qualified host nation provider without a referral.
Filing Claims	Provider will file the claims with Medicare. Medicare will pay its portion and automatically forward the claim electronically to TRICARE for processing.	Member may be required to pay for care up front and file claims with Wisconsin Physicians Service, the TRICARE Overseas claims processor.
Enrollment	There is no enrollment in TFL (and no enrollment fee). However, enrollment in Medicare Part B is required.	There is no enrollment in TFL (and no enrollment fee). However, enrollment in Medicare Part B is required.
Annual Deductible	For services covered by TRICARE and Medicare, no annual deductible applies. For services covered by Medicare, but not TRICARE, the Medicare annual deductible applies. For services covered by TRICARE, but not Medicare, the TRICARE annual deductible applies: ▪ $150/Individual ▪ $300/Family	▪ $150/Individual ▪ $300/Family
Outpatient Visit	Services covered by TRICARE and Medicare ▪ Member pays nothing Services covered by Medicare, but not	Military Treatment Facility ▪ No charge

TABLE A1

TRICARE FOR LIFE BENEFIT SUMMARY

(For Retired Medicare-eligible Beneficiaries)

	TRICARE For Life	TRICARE For Life (while in an overseas area that doesn't have Medicare)
	TRICARE. ▪ Medicare cost shares apply Services covered by TRICARE, but not Medicare. ▪ TRICARE network provider: ➢ 20% of the negotiated rate after the annual deductible is met ▪ Non-network provider: ▪ 25% of the allowable charge after the annual deductible is met Services not covered by TRICARE or Medicare ▪ Member pays the total amount	Host Nation Provider ▪ 25% of billed charges after the annual deductible is met
Preventive Services	Services covered by TRICARE and Medicare ▪ Member pays nothing Services covered by Medicare, but not TRICARE ▪ Medicare cost shares apply Services covered by TRICARE, but not Medicare ▪ TRICARE network provider: ➢ 20% of the negotiated rate after the annual deductible is met ▪ Non-network provider: ➢ 25% of the allowable charge after the annual deductible is met Services not covered by TRICARE or Medicare ▪ Member pays the total amount	Military Treatment Facility ▪ No charge Host Nation Provider ▪ 25% of billed charges after the annual deductible is met
Inpatient Hospital	Services Covered by TRICARE and Medicare ▪ Member pays nothing (days 1-150) Services Covered by Medicare, but not TRICARE ▪ Medicare cost shares apply Services covered by TRICARE, but not Medicare	Military Treatment Facility ▪ Nominal charges may apply (check with local facility for details) Host Nation Provider ▪ $535 per day or 25% for institutional services,

TABLE A1

TRICARE FOR LIFE BENEFIT SUMMARY

(For Retired Medicare-eligible Beneficiaries)

	TRICARE For Life	TRICARE For Life (while in an overseas area that doesn't have Medicare)
	▪ 151+ days ▪ TRICARE network provider: ➢ $250 per day or 25% of institutional charges, whichever is less, plus 20% of professional charges. ▪ Non-network provider: ➢ $535 per day or 25% of billed charges for institutional services, whichever is less, plus 25% of allowable for professional charges Services not Covered by TRICARE or Medicare ▪ Member pays the total amount	whichever is less, plus 25% for separately billed services
Emergency Services	Services covered by TRICARE and Medicare ▪ Member pays nothing Services covered by Medicare, but not TRICARE ▪ Medicare cost shares apply Services covered by TRICARE, but not Medicare ▪ TRICARE network provider: ➢ 20% of the negotiated rate after the annual deductible is met ▪ Non-network provider: ➢ 25% of the allowable charge after the annual deductible is met Services not covered by TRICARE or Medicare ▪ Member pays the total amount	Military Treatment Facility ▪ No charge ▪ If admitted, nominal charges may apply (check with local facility for details) Host Nation Provider ▪ 25% of billed charges after the annual deductible is met
Outpatient Behavioral Health care	Services covered by TRICARE and Medicare ▪ Member pays nothing Services covered by Medicare, but not TRICARE ▪ Medicare cost shares apply Services covered by TRICARE, but not Medicare ▪ TRICARE network provider: ➢ 20% of the negotiated rate after the annual deductible is met ▪ Non-network provider: ➢ 25% of the allowable charge after the annual deductible is met	Military Treatment Facility ▪ No charge Host Nation Provider ▪ 25% of billed charges after the annual deductible is met

TABLE A1

TRICARE FOR LIFE BENEFIT SUMMARY

(For Retired Medicare-eligible Beneficiaries)

	TRICARE For Life	TRICARE For Life (while in an overseas area that doesn't have Medicare)
	Services not covered by TRICARE or Medicare Member pays the total amount	
Inpatient Behavioral Health Care	Services Covered by TRICARE and Medicare ▪ Member pays nothing (1-150 days) Services Covered by Medicare, but not TRICARE ▪ Medicare cost shares apply Services covered by TRICARE, but not Medicare ▪ 151+ days ▪ TRICARE network provider: ➢ 20% of total charge, plus, 20% for separately billed services ▪ Non-network provider: ➢ High-volume Hospitals: 25% hospital specific per diem, plus 25% for separately billed professional services ➢ Low-volume Hospitals: $187 per day or 25% of the billed charges, whichever is less, plus 25% for separately billed services ➢ Residential Treatment Center: 25% of the allowed amount ➢ Partial Hospitalization: 25% of the allowed amount, plus 25% of the allowable charge for separately billed professional services Services not Covered by TRICARE or Medicare ▪ Member pays the total amount	Military Treatment Facility ▪ Nominal charges may apply (check with local facility) Host Nation Provider ▪ High-volume Hospitals: 25% hospital specific per diem, plus 25% for separately billed professional services ▪ Low-volume Hospitals: $187 per day or 25% of the billed charges, whichever is less, plus 25% for separately billed services ▪ Residential Treatment Center: 25% of the allowed amount ▪ Partial hospitalization: 25% of the allowed amount, plus 25% of the allowable charge for separately billed professional services
Inpatient Skilled Nursing Care	Services Covered by TRICARE and Medicare ▪ Member pays nothing (1-100 days) Services Covered by Medicare, but not TRICARE ▪ Medicare cost shares apply Services covered by TRICARE, but not Medicare ▪ 101+ days ▪ TRICARE network provider: ➢ $250 per day or 25% of institutional charges, whichever is less, plus 20% of professional charges	Military Treatment Facility ▪ Nominal charges may apply (check with local facility) Host Nation Provider ▪ $535 per day or 25% for institutional services, whichever is less, plus 25% for separately billed services

TABLE A1

TRICARE FOR LIFE BENEFIT SUMMARY

(For Retired Medicare-eligible Beneficiaries)

	TRICARE For Life	TRICARE For Life (while in an overseas area that doesn't have Medicare)
	▪ Non-network provider: ➢ $535 per day or 25% of billed charges for institutional services, whichever is less, plus 25% of allowable for professional charges Services not Covered by TRICARE or Medicare ▪ Member pays the total amount	
Annual Out - of-pocket Maximum	$3,000 per family, per fiscal year	$3,000 per family, per fiscal year
Pharmacy	Retail Network Pharmacy (30-day supply) ▪ Tier 1 (generic): $5 ▪ Tier 2 (formulary brand): $12 ▪ Tier 3 (non-formulary): $25 (unless medical necessity is proven, then $12) Mail Order Pharmacy (90 day supply) ▪ Tier 1 (generic): $0 ▪ Tier 2 (formulary brand): $9 ▪ Tier 3 (non-formulary): $25 (unless medical necessity is proven, then $9) Military Treatment Facility (90 day supply) ▪ Tier 1 (generic): $0 ▪ Tier 2 (formulary brand): $0 ▪ Tier 3 (non-formulary): n/a Non-network Pharmacy (30-day supply) ▪ Tier 1 (generic): $12 or 20% of the total cost, whichever is greater, after annual outpatient deductible is met ▪ Tier 2 (formulary brand): $12 or 20% of the total cost, whichever is greater, after annual outpatient deductible is met ▪ Tier 3 (non-formulary): $25 or 20% of the total cost, whichever is greater, after annual outpatient deductible is met	Host Nation (30-day supply) ▪ Member pays 25% after annual outpatient deductible is met Mail Order Pharmacy (90 day supply) ▪ Tier 1 (generic): $0 ▪ Tier 2 (formulary brand): $9 ▪ Tier 3 (non-formulary): $25 (unless medical necessity is proven, then $9) Military Treatment Facility (90 day supply) ▪ Tier 1 (generic): $0 ▪ Tier 2 (formulary brand): $0 ▪ Tier 3 (non-formulary): n/a

TABLE A2

TRICARE PRIME AND USFHP BENEFIT SUMMARIES

(For Retired Medicare-eligible Beneficiaries)

	TRICARE Prime	US Family Health Plan
Type of Plan	TRICARE Prime is a managed care option offering the most affordable and comprehensive coverage.	The US Family Health Plan (USFHP) is a TRICARE Prime option available through networks of community-based, not-for-profit health care systems in six areas of the United States.
Eligibility Requirements	In general, retirees, their eligible family members and survivors under age 65 are eligible for TRICARE Prime if it's offered in their location.	Retirees and their eligible family members and survivors, including Medicare-eligible beneficiaries over age 65, are eligible to enroll if they were enrolled in USFHP on September 30, 2012, and if they reside in one of the Zip code defined service areas in the following states: ▪ Connecticut ▪ Louisiana ▪ Maine ▪ Maryland ▪ Massachusetts ▪ New Hampshire ▪ New Jersey ▪ New York ▪ Pennsylvania ▪ Rhode Island ▪ Texas ▪ Virginia ▪ Washington ▪ West Virginia
Main Features	▪ Assigned primary care manager (PCM) provides most care and gives referrals for specialty care ▪ Point of service (POS) option available to receive care without a PCM referral ▪ Fewer out-of-pocket costs ▪ Enhanced vision coverage and preventive care	▪ Assigned primary care physician from plan's network who will provide referrals for specialty care ▪ Few out-of-pocket costs (all out-of-pocket costs are waived when member is enrolled in Medicare Part B, except the Medicare Part B premiums) ▪ The only TRICARE Prime option that offers benefits to members age 65+, regardless of whether member signs up for Medicare Part B ▪ Enhanced benefits and services including discounts for eyeglasses, hearing aids and dental care in some areas ***Note:*** USFHP members cannot access care at a military treatment facility (MTF) or any other TRICARE provider, or fill prescriptions at MTF pharmacies, TRICARE network pharmacies or the TRICARE mail order pharmacy. Each of the six

TABLE A2

TRICARE PRIME AND USFHP BENEFIT SUMMARIES

(For Retired Medicare-eligible Beneficiaries)

	TRICARE Prime	US Family Health Plan
		USFHPs offers its own prescription drug plan.
Providers	Member must select a PCM, or one is assigned. PCM may be a military treatment facility (MTF) provider or a civilian TRICARE network provider. The PCM: ▪ Provides routine health care ▪ Coordinates referrals for specialty care that he or she cannot provide ▪ Assists with prior authorizations, when needed ▪ Maintains patient health records Members have the first priority for appointments at MTFs, and when MTF care is not available, member will be referred to a TRICARE network provider. The POS option allows members to seek care from any provider without a referral from a PCM, but at a higher out-of-pocket cost.	Member does not access Medicare, military treatment facilities or TRICARE network providers, but instead obtains care from a primary care physician (PCP) selected from a network of private physicians affiliated with one of the not-for-profit health care systems offering the plan. A PCP will assist member in getting appointments for specialists in the area and in coordinating care.
Filing Claims	Provider will file claims (in most cases).	There are no claim forms when member sees providers approved by the plan.
Enrollment	Beneficiaries must enroll in TRICARE Prime in order to receive coverage. Retirees, their families and all others must pay an annual enrollment fee: ▪ $260/Individual ▪ $520/Family *Note*: enrollment fee is applied toward the annual maximum out-of-pocket Fee shown applies in FY 2012 and is scheduled to increase each year. Certain groups (survivors of active duty deceased, and medically-retired service members and their dependents) pay lower amounts.	Beneficiaries must enroll in USFHP in order to receive coverage. Retirees, their families and all others must pay an annual enrollment fee, unless enrolled in Medicare Part B. ▪ $260/Individual ▪ $520/Family *Note*: enrollment fee is applied toward the annual maximum out-of-pocket Fee shown applies in FY 2012 and is scheduled to increase each year. Certain groups (survivors of active duty deceased, and medically-retired service members and their dependents) pay lower amounts.
Annual Deductible	There is no annual deductible unless member uses the POS option (seeing any provider without a referral from the PCM). POS outpatient annual deductible: ▪ $300/Individual ▪ $600/Family	There is no annual deductible.
Outpatient Visit	Military Treatment Facility Member pays nothing	▪ $12 per visit ▪ $0 if enrolled in Medicare Part B

TABLE A2

TRICARE PRIME AND USFHP BENEFIT SUMMARIES

(For Retired Medicare-eligible Beneficiaries)

	TRICARE Prime	US Family Health Plan
	TRICARE Network Provider ▪ PCM visit: $12 ▪ Specialist with referral: $12 ▪ Specialist without referral: 50% of the TRICARE allowable charge, after the POS annual deductible is met Non-network Provider ▪ With PCM referral: $12 ▪ Without PCM referral: 50% of the TRICARE allowable charge, after the POS annual deductible is met	
Preventive Services	Military Treatment Facility Member pays nothing. TRICARE Network Provider Member pays nothing. Non-network Provider ▪ With PCM referral: No charge ▪ Without PCM referral: 50% of the TRICARE allowable charge, after the POS annual deductible is met	Member pays nothing.
Inpatient Hospital	Military Treatment Facility Nominal charges may apply (check with local facility for details) TRICARE Network Provider ▪ $11 per day ($25 minimum) Non-network Provider ▪ With PCM referral: $11 per day ($25 minimum) ▪ Without PCM referral: 50% of the TRICARE allowable charge, after the POS annual deductible is met	▪ $11/day ($25 minimum) ▪ $0 if enrolled in Medicare Part B
Emergency Services	Military Treatment Facility ▪ No charge ▪ Nominal charges may apply if admitted (check with local facility for details) TRICARE Network Provider	▪ $30 per visit ▪ $0 if enrolled in Medicare Part B

TABLE A2

TRICARE PRIME AND USFHP BENEFIT SUMMARIES

(For Retired Medicare-eligible Beneficiaries)

	TRICARE Prime	US Family Health Plan
	▪ $30 per visit Non-network Provider ▪ $30 per visit	
Outpatient Behavioral Health Care	Military Treatment Facility ▪ Member pays nothing. TRICARE Network Provider ▪ $25 (individual visit) ▪ $17 (group visit) Non-network Provider ▪ With PCM referral: Same as network provider costs ▪ Without PCM referral: 50% of the TRICARE allowable charge, after the POS annual deductible is met	▪ $25 (individual visit) ▪ $17 (group visit) ▪ $0 if enrolled in Medicare Part B
Inpatient Behavioral Health Care	Military Treatment Facility ▪ Nominal charges may apply (check with local facility for details) TRICARE Network Provider $40 per day ($25 minimum) Non-network Provider ▪ With PCM referral: Same as network provider costs Without PCM referral: 50% of the TRICARE allowable charge, after the POS annual deductible is met	▪ $40/day ($25 minimum) ▪ $0 if enrolled in Medicare Part B)
Inpatient Skilled Nursing Care	Military Treatment Facility ▪ Nominal charges may apply (check with local facility for details) TRICARE Network Provider ▪ $11 per day ($25 minimum Non-network Provider ▪ With PCM referral: Same as network provider costs Without PCM referral: 50% of the TRICARE allowable charge	▪ $11/day ($25 minimum) ▪ $0 if enrolled in Medicare Part B
Annual Out-of-pocket Maximum	$3,000 per family, per fiscal year ***Note:*** POS fees do not apply toward meeting the annual out-of-pocket maximum	$3,000 per family, per fiscal year

TABLE A2

TRICARE PRIME AND USFHP BENEFIT SUMMARIES

(For Retired Medicare-eligible Beneficiaries)

	TRICARE Prime	US Family Health Plan
Pharmacy	Retail Network Pharmacy (30-day supply) ▪ Tier 1 (generic): $5 ▪ Tier 2 (formulary brand): $12 ▪ Tier 3 (non-formulary): $25 (unless medical necessity is proven, then $12) Mail Order Pharmacy (90 day supply) ▪ Tier 1 (generic): $0 ▪ Tier 2 (formulary brand): $9 ▪ Tier 3 (non-formulary): $25 (unless medical necessity is proven, then $9) Military Treatment Facility (90 day supply) ▪ Tier 1 (generic): $0 ▪ Tier 2 (formulary brand): $0 ▪ Tier 3 (non-formulary): n/a Non-network Pharmacy (30-day supply) 50% of total cost after POS deductible	Network Pharmacy (30-day supply) ▪ Tier 1 (generic): $5 ▪ Tier 2 (formulary brand): $12 ▪ Tier 3 (non-formulary): $25 (unless medical necessity is proven, then $12) Mail Order Pharmacy (90 day supply) ▪ Tier 1 (generic): $0 ▪ Tier 2 (formulary brand): $9 ▪ Tier 3 (non-formulary): $25 (unless medical necessity is proven, then $9)
Plan Availability	TRICARE Prime is available throughout the continental United States in areas known as Prime service areas.	The US Family Health Plan is available through not-for-profit health care systems in designated Zip codes in 6 areas of the country: ▪ Brighton Marine Health Center Serving Massachusetts (including Cape Cod), northern Connecticut, southern New Hampshire and Rhode Island ▪ CHRISTUS Health Serving southeast Texas and southwest Louisiana ▪ Johns Hopkins Medicine Serving central Maryland, Washington DC and parts of Pennsylvania, Virginia and West Virginia ▪ Martin's Point Health Care Serving Maine, Vermont, New Hampshire and northeastern New York ▪ PacMed Clinics Serving the Puget Sound area of Washington State ▪ Saint Vincent Catholic Medical Centers Serving parts of New York, all of New Jersey, eastern Pennsylvania and southern Connecticut

APPENDIX B

SUPPLEMENTAL VALUATION RESULTS

Page

Supplemental Valuation Results B-2

Table B1: Actuarial Liability by Benefit Type B-2

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Table B4: Per Capita Reserve Normal Cost B-4

Table B5: Liability (Gain)/Loss Reconciliation B-5

Table B6: Asset (Gain)/Loss B-7

Table B7: Past and Projected Unfunded Liability Payments B-8

Table B8: Past and Projected Unfunded Liability Balances B-9

SUPPLEMENTAL VALUATION RESULTS

Tables B1 through B4 provide additional breakdowns of the Actuarial Liability and per capita Normal Costs (NCs). Table B5 shows the reconciliation of the MERHCF liability (gain)/loss. Table B6 provides details regarding the MERHCF's asset gain.

Historical and projected components of the Unfunded Liability amortization payments are shown in Table B7. Historical and projected UFL balances are shown in Table B8. Note that:

- No future gains or losses are projected after the current valuation year.
- Gains are shown as negative numbers.

TABLE B1

SEPTEMBER 30, 2011 MERHCF ACTUARIAL LIABILITY BY BENEFIT TYPE

($millions)

	Direct Care	Purchased Care	Total	Proportion of Total		
				DC	PC	Total
Inpatient	$15,996	$41,091	$57,087	3.9%	10.1%	14.0%
Outpatient	$24,335	$135,270	$159,605	6.0%	33.2%	39.2%
Pharmacy	$19,753	$152,657	$172,410	4.8%	37.5%	42.3%
USFHP	$0	$18,498	$18,498	0.0%	4.5%	4.5%
Total	$60,084	$347,516	$407,600	14.7%	85.3%	100.0%

Table B2 shows the breakout of the AL by Active Duty and Reserve (drilling reserves and gray-area reserves), by In-service (currently active duty or reserves) and Inactive (currently retired, and their survivors and dependents), and by direct care (DC) and purchased care (PC).

TABLE B2

SEPTEMBER 30, 2011 MERHCF ACTUARIAL LIABILITY

BY SPONSOR STATUS

($millions)

	Active Duty		
	DC	PC	Total
In-service	$13,346	$59,421	$72,767
Inactive	$40,435	$195,562	$235,997
Total	$53,781	$254,983	$308,764
	Reserve		
	DC	PC	Total
In-service	$3,863	$57,021	$60,884
Inactive	$2,440	$35,513	$37,952
Total	$6,303	$92,533	$98,836
	Total		
	DC	PC	Total
In-service	$17,209	$116,442	$133,651
Inactive	$42,875	$231,075	$273,949
Total	$60,084	$347,516	$407,600

TABLE B3

FY 2014 MERHCF PER CAPITA ACTIVE DUTY NORMAL COST

	Direct Care	Purchased Care	Total	Proportion of Total		
				DC	PC	Total
Inpatient	$179	$408	$587	4.2%	9.7%	13.9%
Outpatient	$323	$1,533	$1,856	7.6%	36.3%	43.9%
Pharmacy	$208	$1,572	$1,780	4.9%	37.2%	42.2%
USFHP	$0	$0	$0	0.0%	0.0%	0.0%
Total	$710	$3,513	$4,223	16.8%	83.2%	100.0%

					Proportion of Total			
	Non-disabled Retiree	Disabled Retiree	Survivor	Total	Non-disabled Retiree	Disabled Retiree	Survivor	Total
Total	$3,096	$221	$906	$4,223	73.3%	5.2%	21.5%	100.0%

TABLE B4

FY 2014 MERHCF PER CAPITA RESERVE NORMAL COST

	Direct Care	Purchased Care	Total		Proportion of Total DC	PC	Total
Inpatient	$24	$215	$239		1.1%	9.6%	10.7%
Outpatient	$46	$888	$934		2.0%	39.7%	41.7%
Pharmacy	$70	$995	$1,066		3.1%	44.5%	47.6%
USFHP	$0	$0	$0		0.0%	0.0%	0.0%
Total	$140	$2,099	$2,238		6.3%	93.7%	100.0%

	Non-disabled Retiree	Disabled Retiree	Survivor	Total	Proportion of Total Non-disabled Retiree	Disabled Retiree	Survivor	Total
Total	$1,791	$0	$447	$2,238	80.0%	0.0%	20.0%	100.0%

TABLE B5

SEPTEMBER 30, 2011 MERHCF LIABILITY (GAIN)/LOSS RECONCILIATION

	Actuarial Liability			Normal Cost						
Step	As of	Amount ($ millions)	% Change From Prior Step	FY	Active Duty	% Change From Prior Step	Reserve	% Change From Prior Step	Actuarial Liability (Gain)/Loss ($ millions)	(Gain)/Loss Category
	09/30/10	$440,341		FY13	$4,702		$2,597			
0	09/30/11	$465,138	5.63%	FY14	$4,972	5.75%	$2,746	5.75%	$24,797	Expected
1	09/30/11	$466,014	0.19%	FY14	$4,972	0.00%	$2,746	0.00%	$876	Experience
2	09/30/11	$468,287	0.49%	FY14	$5,004	0.64%	$2,756	0.36%	$2,273	Assumption
3	09/30/11	$467,282	-0.21%	FY14	$4,992	-0.24%	$2,750	-0.22%	($1,006)	Assumption
4	09/30/11	$460,784	-1.39%	FY14	$4,920	-1.43%	$2,727	-0.86%	($6,498)	Experience
5	09/30/11	$459,904	-0.19%	FY14	$4,911	-0.19%	$2,722	-0.18%	($880)	Assumption
6	09/30/11	$449,008	-2.37%	FY14	$4,787	-2.52%	$2,645	-2.83%	($10,895)	Assumption
7	09/30/11	$449,391	0.09%	FY14	$4,796	0.19%	$2,638	-0.26%	$382	Assumption
8	09/30/11	$448,313	-0.24%	FY14	$4,789	-0.16%	$2,633	-0.19%	($1,078)	Assumption
9	09/30/11	$430,449	-3.98%	FY14	$4,586	-4.23%	$2,504	-4.90%	($17,864)	Assumption
10	09/30/11	$407,600	-5.31%	FY14	$4,223	-7.91%	$2,238	-10.60%	($22,849)	Plan

A description of the steps shown in Table B5 follows.

0. Expected results on September 30, 2011, based on a roll-forward of September 30, 2010, valuation results.

1. Bring in new census data (as of September 30, 2011).

2. Apply another year of mortality improvement to mortality rates[1]. Mortality rates are improved to the valuation date.

3. Update spouses per sponsor rates.

4. Calibrate 2011 cash flow generated by the model to actual 2011 incurred cost levels (both Purchased Care and Direct Care).

5. Update administration cost loads.

6. Update plan participation rates.

7. Update claim vectors.

8. Update retail pharmacy drug rebate assumption.

9. Update medical trend rates.

10. Plan Change: USFHP eligibility change.

[1] Mortality improvement factors are based on DoD experience, using data from 1975 – 2010.

TABLE B6

SEPTEMBER 30, 2011, MERHCF ASSET (GAIN)/LOSS

($millions)

	(Gain)/Loss	% of 9/30/2011 Fund
1. Incurred benefit payments vs. expected	($237)	-0.1%
2. Implemented per capita NCs vs. expected	($3,220)	-1.7%
3. Force strengths vs. expected	$38	0.0%
4. Unexpected, nonrecurring deposit	$0	0.0%
5. Yield vs. expected	$1,354	0.7%
6. Total	($2,065)	-1.1%

Percentages shown are ratios of absolute values of each gain or loss component to the actuarial value of the MERHCF.

TABLE B7

PAST AND PROJECTED MERHCF UNFUNDED LIABILITY PAYMENTS
ON OCTOBER 1

($millions)

Calendar Year	Original UFL	Assumption Changes	Benefit Changes	Actuarial Experience	Total
2002	$14,369	$0	$0	$0	$14,369
2002 (restate)	$14,369	$0	$0	$0	$14,369
2003	$16,260	$0	$0	$0	$16,260
2004	$16,082	($1,014)	$0	$653	$15,721
2005	$16,686	($973)	$0	$899	$16,612
2006	$17,311	($1,968)	$0	$265	$15,608
2007	$17,164	($3,256)	$0	($978)	$12,930
2008	$17,016	($4,239)	$0	($2,117)	$10,660
2009	$17,654	($5,031)	$0	($2,617)	$10,006
2010	$18,316	($6,303)	$0	($2,228)	$9,785
2011	$19,003	($9,254)	($478)	($2,555)	$6,716
2012	$21,603	($10,919)	($1,543)	($2,999)	$6,142
2013	$22,413	($11,329)	($1,601)	($3,112)	$6,371
2014	$23,254	($11,754)	($1,661)	($3,228)	$6,611
2015	$24,126	($12,194)	($1,723)	($3,349)	$6,860
2016	$25,030	($12,652)	($1,788)	($3,475)	$7,115
2017	$25,969	($13,126)	($1,855)	($3,605)	$7,383
2018	$26,943	($13,618)	($1,924)	($3,740)	$7,661
2019	$27,953	($14,129)	($1,997)	($3,881)	$7,946
2020	$29,001	($14,659)	($2,072)	($4,026)	$8,244
2021	$30,089	($15,209)	($2,149)	($4,177)	$8,554
2022	$31,217	($15,779)	($2,230)	($4,334)	$8,874
2023	$32,388	($16,371)	($2,313)	($4,496)	$9,208
2024	$33,602	($16,985)	($2,400)	($4,665)	$9,552
2025	$34,862	($17,622)	($2,490)	($4,840)	$9,910
2026	$36,170	($18,282)	($2,584)	($5,022)	$10,282
2027	$37,526	($18,968)	($2,680)	($5,210)	$10,668
2028	$38,933	($19,679)	($2,781)	($5,405)	$11,068
2029	$40,393	($20,417)	($2,885)	($5,608)	$11,483
2030	$41,908	($21,183)	($2,994)	($5,818)	$11,913
2031	$43,480	($21,977)	($3,106)	($6,036)	$12,361
2032	$45,110	($22,801)	($3,222)	($6,263)	$12,824
2033	$46,802	($23,656)	($3,343)	($6,498)	$13,305
2034	$48,557	($24,544)	($3,468)	($6,741)	$13,804
2035	$50,378	($25,464)	($3,599)	($6,994)	$14,321
2036	$52,267	($26,419)	($3,733)	($7,257)	$14,858
2037	$54,227	($27,410)	($3,874)	($7,529)	$15,414
2038	$56,260	($26,950)	($4,019)	($6,111)	$19,179
2039	$58,370	$0	($4,169)	$0	$54,201
2040	$60,559	$0	($4,326)	$0	$56,233
2041	$62,830	$0	($3,081)	$0	$59,749
2042	$65,186	$0	$0	$0	$65,186
2043	$67,631	$0	$0	$0	$67,631
2044	$70,167	$0	$0	$0	$70,167
2045	$72,798	$0	$0	$0	$72,798
2046	$75,529	$0	$0	$0	$75,529
2047	$0	$0	$0	$0	$0
2048	$0	$0	$0	$0	$0
2049	$0	$0	$0	$0	$0
2050	$0	$0	$0	$0	$0
2051	$0	$0	$0	$0	$0
2052	$0	$0	$0	$0	$0

TABLE B8

PAST AND PROJECTED MERHCF UNFUNDED LIABLITY BALANCE ON SEPTEMBER 30
(BEFORE PAYMENT)
($millions)

Calendar Year	Original UFL	Assumption Changes	Benefit Changes	Actuarial Experience	Total UFL
2002	$405,553	$0	$0	$0	$405,553
2002 (restate)	$442,054	$0	$0	$0	$442,054
2003	$454,416	($20,704)	$0	$13,339	$447,050
2004	$465,540	($20,454)	$0	$18,703	$463,789
2005	$477,550	($40,252)	$0	$6,187	$443,485
2006	$489,668	($68,708)	$0	($20,195)	$400,765
2007	$500,698	($91,839)	$0	($46,424)	$362,435
2008	$511,337	($107,567)	$0	($57,265)	$346,505
2009	$522,745	($133,109)	$0	($48,757)	$340,879
2010	$534,133	($195,223)	($10,411)	($54,141)	$274,358
2011	$545,477	($228,850)	($33,859)	($62,584)	$220,184
2012	$556,746	($232,223)	($35,300)	($63,481)	$225,742
2013	$565,914	($234,029)	($35,698)	($63,960)	$232,227
2014	$574,752	($235,505)	($36,058)	($64,346)	$238,843
2015	$583,209	($236,617)	($36,375)	($64,633)	$245,585
2016	$591,231	($237,327)	($36,644)	($64,807)	$252,452
2017	$598,757	($237,594)	($36,860)	($64,859)	$259,444
2018	$605,723	($237,375)	($37,018)	($64,776)	$266,554
2019	$612,060	($236,623)	($37,112)	($64,546)	$273,780
2020	$617,693	($235,287)	($37,134)	($64,153)	$281,119
2021	$622,542	($233,314)	($37,078)	($63,584)	$288,565
2022	$626,519	($230,646)	($36,938)	($62,823)	$296,112
2023	$629,532	($227,222)	($36,704)	($61,852)	$303,754
2024	$631,480	($222,975)	($36,368)	($60,654)	$311,483
2025	$632,256	($217,835)	($35,921)	($59,209)	$319,292
2026	$631,744	($211,725)	($35,353)	($57,495)	$327,171
2027	$629,820	($204,566)	($34,654)	($55,490)	$335,110
2028	$626,351	($196,270)	($33,812)	($53,171)	$343,098
2029	$621,194	($186,745)	($32,815)	($50,513)	$351,121
2030	$614,197	($175,892)	($31,651)	($47,487)	$359,168
2031	$605,196	($163,604)	($30,305)	($44,064)	$367,222
2032	$594,014	($149,771)	($28,763)	($40,215)	$375,265
2033	$580,466	($134,271)	($27,010)	($35,904)	$383,282
2034	$564,350	($116,975)	($25,028)	($31,097)	$391,250
2035	$545,451	($97,746)	($22,799)	($25,757)	$399,149
2036	$523,540	($76,438)	($20,304)	($19,842)	$406,956
2037	$498,371	($52,895)	($17,524)	($13,308)	$414,644
2038	$469,682	($26,950)	($14,435)	($6,111)	$422,185
2039	$437,194	$0	($11,015)	$0	$426,179
2040	$400,607	$0	($7,240)	$0	$393,367
2041	$359,600	$0	($3,081)	$0	$356,519
2042	$313,835	$0	$0	$0	$313,835
2043	$262,946	$0	$0	$0	$262,946
2044	$206,545	$0	$0	$0	$206,545
2045	$144,220	$0	$0	$0	$144,220
2046	$75,529	$0	$0	$0	$75,529
2047	$0	$0	$0	$0	$0
2048	$0	$0	$0	$0	$0
2049	$0	$0	$0	$0	$0
2050	$0	$0	$0	$0	$0
2051	$0	$0	$0	$0	$0
2052	$0	$0	$0	$0	$0

APPENDIX C

VALUATION POPULATION DATA

Page

Valuation Population Data C-2

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Table C2: Summary: Eligible Retired Beneficiaries C-4

Active Duty and Reserve Tables by Age and Years of Active Duty Service:

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Table C7: DoD Selected Reserve Enlistees C-9

Table C8: DoD Selected Reserve Officers and Enlistees C-10

Table C9: DoD Non-Selected Reserve Officers with 20 Good Years C-11

Table C10: DoD Non-Selected Reserve Enlistees with 20 Good Years C-12

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Retiree Tables by Age:

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Table C14: DoD and all Uniformed Retired Officers and Enlistees C-18

Table C15: DoD and all Uniformed Surviving Spouses C-20

VALUATION POPULATION DATA

The population data used in the MERHCF valuation includes military personnel, retirees and their dependents. The 15 tables in this appendix provide an assortment of summary data.

DoD and All Uniformed Military Personnel

Tables C1 and C3 – C11 include summary data of military personnel. These tables include active duty and selected reserve personnel counts. Tables C9 – C11 include summary data on non-selected reserve personnel (who already have 20 or more good years). Dependents (spouses, children, and survivors) are not included in these tables; the MERHCF valuation includes assumptions about dependents and projects costs for dependents based on an analysis of retiree dependents and survivor data. Note that full-time selected reserves are included in the active duty counts, and only the part-time selected reserves are included in the selected reserve counts. Note also that non-selected reserves only include those with 20 or more good years.

Table C1

Active duty, selected reserve and non-selected reserve strengths are shown for DoD, Coast Guard, PHS and NOAA.

Tables C3, C4, and C5

Tables C3, C4 and C5 include DoD strengths of active duty officers, active duty enlistees, and active duty officers plus enlistees, respectively, by age and years of service as of the end of FY 2011. Note that the total active duty strength in table C5 ties to the FY 2011 DoD active duty strength shown in Table C1.

Tables C6, C7, and C8

Tables C6, C7 and C8 include DoD strengths of selected reserve officers, selected reserve enlistees, and selected reserve officers plus enlistees, respectively, by age and years of service as of the end of FY 2011. Note that the total selected reserve strength in table C8 ties to the FY 2011 DoD selected reserve strength shown in Table C1.

Tables C9, C10, and C11

Tables C9, C10 and C11 include DoD strengths of non-selected reserve officers, non-selected reserve enlistees, and non-selected reserve officers plus enlistees, respectively, by age and years of service as of the end of FY 2011. Note that the total non-selected reserve strength in table C11 ties to the FY 2011 DoD non-selected reserve strength shown in Table C1.

DoD and All Uniformed Retirees and Surviving Spouses

Tables C2 and C12–C15 include summary data of military retirees and surviving spouses. Table C2 also includes a summary of dependent data (spouses, children, and other).

Tables C2, C12, C13 and C14

Tables C12, C13 and C14 include a summary of the number of DoD and All Uniformed retired officers, retired enlistees, and retired officers plus enlistees, respectively, by age and by disability vs. reserve status as of the end of FY 2011. Note that the total number of All Uniformed retirees in table C14 ties to the total number of (All Uniformed) retired sponsors shown in Table C2.

Table C15

Table C15 includes a summary of DoD and All Uniformed surviving spouses by age and by component (active duty, reserve) and paygrade (officer, enlistee) of the deceased military spouse. Note that the total number of All Uniformed surviving spouses in table C15 ties to the total number of FY 2011 (All Uniformed) spouse survivors shown in Table C2.

TABLE C1

ACTIVE DUTY AND RESERVE AS OF 9/30/2010 AND 9/30/2011

ALL UNIFORMED

	FYE 2010	FYE 2011	'10 to '11 Increase
DoD			
Active Duty	1,493,233	1,486,853	-0.4%
Selected Reserve	773,286	771,080	-0.3%
Non-selected Reserve	220,120	218,234	-0.9%
Coast Guard			
Active Duty	41,818	42,008	0.5%
Selected Reserve	7,601	7,957	4.7%
Non-selected Reserve	5,395	4,996	-7.4%
PHS Active Duty	6,584	6,527	-0.9%
NOAA Active Duty	324	318	-1.9%
TOTAL			
Active Duty	1,541,959	1,535,706	-0.4%
Selected Reserve	780,887	779,037	-0.2%
Non-selected Reserve	225,515	223,230	-1.0%

TABLE C2

ELIGIBLE RETIRED BENEFICIARIES AS OF 9/30/2010 AND 9/30/2011

ALL UNIFORMED

	FYE 2010	FYE 2011	'10 to '11 Increase
Retired Sponsors			
Non-Medicare-eligible	1,090,598	1,084,053	-0.6%
Medicare-eligible	990,189	1,013,813	2.4%
Total	2,080,787 [1]	2,097,866 [2]	0.8%
Spouses of Retirees			
Non-Medicare-eligible	1,008,582	1,005,184	-0.3%
Medicare-eligible	619,313	632,653	2.2%
Total	1,627,895	1,637,837	0.6%
Children of Retirees			
Non-Medicare-eligible	766,118	766,306	0.0%
Medicare-eligible	7,545	7,980	5.8%
Total	773,663	774,286	0.1%
Other Dependents of Retirees			
Non-Medicare-eligible	938	1,151	22.7%
Medicare-eligible	4,478	4,489	0.2%
Total	5,416	5,640	4.1%
Survivors			
Non-Medicare-eligible Spouse	94,735	93,794	-1.0%
Non-Medicare-eligible Children	34,965	34,571	-1.1%
Non-Medicare-eligible Other	55	65	18.2%
Medicare-eligible Spouses	457,222	467,280	2.2%
Medicare-eligible Children	5,874	6,254	6.5%
Medicare-eligible Other	293	288	-1.7%
Total Spouses	551,957	561,074	1.7%
Total Children	40,839	40,825	0.0%
Total Other	348	353	1.4%
Retirees, Dependents, Survivors			
Non-Medicare-eligible	2,995,991	2,985,124	-0.4%
Medicare-eligible	2,084,914	2,132,757	2.3%
Total	5,080,905	5,117,881	0.7%

[1] Corrected after 2011 Board Meeting to remove 63 Reserve retirees under age 60.
[2] Corrected after 2012 Board Meeting to remove 166 Reserve retirees under age 60.

TABLE C3

DOD ACTIVE DUTY OFFICERS BY AGE AND YEARS OF SERVICE FOR THE FY 2011 VALUATION

YEARS OF ACTIVE SERVICE

Age	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30+	Total
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
21	27	6	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
22	1,892	43	16	6	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,966
23	3,988	1,944	79	23	10	19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,064
24	2,275	3,847	2,171	119	25	33	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,489
25	994	2,184	4,199	2,266	108	52	38	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,878
26	728	1,075	2,112	4,250	2,219	119	64	95	56	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,723
27	756	863	1,063	1,961	4,053	2,026	135	135	143	107	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,244
28	498	788	776	916	1,811	3,605	1,771	173	194	222	139	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,894
29	375	581	802	758	798	1,640	3,327	1,613	278	243	348	232	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,999
30	270	400	516	732	664	750	1,570	2,754	1,475	257	277	444	282	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,394
31	197	306	412	475	687	679	760	1,464	2,496	1,454	304	362	498	352	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,452
32	184	253	320	358	450	642	753	868	1,486	2,205	1,298	393	449	675	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,694
33	125	191	208	288	330	426	566	665	789	1,282	2,025	1,264	324	468	660	317	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,929
34	94	154	164	191	235	319	426	589	661	767	1,222	1,946	1,203	355	522	632	290	3	0	0	0	0	0	0	0	0	0	0	0	0	0	9,773
35	72	116	133	170	190	267	326	395	572	597	680	1,180	1,730	1,214	444	569	562	251	0	0	0	0	0	0	0	0	0	0	0	0	0	9,468
36	65	88	114	141	142	165	270	305	445	535	547	655	1,167	1,727	1,281	458	516	619	289	2	0	0	0	0	0	0	0	0	0	0	0	9,531
37	68	86	105	105	125	145	192	249	339	395	540	569	629	1,158	1,734	1,214	444	542	624	297	0	0	0	0	0	0	0	0	0	0	0	9,560
38	48	55	70	81	104	128	139	208	238	365	361	472	555	691	1,112	1,721	1,270	458	617	692	258	2	1	0	0	0	0	0	0	0	0	9,646
39	40	37	70	69	84	97	136	177	182	259	280	343	461	553	730	1,096	1,721	1,305	502	608	573	312	2	1	0	0	0	0	0	0	0	9,638
40	28	63	78	62	82	89	133	135	177	249	216	276	310	466	614	787	1,156	1,844	1,323	535	508	601	332	1	0	0	0	0	0	0	0	10,065
41	38	42	55	77	82	70	110	151	173	198	190	245	298	330	485	616	757	1,283	1,955	1,440	489	467	630	303	2	0	0	0	0	0	0	10,486
42	26	34	54	61	59	84	72	125	138	174	163	203	205	272	308	479	552	779	1,313	1,881	1,070	362	425	508	253	2	0	0	0	0	0	9,602
43	19	30	31	43	43	65	78	83	140	151	173	159	170	224	249	312	416	510	743	1,253	1,372	904	305	379	415	192	4	0	0	0	0	8,463
44	15	21	44	44	47	54	45	76	92	118	117	134	134	171	218	236	280	370	544	674	987	1,136	820	264	289	319	161	1	0	0	0	7,411
45	10	14	28	32	35	44	43	53	88	119	99	97	97	126	131	187	221	272	370	533	552	732	1,116	694	205	230	266	100	1	0	0	6,495
46	13	14	31	23	26	33	48	58	68	57	73	102	103	109	152	143	173	214	274	419	388	434	784	863	566	161	207	229	80	1	1	5,847
47	14	13	23	20	20	36	35	46	82	59	81	77	86	102	114	131	164	181	200	285	297	331	387	630	747	539	129	177	179	69	5	5,259
48	9	9	16	17	24	26	33	38	51	52	58	52	74	90	92	94	131	136	167	212	243	264	330	355	429	612	425	117	133	124	67	4,480
49	10	10	19	24	14	17	32	32	38	51	46	54	68	76	71	101	81	121	141	160	171	172	206	234	247	345	520	332	92	93	89	3,667
50	6	11	13	11	14	21	12	24	30	34	44	44	50	54	51	68	94	86	89	130	143	101	122	164	179	215	273	357	273	76	110	2,899
51	6	3	5	20	10	14	16	17	18	23	24	39	39	36	46	51	64	67	104	99	92	78	103	99	135	154	162	191	271	229	132	2,347
52	6	7	4	3	10	17	7	15	17	16	21	33	26	22	30	44	57	56	57	81	54	66	75	73	85	108	133	115	152	203	202	1,795
53	5	5	9	3	14	8	16	11	10	19	11	19	33	26	25	38	40	41	51	66	48	42	59	50	66	77	97	97	72	93	262	1,413
54	7	3	4	5	8	9	5	9	13	8	11	20	17	14	22	21	31	35	40	45	35	46	30	32	51	56	65	60	58	76	237	1,073
55	4	8	8	10	4	2	5	8	10	8	10	14	12	14	15	22	31	28	37	55	48	39	46	49	27	47	41	53	61	44	181	941
56	1	10	6	8	2	4	6	4	6	8	9	8	13	14	12	12	18	16	22	39	27	32	46	23	30	32	32	39	44	49	134	706
57	5	3	6	2	1	1	5	5	5	6	10	10	4	8	5	8	16	16	21	26	25	22	23	20	22	31	28	27	29	33	111	534
58	3	2	4	4	6	0	1	6	7	7	4	5	8	3	11	9	12	10	15	39	19	15	22	15	13	22	21	20	22	23	110	458
59	1	0	3	2	5	3	3	2	4	5	4	6	6	4	3	7	10	5	17	24	19	21	11	16	9	24	17	19	17	18	79	364
60+	4	11	16	12	6	8	11	10	10	12	13	5	9	12	10	15	9	25	25	30	29	34	32	26	24	24	35	32	35	25	157	706
Total	12,928	13,331	13,789	13,397	12,551	11,721	11,209	10,636	10,531	10,067	9,400	9,463	9,064	9,369	9,513	9,388	9,117	9,273	9,540	9,625	7,447	6,213	5,907	4,799	3,794	3,190	2,616	1,966	1,519	1,156	1,877	254,396

Notes: Extracted from files maintained by the Defense Manpower Data Center (DMDC).
Age is age nearest birthday as of the end of the fiscal year.

Average Age 35.7

Average Years of Active Service 11.1

Department of Defense - Office of the Actuary

TABLE C4

DOD ACTIVE DUTY ENLISTEES BY AGE AND YEARS OF SERVICE FOR THE FY 2011 VALUATION

YEARS OF ACTIVE SERVICE

Age	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30+	Total
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
18	9,785	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,797
19	31,114	8,627	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,763
20	30,357	26,847	9,778	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67,107
21	19,594	28,337	27,494	11,768	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87,303
22	13,355	19,920	25,215	28,447	7,810	80	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94,828
23	9,842	13,851	17,419	22,532	18,973	6,345	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89,029
24	7,737	10,528	12,672	15,183	15,299	15,717	4,903	33	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82,073
25	5,804	8,103	9,516	11,174	10,920	13,762	12,560	5,221	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77,085
26	4,223	6,282	7,265	8,243	7,939	9,851	10,908	13,092	4,473	19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72,296
27	2,928	4,326	5,435	5,991	6,022	6,914	6,891	11,189	10,674	4,207	34	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64,612
28	2,234	3,137	3,676	4,243	4,497	5,167	5,065	7,372	8,445	9,457	4,242	37	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57,573
29	1,659	2,386	2,780	3,121	3,324	3,897	3,866	5,308	6,009	7,039	8,797	4,044	31	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52,262
30	1,155	1,727	2,085	2,307	2,433	2,807	2,944	3,942	4,217	4,849	6,396	8,138	3,396	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46,415
31	847	1,289	1,489	1,700	1,775	2,056	2,154	3,053	3,166	3,450	4,220	5,923	7,460	3,069	23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41,675
32	597	959	1,057	1,294	1,402	1,540	1,597	2,233	2,438	2,686	3,065	3,957	5,607	6,879	2,557	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37,879
33	505	789	843	926	995	1,170	1,237	1,705	1,840	2,092	2,206	2,722	3,575	5,346	5,826	2,144	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33,923
34	429	661	613	743	775	898	925	1,274	1,453	1,552	1,618	1,930	2,483	3,564	4,970	5,104	1,836	5	0	0	0	0	0	0	0	0	0	0	0	0	0	30,833
35	428	468	522	570	618	716	719	999	1,038	1,151	1,299	1,480	1,869	2,438	3,362	4,595	4,440	1,765	3	1	0	0	0	0	0	0	0	0	0	0	0	28,481
36	286	466	418	480	481	513	603	751	828	962	994	1,099	1,381	1,762	2,258	3,050	4,031	4,551	1,819	5	0	0	0	0	0	0	0	0	0	0	0	26,738
37	212	345	396	414	456	451	477	591	641	733	826	859	1,127	1,338	1,740	2,197	2,859	4,101	4,608	1,923	2	0	0	0	0	0	0	0	0	0	0	26,296
38	181	278	328	344	367	356	396	477	517	604	605	661	795	1,064	1,316	1,592	1,924	2,695	4,564	4,740	1,241	8	0	0	0	0	0	0	0	0	0	25,053
39	172	258	264	252	381	350	366	413	421	490	532	571	673	808	1,047	1,249	1,522	1,939	3,019	4,480	2,838	1,194	5	0	0	0	0	0	0	0	0	23,244
40	153	203	248	226	259	335	321	406	377	423	421	535	598	668	791	1,009	1,191	1,426	2,137	3,163	2,509	2,774	1,105	1	0	0	0	0	0	0	0	21,279
41	129	190	215	197	257	230	326	381	411	393	364	411	491	621	712	863	935	1,192	1,571	2,308	1,768	2,311	2,347	796	2	0	0	0	0	0	0	19,421
42	106	150	178	186	185	189	190	340	331	358	338	358	389	454	556	607	671	861	1,110	1,574	1,196	1,323	1,854	1,636	569	2	0	0	0	0	0	15,711
43	50	141	145	157	168	169	127	202	291	314	269	280	333	360	386	504	492	613	838	1,235	795	859	1,100	1,301	1,030	447	3	0	0	0	0	12,609
44	22	59	130	121	161	113	104	132	187	227	239	288	274	309	326	396	391	452	601	872	618	670	721	722	792	807	283	1	0	0	0	10,018
45	18	18	49	135	126	126	92	126	135	164	205	214	242	263	292	318	336	386	482	631	499	497	537	521	560	646	545	193	0	0	0	8,356
46	18	4	16	51	124	85	85	102	95	136	166	205	202	250	223	276	291	308	422	460	385	362	462	382	404	452	436	462	152	0	0	7,016
47	20	12	15	22	51	75	73	84	102	103	119	121	174	186	209	233	257	281	357	405	286	307	344	302	246	343	264	387	348	150	1	5,877
48	11	7	12	24	15	33	58	73	81	79	80	89	116	188	178	201	201	233	274	383	237	214	266	289	210	245	190	237	242	244	74	4,784
49	12	14	5	9	23	24	32	49	72	59	63	68	93	105	170	155	156	188	195	264	176	174	187	196	144	166	163	179	174	193	81	3,589
50	9	4	3	5	6	17	19	33	45	53	51	78	57	88	88	150	126	168	179	193	145	121	127	129	130	116	103	112	122	98	76	2,651
51	3	10	9	9	13	15	13	19	29	45	47	52	58	56	69	62	118	121	154	164	102	93	89	95	83	100	82	86	84	63	62	2,005
52	5	3	6	3	8	12	16	20	15	31	26	33	58	43	52	47	76	115	113	112	107	78	70	57	54	65	52	60	55	39	50	1,481
53	6	2	1	5	4	7	11	12	15	24	18	32	23	37	41	40	26	33	79	97	51	45	45	44	39	43	37	42	41	31	40	971
54	3	4	4	8	4	5	9	14	13	14	17	12	21	17	25	28	32	22	43	84	51	39	40	41	34	18	19	33	41	18	33	746
55	2	3	0	2	5	3	7	9	8	14	12	16	16	17	15	17	15	25	38	48	45	26	28	21	25	17	15	25	16	16	23	529
56	1	3	4	2	8	1	3	10	3	12	16	8	1	10	15	18	13	24	28	28	23	24	24	27	27	20	10	21	14	11	16	425
57	1	1	0	1	2	1	2	6	5	7	5	4	10	6	6	11	15	18	28	12	9	15	12	6	24	12	7	8	5	4	6	249
58	3	0	4	0	1	2	2	3	3	3	4	6	8	8	7	6	7	9	11	12	3	5	10	18	11	9	5	7	3	4	12	186
59	2	1	0	0	1	3	1	3	2	5	9	3	4	10	3	5	3	8	6	13	4	12	1	13	12	7	8	9	6	0	6	160
60+	1	2	1	1	1	0	1	0	3	1	3	4	1	5	1	0	5	5	7	10	13	8	5	8	9	6	3	5	2	3	9	123
Total	144,025	140,427	130,332	121,021	85,999	74,035	57,171	59,677	48,409	41,756	37,307	34,239	31,567	29,989	27,264	24,889	21,971	21,544	22,686	23,217	13,103	11,159	9,379	6,605	4,405	3,521	2,225	1,867	1,305	874	489	1,232,457

Notes Extracted from files maintained by the Defense Manpower Data Center (DMDC).
Age is age nearest birthday as of the end of the fiscal year.

Average Age 28.3

Average Years of Active Service 6.6
Department of Defense - Office of the Actuary

TABLE C5

DOD ACTIVE DUTY OFFICERS AND ENLISTEES BY AGE AND YEARS OF SERVICE FOR THE FY 2011 VALUATION

YEARS OF ACTIVE SERVICE

Age	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30+	Total
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
18	9,785	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,797
19	31,114	8,627	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,763
20	30,359	26,848	9,778	126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67,111
21	19,621	28,343	27,496	11,772	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87,342
22	15,247	19,963	25,231	28,453	7,814	84	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96,794
23	13,830	15,795	17,498	22,555	18,983	6,364	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95,093
24	10,012	14,375	14,843	15,302	15,324	15,750	4,921	34	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90,562
25	6,798	10,287	13,715	13,440	11,028	13,814	12,598	5,258	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86,963
26	4,951	7,357	9,377	12,493	10,158	9,970	10,972	13,187	4,529	24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83,019
27	3,684	5,189	6,498	7,952	10,075	8,940	7,026	11,324	10,817	4,314	36	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75,856
28	2,732	3,925	4,452	5,159	6,308	8,772	6,836	7,545	8,639	9,679	4,381	38	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68,467
29	2,034	2,967	3,582	3,879	4,122	5,537	7,193	6,921	6,287	7,282	9,145	4,276	35	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63,261
30	1,425	2,127	2,601	3,039	3,097	3,557	4,514	6,696	5,692	5,106	6,673	8,582	3,678	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56,809
31	1,044	1,595	1,901	2,175	2,462	2,735	2,914	4,517	5,662	4,904	4,524	6,285	7,958	3,421	29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52,127
32	781	1,212	1,377	1,652	1,852	2,182	2,350	3,101	3,924	4,891	4,363	4,350	6,056	7,554	2,917	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48,573
33	630	980	1,051	1,214	1,325	1,596	1,803	2,370	2,629	3,374	4,231	3,986	3,899	5,814	6,486	2,461	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,852
34	523	815	777	934	1,010	1,217	1,351	1,863	2,114	2,319	2,840	3,876	3,686	3,919	5,492	5,736	2,126	8	0	0	0	0	0	0	0	0	0	0	0	0	0	40,606
35	500	584	655	740	808	983	1,045	1,394	1,610	1,748	1,979	2,660	3,599	3,652	3,806	5,164	5,002	2,016	3	1	0	0	0	0	0	0	0	0	0	0	0	37,949
36	351	554	532	621	623	678	873	1,056	1,273	1,497	1,541	1,754	2,548	3,489	3,539	3,508	4,547	5,170	2,108	7	0	0	0	0	0	0	0	0	0	0	0	36,269
37	280	431	501	519	581	596	669	840	980	1,128	1,366	1,428	1,756	2,496	3,474	3,411	3,303	4,643	5,232	2,220	2	0	0	0	0	0	0	0	0	0	0	35,856
38	229	333	398	425	471	484	535	685	755	969	966	1,133	1,350	1,755	2,428	3,313	3,194	3,153	5,181	5,432	1,499	10	1	0	0	0	0	0	0	0	0	34,699
39	212	295	334	321	465	447	502	590	603	749	812	914	1,134	1,361	1,777	2,345	3,243	3,244	3,521	5,088	3,411	1,506	7	1	0	0	0	0	0	0	0	32,882
40	181	266	326	288	341	424	454	541	554	672	637	811	908	1,134	1,405	1,796	2,347	3,270	3,460	3,698	3,017	3,375	1,437	2	0	0	0	0	0	0	0	31,344
41	167	232	270	274	339	300	436	532	584	591	554	656	789	951	1,197	1,479	1,692	2,475	3,526	3,748	2,257	2,778	2,977	1,099	4	0	0	0	0	0	0	29,907
42	132	184	232	247	244	273	262	465	469	532	501	561	594	726	864	1,086	1,223	1,640	2,423	3,455	2,266	1,685	2,279	2,144	822	4	0	0	0	0	0	25,313
43	69	171	176	200	211	234	205	285	431	465	442	439	503	584	635	816	908	1,123	1,581	2,488	2,167	1,763	1,405	1,680	1,445	639	7	0	0	0	0	21,072
44	37	80	174	165	208	167	149	208	279	345	356	422	408	480	544	632	671	822	1,145	1,546	1,605	1,806	1,541	986	1,081	1,126	444	2	0	0	0	17,429
45	28	32	77	167	161	170	135	179	223	283	304	311	339	389	423	505	557	658	852	1,164	1,051	1,229	1,653	1,215	765	876	811	293	1	0	0	14,851
46	31	18	47	74	150	118	133	160	163	193	239	307	305	359	375	419	464	522	696	879	773	796	1,246	1,245	970	613	643	691	232	1	1	12,863
47	34	25	38	42	71	111	108	130	184	162	200	198	260	288	323	364	421	462	557	690	583	638	731	932	993	882	393	564	527	219	6	11,136
48	20	16	28	41	39	59	91	111	132	131	138	141	190	278	270	295	332	369	441	595	480	478	596	644	639	857	615	354	375	368	141	9,264
49	22	24	24	33	37	41	64	81	110	110	109	122	161	181	241	256	237	309	336	424	347	346	393	430	391	511	683	511	266	286	170	7,256
50	15	15	16	16	20	38	31	57	75	87	95	122	107	142	139	218	220	254	268	323	288	222	249	293	309	331	376	469	395	174	186	5,550
51	9	13	14	29	23	29	29	36	47	68	71	91	97	92	115	113	182	188	258	263	194	171	192	194	218	254	244	277	355	292	194	4,352
52	11	10	10	6	18	29	23	35	32	47	47	66	84	65	82	91	133	171	170	193	161	144	145	130	139	173	185	175	207	242	252	3,276
53	11	7	10	8	18	15	27	23	25	43	29	51	56	63	66	78	66	74	130	163	99	87	104	94	105	120	134	139	113	124	302	2,384
54	10	7	8	13	12	14	14	23	26	22	28	32	38	31	47	49	63	57	83	129	86	85	70	73	85	74	84	93	99	94	270	1,819
55	6	11	8	12	9	5	12	17	18	22	22	30	28	31	30	39	46	53	75	103	93	65	74	70	52	64	56	78	77	60	204	1,470
56	2	13	10	10	10	5	9	14	9	20	25	16	14	24	27	30	31	40	50	67	50	56	70	50	57	52	42	60	58	60	150	1,131
57	6	4	6	3	3	2	7	11	10	13	15	14	14	14	11	19	31	34	49	38	34	37	35	26	46	43	35	35	34	37	117	783
58	6	2	8	4	7	2	3	9	10	10	8	11	16	11	18	15	19	19	26	51	22	20	32	33	24	31	26	27	25	27	122	644
59	3	1	3	2	6	6	4	5	6	10	13	9	10	14	6	12	13	13	23	37	23	33	12	29	21	31	25	28	23	18	85	524
60+	5	13	17	13	7	8	12	10	13	13	16	9	10	17	11	15	14	30	32	40	42	42	37	34	33	30	38	37	37	28	166	829
Total	156,953	153,758	144,121	134,418	98,550	85,756	68,380	70,313	58,940	51,823	46,707	43,702	40,631	39,358	36,777	34,277	31,088	30,817	32,226	32,842	20,550	17,372	15,286	11,404	8,199	6,711	4,841	3,833	2,824	2,030	2,366	1,486,853

Notes Extracted from files maintained by the Defense Manpower Data Center (DMDC).
Age is age nearest birthday as of the end of the fiscal year.

Average Age 29.6

Average Years of Active Service 7.3

Department of Defense - Office of the Actuary

TABLE C6

DOD SELECTED RESERVE OFFICERS BY AGE AND YEARS OF SERVICE FOR THE FY 2011 VALUATION

COMPLETED YEARS OF ACTIVE DUTY SERVICE

Age	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+	Total
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	20	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
21	97	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102
22	427	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	443
23	963	47	6	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,019
24	1,307	145	47	16	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,517
25	1,359	325	83	27	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,803
26	1,262	433	189	105	36	18	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2,054
27	1,161	482	269	209	204	51	14	8	4	0	0	0	0	0	0	0	0	0	0	0	0	2,402
28	1,108	586	410	285	373	156	41	8	13	1	0	0	0	0	0	0	0	0	0	0	0	2,981
29	1,015	573	498	340	452	287	113	45	25	5	4	1	0	0	0	0	0	0	0	0	0	3,358
30	997	512	446	395	466	291	225	138	31	21	11	3	0	0	0	0	0	0	0	0	0	3,536
31	842	467	400	390	504	330	302	196	114	31	26	6	0	0	0	0	0	0	0	0	0	3,608
32	738	371	366	337	453	327	306	207	185	78	31	24	4	0	2	0	0	0	0	0	0	3,429
33	657	284	347	310	398	322	302	255	193	148	88	28	14	5	1	1	0	0	0	0	0	3,353
34	590	276	272	306	417	319	352	258	221	197	140	88	15	8	2	2	1	0	0	0	0	3,464
35	553	273	262	292	380	267	279	263	225	225	201	156	52	26	5	4	2	0	0	0	0	3,465
36	563	311	241	284	339	291	284	218	195	232	206	177	97	40	12	4	5	1	0	0	0	3,500
37	569	327	280	266	334	292	288	239	197	216	212	206	146	68	28	5	5	1	0	0	0	3,679
38	537	269	279	274	312	274	279	249	204	220	218	204	150	88	51	17	5	3	0	0	0	3,633
39	533	364	297	314	329	273	282	265	199	216	213	180	149	91	71	33	13	10	2	0	1	3,835
40	623	361	327	346	329	304	272	292	226	253	198	221	155	129	92	49	26	10	1	2	1	4,217
41	663	440	400	393	379	389	326	301	256	257	208	201	182	128	99	54	30	18	6	4	1	4,735
42	638	408	368	409	420	329	340	252	264	271	183	240	177	144	102	78	35	26	11	7	2	4,704
43	541	410	421	370	403	299	287	243	222	195	204	198	195	165	85	66	49	33	16	7	7	4,416
44	500	377	337	356	388	342	267	248	213	203	228	197	188	162	104	82	41	34	21	9	16	4,313
45	453	319	360	338	347	344	314	244	240	200	219	201	207	192	120	83	61	46	23	21	16	4,348
46	421	330	302	312	346	331	310	231	231	196	183	176	196	149	109	76	57	42	29	26	24	4,077
47	378	299	305	330	275	297	313	247	230	181	183	183	171	128	105	104	70	35	20	14	23	3,891
48	346	328	266	271	282	286	249	240	252	187	182	155	156	156	107	103	70	47	37	23	40	3,783
49	293	239	200	257	228	229	231	209	197	177	178	153	140	122	99	75	63	37	19	11	34	3,191
50	270	256	181	207	219	189	181	179	156	163	177	136	133	135	86	92	56	44	18	11	26	2,915
51	205	197	160	167	173	127	169	163	145	118	131	117	85	92	78	51	41	37	19	16	21	2,312
52	165	160	123	147	149	133	137	142	113	123	89	107	81	71	58	55	35	34	14	7	30	1,973
53	177	142	109	99	147	118	106	99	88	84	63	81	68	74	54	45	27	22	10	2	24	1,639
54	141	140	124	105	120	126	97	90	82	58	65	57	57	49	41	34	31	23	7	6	12	1,465
55	117	125	114	94	111	101	105	81	68	58	50	48	33	45	42	15	21	17	4	3	20	1,272
56	103	130	107	81	68	86	78	80	65	54	45	37	28	36	22	26	16	23	15	7	10	1,117
57	81	116	83	75	80	79	69	42	48	34	32	30	31	22	14	20	16	10	8	7	6	903
58	84	117	97	77	63	59	49	51	45	30	31	26	26	28	13	13	9	6	5	4	7	840
59	67	87	75	56	64	54	46	48	41	35	22	22	15	18	13	3	18	2	5	1	5	697
60	44	63	56	47	46	35	37	23	17	20	10	7	9	4	5	5	3	2	1	2	0	436
61	25	25	26	25	19	15	10	16	19	8	5	6	5	2	1	1	4	0	0	0	0	212
62	17	17	16	22	9	6	7	6	3	6	2	2	1	4	1	2	0	0	1	0	1	123
63+	23	41	29	21	15	14	13	10	4	4	4	3	5	3	1	0	0	2	0	0	0	192
Total	21,673	11,198	9,283	8,755	9,691	7,790	7,090	5,887	5,031	4,505	4,042	3,677	2,971	2,384	1,623	1,198	810	565	292	190	327	108,982

Note: Extracted from files maintained by the Defense Manpower Data Center (DMDC).
Age is age nearest birthday as of the end of the fiscal year.

Average Age 39.9

Average Years of Active Service 4.8

Department of Defense - Office of the Actuary

TABLE C7

DOD SELECTED RESERVE ENLISTEES BY AGE AND YEARS OF SERVICE FOR THE FY 2011 VALUATION

COMPLETED YEARS OF ACTIVE DUTY SERVICE

Age	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+	Total
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	908
18	9,827	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,830
19	20,319	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,450
20	30,231	1,028	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31,272
21	35,489	3,320	177	72	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,061
22	34,250	5,819	714	393	177	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41,356
23	30,719	7,400	1,348	1,063	932	127	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41,592
24	25,091	7,613	2,007	1,594	2,029	532	72	4	0	0	0	0	0	0	0	0	0	0	0	0	0	38,942
25	19,604	6,750	2,327	1,981	2,843	1,010	349	52	4	0	0	0	0	0	0	0	0	0	0	0	0	34,920
26	15,836	5,923	2,699	2,377	3,248	1,397	762	193	55	2	0	0	0	0	0	0	0	0	0	0	0	32,492
27	12,872	5,213	2,735	2,556	3,387	1,611	1,212	489	243	22	1	0	0	0	0	0	0	0	0	0	0	30,341
28	10,623	4,569	2,744	2,615	3,322	1,669	1,317	665	440	131	21	1	0	0	0	0	0	0	0	0	0	28,117
29	9,117	4,055	2,719	2,599	3,265	1,710	1,441	775	609	257	93	12	0	0	0	0	0	0	0	0	0	26,652
30	7,211	3,238	2,366	2,368	2,918	1,644	1,352	759	672	345	235	85	4	2	0	0	0	0	0	0	0	23,199
31	6,037	2,807	1,956	2,011	2,530	1,414	1,305	829	728	438	279	156	45	7	4	0	0	0	0	0	0	20,546
32	5,137	2,241	1,793	1,706	2,148	1,244	1,081	728	627	443	342	199	111	43	14	0	0	0	0	0	0	17,857
33	4,269	1,930	1,549	1,464	1,873	1,109	963	665	580	491	356	216	112	87	52	3	1	0	0	0	0	15,720
34	3,731	1,718	1,309	1,363	1,715	1,127	898	591	544	436	332	207	145	94	135	11	3	2	0	0	0	14,361
35	3,366	1,521	1,179	1,221	1,555	1,018	847	596	456	391	342	221	131	91	112	23	14	0	0	0	0	13,084
36	3,004	1,425	1,205	1,126	1,461	951	789	554	470	393	271	218	147	119	117	45	19	13	1	0	0	12,328
37	2,862	1,380	1,206	1,073	1,312	902	734	579	454	415	307	213	176	119	111	58	32	8	5	0	0	11,946
38	2,584	1,353	1,171	1,097	1,247	872	689	559	481	374	319	227	183	133	107	48	25	10	6	0	2	11,487
39	2,619	1,349	1,250	1,121	1,256	840	722	582	489	403	341	249	177	121	110	57	28	22	6	6	6	11,754
40	2,551	1,363	1,222	1,184	1,382	941	794	633	501	463	371	313	220	146	111	57	40	30	9	6	7	12,344
41	2,476	1,374	1,279	1,279	1,418	1,032	837	685	546	476	409	356	233	131	109	59	44	38	19	8	5	12,813
42	2,178	1,280	1,159	1,139	1,351	970	807	598	532	411	396	290	207	162	102	81	42	31	11	9	8	11,764
43	1,848	1,148	1,035	1,061	1,155	876	814	641	517	413	373	261	205	149	110	94	52	27	25	9	14	10,827
44	1,573	970	950	961	1,038	866	718	574	486	376	357	287	215	138	104	73	50	34	15	13	13	9,811
45	1,363	962	911	870	945	845	701	566	478	375	300	282	216	140	99	80	51	24	30	8	11	9,257
46	1,187	837	861	828	859	764	695	547	460	366	341	255	195	153	110	88	64	33	37	6	22	8,708
47	1,060	745	789	820	808	738	651	547	447	344	339	281	238	174	131	92	70	43	29	11	22	8,379
48	914	660	726	755	761	715	597	509	416	380	332	294	216	198	126	119	61	43	19	21	22	7,884
49	794	622	682	723	697	646	533	512	409	330	348	252	218	173	118	91	61	54	29	14	21	7,327
50	727	529	600	615	629	549	475	412	313	283	273	251	151	168	155	97	61	48	21	6	31	6,394
51	566	437	488	573	538	482	433	406	280	241	238	195	180	163	141	119	49	39	20	10	20	5,618
52	422	338	413	435	375	438	372	321	246	231	177	169	135	118	94	69	54	41	16	8	16	4,488
53	356	307	362	413	373	361	339	278	207	187	151	126	87	100	78	70	50	34	16	6	14	3,915
54	321	254	328	370	350	318	313	253	184	128	133	114	103	73	53	59	31	29	16	8	8	3,446
55	259	208	260	330	306	269	247	218	152	129	107	95	76	50	58	47	24	20	5	6	13	2,879
56	183	182	233	277	253	260	212	157	115	117	90	71	66	39	41	31	27	18	14	7	4	2,397
57	149	123	189	225	186	183	171	137	102	90	90	55	51	42	28	23	16	15	9	6	8	1,898
58	124	113	169	204	175	160	136	118	84	79	69	45	33	31	16	23	7	11	3	6	4	1,610
59	139	113	168	169	144	126	116	75	68	64	34	32	28	22	13	10	9	9	3	3	5	1,350
60	58	51	94	93	75	60	59	35	34	31	28	23	5	7	10	6	2	3	2	2	1	679
61	13	8	12	7	7	8	0	3	5	1	4	0	0	2	0	1	0	0	0	0	0	71
62	5	3	3	4	3	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	23
63+	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	314,972	83,413	45,400	43,136	51,049	30,788	24,558	16,845	13,436	10,056	8,199	6,051	4,309	3,195	2,569	1,634	987	679	366	179	277	662,098

Note: Extracted from files maintained by the Defense Manpower Data Center (DMDC).
Age is age nearest birthday as of the end of the fiscal year.

Average Age 30.6

Average Years of Active Service 2.2

Department of Defense - Office of the Actuary

TABLE C8

DOD SELECTED RESERVE OFFICERS AND ENLISTEES BY AGE AND YEARS OF SERVICE FOR THE FY 2011 VALUATION

COMPLETED YEARS OF ACTIVE DUTY SERVICE

Age	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+	Total
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	908
18	9,827	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,830
19	20,319	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,450
20	30,251	1,038	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31,302
21	35,586	3,320	182	72	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,163
22	34,677	5,835	714	393	177	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41,799
23	31,682	7,447	1,354	1,063	935	127	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42,611
24	26,398	7,758	2,054	1,610	2,031	532	72	4	0	0	0	0	0	0	0	0	0	0	0	0	0	40,459
25	20,963	7,075	2,410	2,008	2,852	1,010	349	52	4	0	0	0	0	0	0	0	0	0	0	0	0	36,723
26	17,098	6,356	2,888	2,482	3,284	1,415	772	194	55	2	0	0	0	0	0	0	0	0	0	0	0	34,546
27	14,033	5,695	3,004	2,765	3,591	1,662	1,226	497	247	22	1	0	0	0	0	0	0	0	0	0	0	32,743
28	11,731	5,155	3,154	2,900	3,695	1,825	1,358	673	453	132	21	1	0	0	0	0	0	0	0	0	0	31,098
29	10,132	4,628	3,217	2,939	3,717	1,997	1,554	820	634	262	97	13	0	0	0	0	0	0	0	0	0	30,010
30	8,208	3,750	2,812	2,763	3,384	1,935	1,577	897	703	366	246	88	4	2	0	0	0	0	0	0	0	26,735
31	6,879	3,274	2,356	2,401	3,034	1,744	1,607	1,025	842	469	305	162	45	7	4	0	0	0	0	0	0	24,154
32	5,875	2,612	2,159	2,043	2,601	1,571	1,387	935	812	521	373	223	115	43	16	0	0	0	0	0	0	21,286
33	4,926	2,214	1,896	1,774	2,271	1,431	1,265	920	773	639	444	244	126	92	53	4	1	0	0	0	0	19,073
34	4,321	1,994	1,581	1,669	2,132	1,446	1,250	849	765	633	472	295	160	102	137	13	4	2	0	0	0	17,825
35	3,919	1,794	1,441	1,513	1,935	1,285	1,126	859	681	616	543	377	183	117	117	27	16	0	0	0	0	16,549
36	3,567	1,736	1,446	1,410	1,800	1,242	1,073	772	665	625	477	395	244	159	129	49	24	14	1	0	0	15,828
37	3,431	1,707	1,486	1,339	1,646	1,194	1,022	818	651	631	519	419	322	187	139	63	37	9	5	0	0	15,625
38	3,121	1,622	1,450	1,371	1,559	1,146	968	808	685	594	537	431	333	221	158	65	30	13	6	0	2	15,120
39	3,152	1,713	1,547	1,435	1,585	1,113	1,004	847	688	619	554	429	326	212	181	90	41	32	8	6	7	15,589
40	3,174	1,724	1,549	1,530	1,711	1,245	1,066	925	727	716	569	534	375	275	203	106	66	40	10	8	8	16,561
41	3,139	1,814	1,679	1,672	1,797	1,421	1,163	986	802	733	617	557	415	259	208	113	74	56	25	12	6	17,548
42	2,816	1,688	1,527	1,548	1,771	1,299	1,147	850	796	682	579	530	384	306	204	159	77	57	22	16	10	16,468
43	2,389	1,558	1,456	1,431	1,558	1,175	1,101	884	739	608	577	459	400	314	195	160	101	60	41	16	21	15,243
44	2,073	1,347	1,287	1,317	1,426	1,208	985	822	699	579	585	484	403	300	208	155	91	68	36	22	29	14,124
45	1,816	1,281	1,271	1,208	1,292	1,189	1,015	810	718	575	519	483	423	332	219	163	112	70	53	29	27	13,605
46	1,608	1,167	1,163	1,140	1,205	1,095	1,005	778	691	562	524	431	391	302	219	164	121	75	66	32	46	12,785
47	1,438	1,044	1,094	1,150	1,083	1,035	964	794	677	525	522	464	409	302	236	196	140	78	49	25	45	12,270
48	1,260	988	992	1,026	1,043	1,001	846	749	668	567	514	449	372	354	233	222	131	90	56	44	62	11,667
49	1,087	861	882	980	925	875	764	721	606	507	526	405	358	295	217	166	124	91	48	25	55	10,518
50	997	785	781	822	848	738	656	591	469	446	450	387	284	303	241	189	117	92	39	17	57	9,309
51	771	634	648	740	711	609	602	569	425	359	369	312	265	255	219	170	90	76	39	26	41	7,930
52	587	498	536	582	524	571	509	463	359	354	266	276	216	189	152	124	89	75	30	15	46	6,461
53	533	449	471	512	520	479	445	377	295	271	214	207	155	174	132	115	77	56	26	8	38	5,554
54	462	394	452	475	470	444	410	343	266	186	198	171	160	122	94	93	62	52	23	14	20	4,911
55	376	333	374	424	417	370	352	299	220	187	157	143	109	95	100	62	45	37	9	9	33	4,151
56	286	312	340	358	321	346	290	237	180	171	135	108	94	75	63	57	43	41	29	14	14	3,514
57	230	239	272	300	266	262	240	179	150	124	122	85	82	64	42	43	32	25	17	13	14	2,801
58	208	230	266	281	238	219	185	169	129	109	100	71	59	59	29	36	16	17	8	10	11	2,450
59	206	200	243	225	208	180	162	123	109	99	56	54	43	40	26	13	27	11	8	4	10	2,047
60	102	114	150	140	121	95	96	58	51	51	38	30	14	11	15	11	5	5	3	4	1	1,115
61	38	33	38	32	26	23	10	19	24	9	9	6	5	4	1	2	4	0	0	0	0	283
62	22	20	19	26	12	7	9	6	5	6	2	2	1	4	1	2	0	0	1	0	1	146
63+	23	41	30	21	15	14	13	10	4	4	4	3	5	3	1	0	0	2	0	0	0	193
Total	336,645	94,611	54,683	51,891	60,740	38,578	31,648	22,732	18,467	14,561	12,241	9,728	7,280	5,579	4,192	2,832	1,797	1,244	658	369	604	771,080

Note: Extracted from files maintained by the Defense Manpower Data Center (DMDC).
Age is age nearest birthday as of the end of the fiscal year.

Average Age 32.0

Average Years of Active Service 2.6

Department of Defense - Office of the Actuary

TABLE C9

DOD NON-SELECTED RESERVE OFFICERS WITH 20 GOOD YEARS BY AGE AND YEARS OF SERVICE FOR THE FY 2011 VALUATION

COMPLETED YEARS OF ACTIVE DUTY SERVICE

Age	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+	Total
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0	0	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	5
38	3	0	1	3	4	3	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	19
39	6	6	9	5	8	9	5	2	3	3	0	5	0	2	3	0	0	0	0	2	2	70
40	10	23	25	25	8	7	7	19	1	8	6	7	6	4	4	1	4	3	0	0	0	168
41	19	34	40	34	19	19	15	8	19	14	12	15	15	9	5	6	3	5	0	0	0	291
42	23	49	48	35	35	40	35	27	27	39	39	49	27	20	8	16	7	4	4	0	0	532
43	43	74	56	61	45	55	34	31	37	56	84	84	53	36	28	18	4	9	3	0	1	812
44	45	74	101	76	79	66	70	47	60	92	86	114	79	58	28	23	18	4	2	5	1	1,128
45	53	69	124	91	79	90	80	64	86	101	130	147	118	77	63	23	19	11	1	5	0	1,431
46	57	91	129	94	129	109	117	93	107	121	109	128	123	73	86	45	32	11	6	2	2	1,664
47	48	150	140	123	147	153	155	121	121	158	147	152	162	104	104	69	47	13	6	2	6	2,128
48	76	151	164	164	170	193	216	196	213	198	178	174	149	122	129	78	39	31	10	3	3	2,657
49	59	128	136	130	195	202	230	226	253	206	159	195	154	126	141	71	52	30	10	5	7	2,715
50	73	163	126	123	185	243	234	242	296	225	196	195	210	150	133	98	54	42	9	5	6	3,008
51	61	162	134	113	183	295	273	274	324	265	264	241	201	161	137	78	56	39	10	6	6	3,283
52	81	164	130	126	221	295	270	293	331	299	243	250	196	167	123	99	71	56	19	7	5	3,446
53	68	163	124	141	249	301	284	320	369	290	258	240	236	185	138	111	69	51	14	3	11	3,625
54	77	181	125	141	276	339	343	371	336	296	274	272	250	196	145	125	87	47	14	5	9	3,909
55	62	182	145	181	294	369	339	409	363	302	295	295	262	190	171	134	96	42	13	3	9	4,156
56	76	210	167	204	298	383	341	389	372	292	296	342	239	247	191	121	93	65	17	6	6	4,355
57	96	234	188	191	319	406	379	368	363	288	280	278	236	197	189	118	79	50	22	6	6	4,293
58	89	235	194	234	338	423	446	391	327	268	290	278	266	198	175	97	66	46	23	6	1	4,391
59	113	356	268	272	415	569	476	395	346	272	243	240	254	197	154	118	66	46	24	10	4	4,838
60	62	186	148	145	222	251	231	174	156	141	134	133	124	112	58	42	44	22	10	3	1	2,399
61	8	7	3	9	2	7	12	5	5	12	9	2	1	0	1	0	2	3	2	0	0	90
62	1	3	0	5	4	5	9	4	5	4	7	3	3	3	1	0	1	0	0	0	1	59
63+	8	3	28	46	42	26	13	12	8	9	7	12	3	3	1	4	1	7	1	4	0	238
Total	1,317	3,098	2,754	2,772	3,966	4,860	4,614	4,482	4,529	3,960	3,747	3,852	3,368	2,637	2,216	1,495	1,010	637	220	88	88	55,710

Note: Extracted from files maintained by the Defense Manpower Data Center (DMDC).
Age is age nearest birthday as of the end of the fiscal year.

Average Age 53.1

Average Years of Active Service 7.7

Department of Defense - Office of the Actuary

TABLE C10

DOD NON-SELECTED RESERVE ENLISTEES WITH 20 GOOD YEARS BY AGE AND YEARS OF SERVICE FOR THE FY 2011 VALUATION

COMPLETED YEARS OF ACTIVE DUTY SERVICE

Age	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+	Total
36	0	3	2	0	1	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	13
37	0	2	1	1	2	0	2	1	1	1	1	1	0	0	1	0	1	0	0	0	0	15
38	3	8	14	3	11	6	11	3	5	9	8	11	8	0	0	2	2	0	0	2	0	106
39	12	48	60	53	26	31	27	19	27	26	32	24	22	14	19	3	3	3	2	0	3	454
40	53	110	114	102	97	77	75	61	77	64	89	81	39	22	25	14	8	5	2	0	0	1,115
41	76	185	208	165	202	139	123	119	109	110	125	113	82	65	46	29	10	4	6	1	7	1,924
42	88	249	282	288	298	263	195	157	126	137	152	143	120	101	56	32	29	12	6	1	1	2,736
43	143	397	387	317	397	384	265	231	198	194	232	204	145	126	82	65	24	11	9	4	1	3,816
44	196	446	478	438	425	515	391	298	233	243	252	214	166	158	111	83	56	21	13	7	3	4,747
45	197	590	494	495	539	583	477	383	312	276	322	276	207	166	107	96	58	30	13	7	6	5,634
46	205	628	577	533	724	603	504	383	385	351	393	304	206	211	129	123	81	54	20	1	7	6,422
47	258	777	593	581	839	875	607	486	443	429	498	410	291	236	176	151	112	49	33	14	7	7,865
48	229	880	669	675	909	875	737	523	584	484	585	518	373	296	201	166	116	50	21	12	15	8,918
49	239	983	701	614	974	1,038	764	609	550	516	596	527	456	285	224	176	137	60	35	12	15	9,511
50	246	1,018	620	690	1,057	1,025	841	604	618	580	589	497	450	437	290	202	127	62	22	11	22	10,008
51	261	992	639	675	1,100	1,119	824	606	671	563	569	457	430	436	359	228	131	63	43	6	19	10,191
52	228	978	607	765	1,191	1,134	831	637	563	492	498	423	353	376	300	231	147	98	56	13	23	9,944
53	244	985	549	789	1,232	1,079	887	579	542	526	434	395	315	303	292	237	119	103	35	15	29	9,689
54	244	1,047	637	815	1,478	1,141	823	593	549	468	467	407	314	282	287	218	167	103	46	10	17	10,113
55	252	1,243	672	922	1,557	1,120	881	683	480	438	383	321	302	267	212	168	149	111	42	25	24	10,252
56	259	1,135	733	1,025	1,449	1,140	832	676	511	447	406	339	271	235	173	137	95	105	46	14	19	10,047
57	287	1,131	726	1,037	1,457	1,077	798	641	545	427	383	292	294	152	132	110	110	62	35	15	22	9,733
58	311	1,199	848	1,088	1,437	1,100	808	644	611	508	364	240	257	212	136	107	92	60	31	17	18	10,088
59	312	1,950	1,308	1,458	1,636	1,032	903	597	682	530	410	283	213	177	118	82	82	66	25	21	18	11,903
60	173	1,018	720	805	836	526	393	351	346	250	247	121	106	103	50	29	27	18	5	4	13	6,141
61	12	27	42	31	46	21	15	11	16	9	8	7	1	1	1	0	0	1	3	0	0	252
62	3	13	29	27	31	15	15	5	5	5	5	5	5	5	2	0	0	0	0	0	0	170
63+	17	57	157	94	159	74	39	30	17	13	18	13	7	7	2	2	2	7	2	0	0	717
Total	4,548	18,099	12,867	14,486	20,110	16,995	13,069	9,930	9,206	8,097	8,066	6,626	5,433	4,673	3,531	2,691	1,885	1,158	551	212	291	162,524

Note: Extracted from files maintained by the Defense Manpower Data Center (DMDC).
Age is age nearest birthday as of the end of the fiscal year.

Average Age 52.0

Average Years of Active Service 6.1

Department of Defense - Office of the Actuary

TABLE C11

DOD NON-SELECTED RESERVE OFFICERS AND ENLISTEES WITH 20 GOOD YEARS BY AGE AND YEARS OF SERVICE FOR THE FY 2011 VALUATION

COMPLETED YEARS OF ACTIVE DUTY SERVICE

Age	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+	Total
36	0	3	2	0	1	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	13
37	0	2	2	1	2	2	2	1	2	1	1	1	0	0	1	0	1	0	0	0	1	20
38	6	8	15	6	15	9	11	4	5	10	9	12	9	0	0	2	2	0	0	2	0	125
39	18	54	69	58	34	40	32	21	30	29	32	29	22	16	22	3	3	3	2	2	5	524
40	63	133	139	127	105	84	82	80	78	72	95	88	45	26	29	15	12	8	2	0	0	1,283
41	95	219	248	199	221	158	138	127	128	124	137	128	97	74	51	35	13	9	6	1	7	2,215
42	111	298	330	323	333	303	230	184	153	176	191	192	147	121	64	48	36	16	10	1	1	3,268
43	186	471	443	378	442	439	299	262	235	250	316	288	198	162	110	83	28	20	12	4	2	4,628
44	241	520	579	514	504	581	461	345	293	335	338	328	245	216	139	106	74	25	15	12	4	5,875
45	250	659	618	586	618	673	557	447	398	377	452	423	325	243	170	119	77	41	14	12	6	7,065
46	262	719	706	627	853	712	621	476	492	472	502	432	329	284	215	168	113	65	26	3	9	8,086
47	306	927	733	704	986	1,028	762	607	564	587	645	562	453	340	280	220	159	62	39	16	13	9,993
48	305	1,031	833	839	1,079	1,068	953	719	797	682	763	692	522	418	330	244	155	81	31	15	18	11,575
49	298	1,111	837	744	1,169	1,240	994	835	803	722	755	722	610	411	365	247	189	90	45	17	22	12,226
50	319	1,181	746	813	1,242	1,268	1,075	846	914	805	785	692	660	587	423	300	181	104	31	16	28	13,016
51	322	1,154	773	788	1,283	1,414	1,097	880	995	828	833	698	631	597	496	306	187	102	53	12	25	13,474
52	309	1,142	737	891	1,412	1,429	1,101	930	894	791	741	673	549	543	423	330	218	154	75	20	28	13,390
53	312	1,148	673	930	1,481	1,380	1,171	899	911	816	692	635	551	488	430	348	188	154	49	18	40	13,314
54	321	1,228	762	956	1,754	1,480	1,166	964	885	764	741	679	564	478	432	343	254	150	60	15	26	14,022
55	314	1,425	817	1,103	1,851	1,489	1,220	1,092	843	740	678	616	564	457	383	302	245	153	55	28	33	14,408
56	335	1,345	900	1,229	1,747	1,523	1,173	1,065	883	739	702	681	510	482	364	258	188	170	63	20	25	14,402
57	383	1,365	914	1,228	1,776	1,483	1,177	1,009	908	715	663	570	530	349	321	228	189	112	57	21	28	14,026
58	400	1,434	1,042	1,322	1,775	1,523	1,254	1,035	938	776	654	518	523	410	311	204	158	106	54	23	19	14,479
59	425	2,306	1,576	1,730	2,051	1,601	1,379	992	1,028	802	653	523	467	374	272	200	148	112	49	31	22	16,741
60	235	1,204	868	950	1,058	777	624	525	502	391	381	254	230	215	108	71	71	40	15	7	14	8,540
61	20	34	45	40	48	28	27	16	21	21	17	9	2	1	2	0	2	4	5	0	0	342
62	4	16	29	32	35	20	24	9	10	9	12	8	8	8	3	0	1	0	0	0	1	229
63+	25	60	185	140	201	100	52	42	25	22	25	25	10	10	3	6	3	14	3	4	0	955
Total	5,865	21,197	15,621	17,258	24,076	21,855	17,683	14,412	13,735	12,057	11,813	10,478	8,801	7,310	5,747	4,186	2,895	1,795	771	300	379	218,234

Note: Extracted from files maintained by the Defense Manpower Data Center (DMDC).
Age is age nearest birthday as of the end of the fiscal year.

Average Age 52.3

Average Years of Active Service 6.5

Department of Defense - Office of the Actuary

TABLE C12

DOD AND ALL UNIFORMED RETIRED OFFICERS AS OF 9/30/2011

	DoD Only					All Uniformed				
Age	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0
22	0	0	1	0	1	0	0	1	0	1
23	0	0	0	0	0	0	0	0	0	0
24	0	1	4	0	5	0	1	5	0	6
25	0	5	10	0	15	0	5	10	0	15
26	0	6	18	0	24	0	6	19	0	25
27	0	17	20	0	37	0	17	20	0	37
28	0	30	24	0	54	0	31	25	0	56
29	0	45	32	0	77	0	45	32	0	77
30	0	59	38	0	97	0	59	38	0	97
31	0	68	46	0	114	0	69	48	0	117
32	0	87	38	0	125	0	88	39	0	127
33	0	75	28	0	103	0	75	29	0	104
34	0	83	44	0	127	0	84	45	0	129
35	0	85	31	0	116	0	87	32	0	119
36	0	104	25	0	129	0	109	26	0	135
37	1	101	33	0	135	1	101	34	0	136
38	14	116	29	0	159	15	119	29	0	163
39	117	132	27	0	276	119	138	28	0	285
40	331	136	33	0	500	342	141	34	0	517
41	523	166	47	0	736	544	168	47	0	759
42	916	174	27	0	1,117	945	178	27	0	1,150
43	1,518	167	36	0	1,721	1,582	175	37	0	1,794
44	2,288	203	32	0	2,523	2,358	214	32	0	2,604
45	3,150	198	30	0	3,378	3,289	203	34	0	3,526
46	4,065	216	20	0	4,301	4,218	226	21	0	4,465
47	4,940	262	31	0	5,233	5,136	276	33	0	5,445
48	5,672	250	24	0	5,946	5,905	256	24	0	6,185
49	6,127	301	16	0	6,444	6,453	318	16	0	6,787
50	6,685	283	13	0	6,981	7,128	291	13	0	7,432
51	7,115	267	24	0	7,406	7,547	277	26	0	7,850
52	7,683	297	12	0	7,992	8,133	316	12	0	8,461
53	8,308	303	12	0	8,623	8,770	316	16	0	9,102
54	9,000	320	11	0	9,331	9,476	346	12	0	9,834
55	9,304	326	7	0	9,637	9,826	343	8	0	10,177
56	9,866	298	12	0	10,176	10,410	320	13	0	10,743
57	10,067	347	3	0	10,417	10,617	368	3	0	10,988
58	10,389	376	6	0	10,771	10,911	397	8	0	11,316
59	10,428	369	6	0	10,803	11,032	386	7	0	11,425
60	10,302	356	6	2,215	12,879	10,844	381	7	2,255	13,487
61	10,620	383	3	5,754	16,760	11,229	410	4	5,854	17,497
62	11,272	432	5	6,812	18,521	11,868	458	5	6,913	19,244
63	12,128	458	1	8,027	20,614	12,744	488	2	8,167	21,401
64	13,032	613	1	8,925	22,571	13,724	635	1	9,083	23,443
65	13,874	725	0	9,556	24,155	14,552	761	0	9,714	25,027

TABLE C12 (CONT'D)

DOD AND ALL UNIFORMED RETIRED OFFICERS AS OF 9/30/2011

	DoD Only					All Uniformed				
Age	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total
66	9,637	551	0	6,808	16,996	10,104	576	0	6,924	17,604
67	9,745	554	0	6,799	17,098	10,214	577	0	6,884	17,675
68	9,947	535	0	6,395	16,877	10,451	555	0	6,522	17,528
69	9,777	552	0	6,350	16,679	10,285	566	0	6,461	17,312
70	8,614	398	0	5,151	14,163	9,069	419	0	5,242	14,730
71	8,736	396	0	4,621	13,753	9,144	422	0	4,713	14,279
72	8,753	327	0	4,313	13,393	9,160	344	0	4,414	13,918
73	8,357	310	0	4,306	12,973	8,733	324	0	4,413	13,470
74	7,972	284	0	4,180	12,436	8,315	295	0	4,273	12,883
75	7,594	276	0	3,945	11,815	7,928	296	0	4,031	12,255
76	7,400	271	0	3,760	11,431	7,672	284	0	3,838	11,794
77	7,717	268	0	3,831	11,816	7,988	284	0	3,914	12,186
78	7,351	236	0	3,522	11,109	7,575	245	0	3,590	11,410
79	7,325	265	0	3,575	11,165	7,539	281	0	3,651	11,471
80	6,884	318	0	3,698	10,900	7,103	329	0	3,769	11,201
81	6,745	283	0	3,864	10,892	6,932	299	0	3,920	11,151
82	5,982	306	0	3,636	9,924	6,135	316	0	3,719	10,170
83	4,823	274	0	3,082	8,179	4,979	290	0	3,127	8,396
84	3,405	197	0	2,129	5,731	3,528	210	0	2,178	5,916
85	2,692	184	0	1,953	4,829	2,781	187	0	1,990	4,958
86	2,851	190	0	2,213	5,254	2,942	196	0	2,234	5,372
87	3,023	274	0	2,631	5,928	3,109	279	0	2,648	6,036
88	3,003	395	0	2,627	6,025	3,077	400	0	2,643	6,120
89	2,920	442	0	2,602	5,964	3,005	448	0	2,624	6,077
90	3,068	472	0	2,472	6,012	3,139	477	0	2,493	6,109
91	2,563	491	0	2,188	5,242	2,620	499	0	2,205	5,324
92	2,104	432	0	1,705	4,241	2,150	438	0	1,718	4,306
93	1,566	290	0	1,385	3,241	1,593	295	0	1,400	3,288
94	1,072	238	0	986	2,296	1,091	241	0	994	2,326
95	687	147	0	667	1,501	709	149	0	674	1,532
96	480	103	0	416	999	489	105	0	422	1,016
97	250	62	0	290	602	259	63	0	291	613
98	150	41	0	153	344	161	42	0	157	360
99	60	27	0	88	175	63	27	0	89	179
100	54	7	0	52	113	56	7	0	52	115
101	32	6	0	39	77	34	6	0	39	79
102	13	3	0	24	40	14	3	0	24	41
103	7	1	0	6	14	8	1	0	6	15
104	8	3	0	1	12	9	3	0	1	13
105	3	1	0	1	5	3	1	0	1	5
106	1	0	0	1	2	1	0	0	1	2
107	1	0	0	1	2	1	0	0	1	2
108	0	0	0	1	1	0	0	0	1	1
109	1	0	0	0	1	1	0	0	0	1
110	1	0	0	1	2	1	0	0	1	2
Total	363,109	19,650	866	147,757	531,382	379,888	20,461	902	150,278	551,529
60+	244,602	13,377	16	147,757	405,752	255,131	13,912	19	150,278	419,340
62+	223,680	12,638	7	139,788	376,113	233,058	13,121	8	142,169	388,356
65+	187,248	11,135	0	116,024	314,407	194,722	11,540	0	118,006	324,268

Note: Age is retiree's current age nearest birthday at end of fiscal year.
60+ is total for ages 60 and over.
62+ is total for ages 62 and over.
65+ is total for ages 65 and over.

TABLE C13

DOD AND ALL UNIFORMED RETIRED ENLISTEES AS OF 9/30/2011

	DoD Only					All Uniformed				
Age	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0	1	0	0	1	0	1	0	0	1
19	0	5	8	0	13	0	5	8	0	13
20	0	14	45	0	59	0	14	45	0	59
21	0	57	173	0	230	0	57	173	0	230
22	0	195	342	0	537	0	196	346	0	542
23	0	357	578	0	935	0	359	582	0	941
24	0	565	876	0	1,441	0	567	888	0	1,455
25	0	787	1,188	0	1,975	0	788	1,198	0	1,986
26	0	1,144	1,272	0	2,416	0	1,149	1,288	0	2,437
27	0	1,324	1,275	0	2,599	0	1,330	1,299	0	2,629
28	0	1,449	1,182	0	2,631	0	1,472	1,203	0	2,675
29	0	1,557	1,102	0	2,659	0	1,573	1,120	0	2,693
30	0	1,480	1,015	0	2,495	0	1,508	1,035	0	2,543
31	0	1,593	847	0	2,440	0	1,620	871	0	2,491
32	0	1,522	773	0	2,295	0	1,554	796	0	2,350
33	0	1,513	646	0	2,159	0	1,537	659	0	2,196
34	0	1,457	532	0	1,989	0	1,489	548	0	2,037
35	0	1,533	476	0	2,009	0	1,557	480	0	2,037
36	0	1,444	409	0	1,853	0	1,477	421	0	1,898
37	0	1,529	364	0	1,893	0	1,564	379	0	1,943
38	475	1,499	355	0	2,329	478	1,537	361	0	2,376
39	2,443	1,765	295	0	4,503	2,463	1,798	304	0	4,565
40	5,752	1,894	314	0	7,960	5,804	1,942	322	0	8,068
41	8,728	2,129	311	0	11,168	8,816	2,169	318	0	11,303
42	11,252	2,050	264	0	13,566	11,405	2,125	274	0	13,804
43	14,299	2,120	215	0	16,634	14,476	2,191	216	0	16,883
44	17,746	2,141	189	0	20,076	17,962	2,208	192	0	20,362
45	21,236	2,348	183	0	23,767	21,494	2,430	184	0	24,108
46	24,375	2,521	186	0	27,082	24,710	2,607	188	0	27,505
47	28,106	2,749	144	0	30,999	28,528	2,856	145	0	31,529
48	30,871	2,824	128	0	33,823	31,443	2,939	132	0	34,514
49	33,488	2,996	125	0	36,609	34,204	3,152	127	0	37,483
50	35,548	2,969	89	0	38,606	36,478	3,097	90	0	39,665
51	36,812	3,050	92	0	39,954	37,716	3,215	92	0	41,023
52	36,618	3,179	76	0	39,873	37,491	3,327	78	0	40,896
53	35,921	3,107	58	0	39,086	36,696	3,253	60	0	40,009
54	35,205	3,248	46	0	38,499	35,955	3,384	46	0	39,385
55	33,838	3,166	32	0	37,036	34,506	3,320	32	0	37,858
56	32,994	3,246	39	0	36,279	33,630	3,365	39	0	37,034
57	32,685	3,294	34	0	36,013	33,205	3,384	34	0	36,623
58	31,629	3,319	10	0	34,958	32,128	3,410	10	0	35,548
59	31,511	3,387	22	0	34,920	31,964	3,496	22	0	35,482
60	28,966	3,494	14	5,353	37,827	29,367	3,596	14	5,464	38,441
61	27,775	4,637	12	14,021	46,445	28,164	4,733	12	14,234	47,143
62	28,207	6,169	6	15,746	50,128	28,567	6,261	6	15,995	50,829
63	28,418	7,510	10	16,754	52,692	28,785	7,596	10	17,006	53,397
64	28,569	7,752	1	17,968	54,290	28,930	7,848	2	18,241	55,021
65	28,320	6,433	0	17,859	52,612	28,667	6,518	0	18,182	53,367

TABLE C13 (CONT'D)

DOD AND ALL UNIFORMED RETIRED ENLISTEES AS OF 9/30/2011

	DoD Only					All Uniformed				
Age	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total
66	19,747	3,930	0	12,484	36,161	19,986	3,989	0	12,691	36,666
67	20,233	3,211	0	11,548	34,992	20,508	3,271	0	11,751	35,530
68	22,002	2,740	0	11,011	35,753	22,277	2,789	0	11,213	36,279
69	24,034	2,461	0	10,488	36,983	24,348	2,506	0	10,710	37,564
70	22,498	2,054	0	8,327	32,879	22,800	2,107	0	8,490	33,397
71	21,744	1,724	0	7,226	30,694	22,112	1,774	0	7,391	31,277
72	21,770	1,463	0	7,075	30,308	22,156	1,511	0	7,248	30,915
73	22,774	1,480	0	6,998	31,252	23,199	1,534	0	7,152	31,885
74	24,356	1,431	0	6,903	32,690	24,760	1,473	0	7,007	33,240
75	24,005	1,359	0	6,533	31,897	24,374	1,408	0	6,640	32,422
76	23,280	1,331	0	6,195	30,806	23,546	1,357	0	6,280	31,183
77	21,504	1,359	0	5,365	28,228	21,772	1,400	0	5,452	28,624
78	19,727	1,413	0	4,435	25,575	19,947	1,451	0	4,519	25,917
79	19,131	1,822	0	4,242	25,195	19,370	1,862	0	4,296	25,528
80	18,061	2,027	0	4,190	24,278	18,239	2,076	0	4,252	24,567
81	18,380	2,072	0	3,958	24,410	18,552	2,102	0	4,006	24,660
82	16,278	1,899	0	3,108	21,285	16,428	1,929	0	3,136	21,493
83	12,638	1,393	0	2,449	16,480	12,797	1,406	0	2,483	16,686
84	10,014	990	0	1,689	12,693	10,131	1,018	0	1,702	12,851
85	7,259	575	0	1,427	9,261	7,364	583	0	1,443	9,390
86	6,006	498	0	1,255	7,759	6,111	510	0	1,276	7,897
87	5,238	390	0	1,122	6,750	5,312	394	0	1,141	6,847
88	4,498	318	0	919	5,735	4,550	321	0	932	5,803
89	3,587	261	0	742	4,590	3,632	265	0	746	4,643
90	3,124	185	0	673	3,982	3,162	186	0	679	4,027
91	2,341	129	0	483	2,953	2,365	135	0	487	2,987
92	1,879	113	0	350	2,342	1,898	116	0	352	2,366
93	1,179	92	0	228	1,499	1,193	94	0	231	1,518
94	799	40	0	168	1,007	809	40	0	168	1,017
95	440	30	0	91	561	448	30	0	93	571
96	302	22	0	60	384	308	23	0	60	391
97	199	12	0	49	260	203	12	0	49	264
98	93	4	0	25	122	93	4	0	25	122
99	64	4	0	11	79	65	4	0	11	80
100	43	2	0	7	52	43	2	0	7	52
101	20	1	0	4	25	21	1	0	4	26
102	15	1	0	2	18	16	1	0	2	19
103	13	1	0	1	15	13	1	0	1	15
104	13	4	0	1	18	13	4	0	1	18
105	10	1	0	0	11	10	1	0	0	11
106	6	1	0	0	7	6	1	0	0	7
107	5	1	0	0	6	5	1	0	0	6
108	3	2	0	0	5	3	2	0	0	5
109	2	2	0	0	4	2	2	0	0	4
110	21	2	0	1	24	21	2	0	1	24
Total	1,131,122	153,372	16,353	219,544	1,520,391	1,149,000	157,272	16,649	223,250	1,546,171
60+	589,590	74,845	43	219,544	884,022	597,448	76,250	44	223,250	896,992
62+	532,849	66,714	17	200,170	799,750	539,917	67,921	18	203,552	811,408
65+	447,655	45,283	0	149,702	642,640	453,635	46,216	0	152,310	652,161

Note: Age is retiree's current age nearest birthday at end of fiscal year.
60+ is total for ages 60 and over.
62+ is total for ages 62 and over.
65+ is total for ages 65 and over.

TABLE C14

DOD AND ALL UNIFORMED RETIRED OFFICERS AND ENLISTEES AS OF 9/30/2011

	DoD Only					All Uniformed				
Age	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0	1	0	0	1	0	1	0	0	1
19	0	5	8	0	13	0	5	8	0	13
20	0	14	45	0	59	0	14	45	0	59
21	0	57	173	0	230	0	57	173	0	230
22	0	195	343	0	538	0	196	347	0	543
23	0	357	578	0	935	0	359	582	0	941
24	0	566	880	0	1,446	0	568	893	0	1,461
25	0	792	1,198	0	1,990	0	793	1,208	0	2,001
26	0	1,150	1,290	0	2,440	0	1,155	1,307	0	2,462
27	0	1,341	1,295	0	2,636	0	1,347	1,319	0	2,666
28	0	1,479	1,206	0	2,685	0	1,503	1,228	0	2,731
29	0	1,602	1,134	0	2,736	0	1,618	1,152	0	2,770
30	0	1,539	1,053	0	2,592	0	1,567	1,073	0	2,640
31	0	1,661	893	0	2,554	0	1,689	919	0	2,608
32	0	1,609	811	0	2,420	0	1,642	835	0	2,477
33	0	1,588	674	0	2,262	0	1,612	688	0	2,300
34	0	1,540	576	0	2,116	0	1,573	593	0	2,166
35	0	1,618	507	0	2,125	0	1,644	512	0	2,156
36	0	1,548	434	0	1,982	0	1,586	447	0	2,033
37	1	1,630	397	0	2,028	1	1,665	413	0	2,079
38	489	1,615	384	0	2,488	493	1,656	390	0	2,539
39	2,560	1,897	322	0	4,779	2,582	1,936	332	0	4,850
40	6,083	2,030	347	0	8,460	6,146	2,083	356	0	8,585
41	9,251	2,295	358	0	11,904	9,360	2,337	365	0	12,062
42	12,168	2,224	291	0	14,683	12,350	2,303	301	0	14,954
43	15,817	2,287	251	0	18,355	16,058	2,366	253	0	18,677
44	20,034	2,344	221	0	22,599	20,320	2,422	224	0	22,966
45	24,386	2,546	213	0	27,145	24,783	2,633	218	0	27,634
46	28,440	2,737	206	0	31,383	28,928	2,833	209	0	31,970
47	33,046	3,011	175	0	36,232	33,664	3,132	178	0	36,974
48	36,543	3,074	152	0	39,769	37,348	3,195	156	0	40,699
49	39,615	3,297	141	0	43,053	40,657	3,470	143	0	44,270
50	42,233	3,252	102	0	45,587	43,606	3,388	103	0	47,097
51	43,927	3,317	116	0	47,360	45,263	3,492	118	0	48,873
52	44,301	3,476	88	0	47,865	45,624	3,643	90	0	49,357
53	44,229	3,410	70	0	47,709	45,466	3,569	76	0	49,111
54	44,205	3,568	57	0	47,830	45,431	3,730	58	0	49,219
55	43,142	3,492	39	0	46,673	44,332	3,663	40	0	48,035
56	42,860	3,544	51	0	46,455	44,040	3,685	52	0	47,777
57	42,752	3,641	37	0	46,430	43,822	3,752	37	0	47,611
58	42,018	3,695	16	0	45,729	43,039	3,807	18	0	46,864
59	41,939	3,756	28	0	45,723	42,996	3,882	29	0	46,907
60	39,268	3,850	20	7,568	50,706	40,211	3,977	21	7,719	51,928
61	38,395	5,020	15	19,775	63,205	39,393	5,143	16	20,088	64,640
62	39,479	6,601	11	22,558	68,649	40,435	6,719	11	22,908	70,073
63	40,546	7,968	11	24,781	73,306	41,529	8,084	12	25,173	74,798
64	41,601	8,365	2	26,893	76,861	42,654	8,483	3	27,324	78,464
65	42,194	7,158	0	27,415	76,767	43,219	7,279	0	27,896	78,394

TABLE C14 (CONT'D)

DOD AND ALL UNIFORMED RETIRED OFFICERS AND ENLISTEES AS OF 9/30/2011

	DoD Only					All Uniformed				
Age	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total
66	29,384	4,481	0	19,292	53,157	30,090	4,565	0	19,615	54,270
67	29,978	3,765	0	18,347	52,090	30,722	3,848	0	18,635	53,205
68	31,949	3,275	0	17,406	52,630	32,728	3,344	0	17,735	53,807
69	33,811	3,013	0	16,838	53,662	34,633	3,072	0	17,171	54,876
70	31,112	2,452	0	13,478	47,042	31,869	2,526	0	13,732	48,127
71	30,480	2,120	0	11,847	44,447	31,256	2,196	0	12,104	45,556
72	30,523	1,790	0	11,388	43,701	31,316	1,855	0	11,662	44,833
73	31,131	1,790	0	11,304	44,225	31,932	1,858	0	11,565	45,355
74	32,328	1,715	0	11,083	45,126	33,075	1,768	0	11,280	46,123
75	31,599	1,635	0	10,478	43,712	32,302	1,704	0	10,671	44,677
76	30,680	1,602	0	9,955	42,237	31,218	1,641	0	10,118	42,977
77	29,221	1,627	0	9,196	40,044	29,760	1,684	0	9,366	40,810
78	27,078	1,649	0	7,957	36,684	27,522	1,696	0	8,109	37,327
79	26,456	2,087	0	7,817	36,360	26,909	2,143	0	7,947	36,999
80	24,945	2,345	0	7,888	35,178	25,342	2,405	0	8,021	35,768
81	25,125	2,355	0	7,822	35,302	25,484	2,401	0	7,926	35,811
82	22,260	2,205	0	6,744	31,209	22,563	2,245	0	6,855	31,663
83	17,461	1,667	0	5,531	24,659	17,776	1,696	0	5,610	25,082
84	13,419	1,187	0	3,818	18,424	13,659	1,228	0	3,880	18,767
85	9,951	759	0	3,380	14,090	10,145	770	0	3,433	14,348
86	8,857	688	0	3,468	13,013	9,053	706	0	3,510	13,269
87	8,261	664	0	3,753	12,678	8,421	673	0	3,789	12,883
88	7,501	713	0	3,546	11,760	7,627	721	0	3,575	11,923
89	6,507	703	0	3,344	10,554	6,637	713	0	3,370	10,720
90	6,192	657	0	3,145	9,994	6,301	663	0	3,172	10,136
91	4,904	620	0	2,671	8,195	4,985	634	0	2,692	8,311
92	3,983	545	0	2,055	6,583	4,048	554	0	2,070	6,672
93	2,745	382	0	1,613	4,740	2,786	389	0	1,631	4,806
94	1,871	278	0	1,154	3,303	1,900	281	0	1,162	3,343
95	1,127	177	0	758	2,062	1,157	179	0	767	2,103
96	782	125	0	476	1,383	797	128	0	482	1,407
97	449	74	0	339	862	462	75	0	340	877
98	243	45	0	178	466	254	46	0	182	482
99	124	31	0	99	254	128	31	0	100	259
100	97	9	0	59	165	99	9	0	59	167
101	52	7	0	43	102	55	7	0	43	105
102	28	4	0	26	58	30	4	0	26	60
103	20	2	0	7	29	21	2	0	7	30
104	21	7	0	2	30	22	7	0	2	31
105	13	2	0	1	16	13	2	0	1	16
106	7	1	0	1	9	7	1	0	1	9
107	6	1	0	1	8	6	1	0	1	8
108	3	2	0	1	6	3	2	0	1	6
109	3	2	0	0	5	3	2	0	0	5
110	22	2	0	2	26	22	2	0	2	26
Total	1,494,231	173,022	17,219	367,301	2,051,773	1,528,888	177,733	17,551	373,528	2,097,700
60+	834,192	88,222	59	367,301	1,289,774	852,579	90,162	63	373,528	1,316,332
62+	756,529	79,352	24	339,958	1,175,863	772,975	81,042	26	345,721	1,199,764
65+	634,903	56,418	0	265,726	957,047	648,357	57,756	0	270,316	976,429

Note: Age is retiree's current age nearest birthday at end of fiscal year.
60+ is total for ages 60 and over.
62+ is total for ages 62 and over.
65+ is total for ages 65 and over.

TABLE C15

DOD AND ALL UNIFORMED SURVIVING SPOUSES AS OF 9/30/2011

	DoD Only					All Uniformed				
Age	Active Duty Officer	Active Duty Enlistee	Reserve Officer	Reserve Enlistee	Total	Active Duty Officer	Active Duty Enlistee	Reserve Officer	Reserve Enlistee	Total
0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0
19	1	7	0	0	8	2	7	0	0	9
20	0	23	0	0	23	0	23	0	0	23
21	0	67	0	0	67	0	67	0	0	67
22	0	90	0	0	90	0	90	0	0	90
23	1	140	0	0	141	1	140	0	0	141
24	4	170	0	1	175	4	171	0	1	176
25	7	250	0	0	257	7	254	0	0	261
26	11	292	0	0	303	11	294	0	0	305
27	19	326	1	2	348	19	327	1	2	349
28	11	351	1	2	365	11	351	1	2	365
29	21	368	1	1	391	21	376	1	1	399
30	31	371	0	2	404	31	374	0	2	407
31	36	369	0	0	405	36	375	0	0	411
32	34	355	0	2	391	35	358	0	2	395
33	45	311	0	2	358	45	314	0	2	361
34	34	395	0	4	433	34	398	0	4	436
35	46	373	2	5	426	46	379	2	5	432
36	57	392	3	4	456	58	400	4	4	466
37	63	432	1	5	501	64	439	1	5	509
38	65	450	4	6	525	68	456	4	7	535
39	75	506	2	11	594	76	517	2	11	606
40	81	546	0	6	633	85	554	0	6	645
41	101	722	2	19	844	104	729	2	19	854
42	92	735	7	7	841	97	752	7	7	863
43	101	741	5	14	861	101	754	5	15	875
44	115	802	7	21	945	122	821	7	21	971
45	130	901	3	14	1,048	135	914	3	14	1,066
46	145	1,109	7	27	1,288	151	1,120	7	27	1,305
47	165	1,308	10	33	1,516	173	1,322	10	35	1,540
48	187	1,450	17	46	1,700	194	1,477	17	46	1,734
49	207	1,589	18	57	1,871	213	1,610	18	58	1,899
50	242	1,794	27	64	2,127	247	1,832	27	64	2,170
51	304	2,036	21	76	2,437	316	2,076	21	77	2,490
52	315	2,204	31	97	2,647	323	2,251	32	97	2,703
53	321	2,377	31	89	2,818	335	2,414	34	90	2,873
54	374	2,725	43	125	3,267	384	2,775	43	126	3,328
55	439	3,123	72	129	3,763	456	3,174	73	131	3,834
56	515	3,217	79	161	3,972	527	3,278	80	163	4,048
57	629	3,762	93	205	4,689	658	3,807	95	210	4,770
58	679	3,999	104	238	5,020	699	4,054	105	238	5,096
59	734	4,338	130	283	5,485	771	4,392	133	286	5,582

TABLE C15 (CONT'D)

DOD AND ALL UNIFORMED SURVIVING SPOUSES AS OF 9/30/2011

	DoD Only					All Uniformed				
Age	Active Duty Officer	Active Duty Enlistee	Reserve Officer	Reserve Enlistee	Total	Active Duty Officer	Active Duty Enlistee	Reserve Officer	Reserve Enlistee	Total
60	876	4,831	147	379	6,233	908	4,894	148	384	6,334
61	970	5,202	174	425	6,771	1,015	5,273	178	425	6,891
62	1,165	5,782	182	513	7,642	1,204	5,848	187	522	7,761
63	1,316	6,369	261	643	8,589	1,361	6,450	269	650	8,730
64	1,584	7,139	355	725	9,803	1,645	7,237	361	734	9,977
65	1,795	7,555	396	822	10,568	1,854	7,657	403	833	10,747
66	1,488	6,643	384	680	9,195	1,543	6,743	389	688	9,363
67	1,745	7,579	405	808	10,537	1,811	7,687	413	819	10,730
68	1,973	8,604	518	879	11,974	2,035	8,747	527	896	12,205
69	2,234	9,365	597	1,030	13,226	2,304	9,496	608	1,050	13,458
70	2,192	9,861	545	999	13,597	2,286	10,002	555	1,016	13,859
71	2,265	10,450	601	1,070	14,386	2,339	10,584	616	1,088	14,627
72	2,459	11,030	679	1,091	15,259	2,541	11,168	691	1,108	15,508
73	2,693	12,231	724	1,194	16,842	2,772	12,381	736	1,217	17,106
74	2,840	12,874	820	1,216	17,750	2,930	13,013	832	1,230	18,005
75	2,945	13,271	885	1,264	18,365	3,040	13,401	898	1,279	18,618
76	3,336	14,122	941	1,344	19,743	3,405	14,265	959	1,354	19,983
77	3,638	14,202	1,090	1,318	20,248	3,727	14,349	1,103	1,328	20,507
78	3,443	13,552	1,085	1,305	19,385	3,526	13,668	1,108	1,314	19,616
79	3,846	14,033	1,281	1,267	20,427	3,925	14,163	1,298	1,281	20,667
80	3,861	13,338	1,359	1,267	19,825	3,947	13,475	1,376	1,282	20,080
81	4,069	12,849	1,444	1,138	19,500	4,162	12,977	1,467	1,152	19,758
82	3,925	11,868	1,466	1,132	18,391	4,018	12,008	1,492	1,142	18,660
83	4,025	10,779	1,637	1,164	17,605	4,116	10,909	1,651	1,178	17,854
84	4,068	10,195	1,863	981	17,107	4,152	10,322	1,883	994	17,351
85	4,623	9,743	2,045	980	17,391	4,716	9,859	2,063	987	17,625
86	5,255	8,740	2,188	854	17,037	5,343	8,831	2,207	863	17,244
87	5,544	7,947	2,306	868	16,665	5,644	8,038	2,323	876	16,881
88	5,860	7,084	2,390	749	16,083	5,959	7,157	2,413	759	16,288
89	5,609	5,972	2,328	589	14,498	5,684	6,048	2,348	591	14,671
90	5,357	4,996	2,328	527	13,208	5,424	5,080	2,351	535	13,390
91	4,407	3,743	1,878	355	10,383	4,483	3,792	1,897	358	10,530
92	3,379	2,836	1,527	289	8,031	3,444	2,877	1,548	292	8,161
93	2,547	1,953	1,088	216	5,804	2,594	1,994	1,098	217	5,903
94	1,976	1,505	890	150	4,521	2,014	1,527	895	151	4,587
95	1,346	1,090	620	103	3,159	1,376	1,106	628	104	3,214
96	1,036	764	444	74	2,318	1,049	786	448	75	2,358
97	772	589	343	41	1,745	789	604	348	41	1,782
98	578	412	216	25	1,231	595	420	218	25	1,258
99	424	310	166	22	922	432	319	167	22	940
100	286	228	89	14	617	295	233	89	14	631
101	214	169	61	6	450	221	174	61	6	462
102	149	145	51	6	351	157	149	51	6	363
103	101	109	38	4	252	104	112	38	4	258
104	180	132	66	0	378	182	134	68	0	384
105	116	114	18	2	250	118	116	18	2	254
106	45	44	11	0	100	47	45	11	0	103
107	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0
Total	120,992	357,865	41,652	32,286	552,795	123,896	362,334	42,171	32,670	561,071
60+	114,555	312,349	40,930	30,528	498,362	117,236	316,118	41,436	30,892	505,682
62+	112,709	302,316	40,609	29,724	485,358	115,313	305,951	41,110	30,083	492,457
65+	108,644	283,026	39,811	27,843	459,324	111,103	286,416	40,293	28,177	465,989

Note: Age is survivor's current age nearest birthday at end of fiscal year.
60+ is total for ages 60 and over.
62+ is total for ages 62 and over.
65+ is total for ages 65 and over.

APPENDIX D

ECONOMIC ASSUMPTIONS

Page

Economic Assumptions D-2

Table D1: Average Consumer Price Index (CPI-W) Increases D-7

Table D2: Average Real Yield Rates On New Purchases D-8

Table D3: Average Real Fund Effective Yield D-9

Table D4: Medical Trend Rates D-10

ECONOMIC ASSUMPTIONS

In August, 2012, the DoD MERHCF Board of Actuaries adopted the following economic assumptions for use in the valuation as of September 30, 2011:

- General inflation rate = 3.00%;
- Valuation discount rate = 5.75%;
- Medical trend rates as shown in the Table D4.

As background for determining the economic assumptions, DoD Office of the Actuary (OACT) presents the Board with a number of external and internal analyses prepared by economists and actuaries, and provides the MERHCF Board with extensive historical data on inflation, interest rates, and health care cost trends. The MERHCF Board also considers the analysis and assumptions developed by the Center for Medicare and Medicaid Services as well as the assumptions made by the DoD Board of Actuaries (in reference to the assumptions made for the actuarial valuation of the Military Retirement Fund).

Inflation

The CPI-W (here-in referred to as CPI), published by the Bureau of Labor Statistics, is the consumer price index for urban wage earners and clerical workers. The CPI is used as an inflation assumption, a component of nominal interest and also of long term medical trend. Table D1 shows the average annual CPI changes over various periods of time since 1930. Different periods experienced different rates of change. The average annual CPI change during successive 30-year periods since World War II has risen from 3.79 percent for the period ending in 1975 to 5.20 percent for the period ending in 1995. This reflects the high inflation during the 1970s. The average annual CPI change during the current 31-year period ending in 2011 is approximately 3.01 percent.

The CPI assumption chosen in 2012 by the MERHCF Board of Actuaries is 3.00 percent, unchanged from the prior year and the same as the CPI assumption selected in 2012 by the DoD Board of Actuaries for the Military Retirement Fund. This assumption is reasonably consistent with the 2.80 percent intermediate CPI assumption selected by both the Trustees of the Center for Medicare and Medicaid Services and the Trustees of the Social Security Administration in both of their 2012 Trustees' Reports.

Interest Rate

The MERHCF Board analyzed the real interest rate data in Tables D2 and D3 when setting the interest rate assumption. The real interest rate is defined as the difference between the nominal interest rate and the CPI. Other things being equal, a lower element of risk in an investment will give a lower real interest rate. Because the MERHCF must be invested in obligations of the U.S. Government, a highly secure investment, the real interest rates are expected to be relatively low. The MERHCF Board examines past real interest rates that would have been earned by the types of public debt securities in which the military retirement funds are invested. The MERHCF Board members recognize the importance of selecting a real interest rate that would prevail on the average over a long period of time and that would not unduly weight recent experience or expected results during the near-term.

Table D2 shows average real yield rates on new purchases. Because the MERHCF was established in 2002, OACT compiled a Composite Series to simulate what new purchases would have yielded in the past. Particular emphasis is given to the rates since 1950.

Table D3 shows the average real MERHCF effective yield. The effective yield calculation uses a "dollar-weighted yield." "Dollar-weighted yields" are computed by taking the investment income over the average amount of principal invested throughout the year. Since the MERHCF's inception, the average annual real yield is 0.86%; its average annual nominal yield since inception is 3.52%, computed by multiplying the average annual real yield by the average annual inflation rate:

- 1.009 (table D3), the average real MERHCF effective yield from 2002 to2011
- 1.026 (table D1), the average annual CPI increase from 2002 to 2011
- 1.009 x 1.026 -1 = 0.0352

The rate of real interest chosen by the MERHCF Board is 2.75 percent, unchanged from the prior year. Since 3.00 percent had been adopted as the inflation rate, the nominal rate of interest is 5.75 percent. This rate reflects the expected long term rate of return on the MERHCF's assets.

It is relevant to note the real interest rate being assumed by two other major public benefit systems. The Trustees of the Center for Medicare and Medicaid Services and the Trustees of the Social Security Administration both used an intermediate ultimate real interest rate assumption of 2.90 percent in their 2012 Trustees' reports.

The comparisons to Medicare and Social Security are not meant to imply an expectation that all three systems should use the same assumptions.

Medical Trend Rates

Medical trend rates are used in the actuarial valuation to project the starting average plan costs to each future year's cost level. During a 25 year select period, there are separate trend rate assumptions for Inpatient costs (IP), Outpatient costs (OP), pharmacy costs (Rx), and USFHP costs. In addition, these trend rates are determined separately for Purchased Care (PC) and Direct Care (DC) costs. All costs grow at the same ultimate trend rate, since over the long term, all plan costs are assumed to experience the same growth in prices and utilization of services.

In August, 2012, the MERHCF Board approved the use of the medical trend rates contained in Table D4 for the MERHCF actuarial valuation as of September 30, 2011. Consistent across all benefit trends (inpatient, outpatient, Rx, and USFHP), the MERHCF Board maintained its original position that there be a 25-year select period. In addition, the MERHCF Board decided to keep the ultimate medical trend rate at 5.75%, unchanged from last year's assumption.

Inpatient Medical Trend

Following the MERHCF Board's recommendation, OACT based preliminary inpatient medical trend for Purchased Care (PC) benefits on the trend assumptions implied in the projections of Medicare Part A deductibles and copayments, produced by the Centers for Medicaid and Medicare Services Office of the Actuary (CMS OACT). In particular, the CMS OACT provided:

- Table V.C1 ─ HI Cost Sharing and Premium Amounts, from its 2012 Medicare Trustees Report, and
- Projected Medicare Part A utilization and enrollment

From this data, which included projections through 2021, OACT developed inpatient medical trend on a fiscal year basis through 2021. For the remainder of the 25-year select period, the inpatient trend rates grade linearly to the ultimate assumption of 5.75%. Adjustments were made to obtain the final IP trend rates for PC and DC costs:

- PC IP trends for years 2011 – 2021 were increased 0.25% during the first ten years to reflect the higher expected growth in the TRICARE IP utilization component of trend compared to the lower expected growth in the Medicare Part A utilization component of trend due to the impending influx of baby boomers into Medicare. Military member strength did not increase commensurate with general population increases caused by the "baby boom" generation. CMS OACT assumed that the reduction in the average age of Medicare-eligible retirees resulting from baby boomers aging into Medicare would result in a reduction in the utilization component of the CMS trend rates (utililization of services increases with age).
- IP cost levels through 2021 were adjusted to phase out the productivity improvement factors from enacting the Patient Protection and Affordable Care Act (PPACA) that were assumed in the Medicare Trustees' report.
- DC IP trends for years 2011 – 2021 were set two percent lower per year from the PC IP trends to reflect the recent low and negative trend experienced in the MTFs.

Outpatient Medical Trend

Following the MERHCF Board's recommendation, OACT based preliminary outpatient medical trend for Purchased Care (PC) on the trend assumptions implied in the projections of Medicare Part B out-of-pocket costs for Part B enrollees, produced by CMS OACT. In particular, CMS OACT provided:

- Table IV.B1 ─ Components of increases in Total Allowed Charges per Fee-for-Service Enrollee for Carrier Services, from its 2012 Medicare Trustees Report,
- Table IV.B2 ─ Incurred Reimbursement Amounts per Fee-for-Service Enrollee for Carrier Services, from its 2012 Medicare Trustees Report, and
- Table IV.B4 ─ Incurred Reimbursement Amounts per Fee-for-Service Enrollee for Intermediary Services, from its 2012 Medicare Trustees Report
- Projected per capita Medicare Part B deductible and coinsurance payments for fee-for-service enrollees

From this data, which included projections through 2021, OACT developed outpatient medical trend on a fiscal year basis through 2021. For the remainder of the 25-year select period, the outpatient trend rates grade linearly to the ultimate assumption of 5.75%. Similar to the IP trend development, adjustments were made to obtain the final OP trend rates for PC and DC costs:

- PC OP reimbursement amounts for years 2011 – 2021 were adjusted to add back the physician fee savings assumed in the CMS projection with respect to the Sustainable Growth Rate System.
- PC OP trends for years 2011 – 2021 were increased 0.25% during the first ten years to reflect the higher expected growth in the TRICARE OP utilization component of trend compared to the lower expected growth in the Medicare Part B utilization component of trend due to the impending influx of baby boomers into Medicare. Military member strength did not increase commensurate with general population increases caused by the "baby boom" generation.. CMS OACT assumed that the reduction in the average age of Medicare-eligible retirees resulting from baby boomers aging into Medicare would result in a reduction in the utilization component of the CMS trend rates (utililization of services increases with age).
- OP cost levels through 2021 were adjusted to phase out the productivity improvement factors from enacting the Patient Protection and Affordable Care Act (PPACA) that were assumed in the Medicare Trustees' report
- DC OP trends for years 2011 – 2021 were set one percent lower per year from the PC OP trends to reflect the recent low and negative trend experienced in the MTFs.

Prescription Drug Trend

After reviewing OACT's analyses, the MERHCF Board approved a set of prescription drug trends for the September 30, 2011, MERHCF actuarial valuation, as shown in Table D4.

OACT analyzed three years of PC and DC prescription drug data, from FY 2009 through FY 2011. The study focused on per capita trends in drug cost and utilization. Also noted was the impact on recent Rx trends resulting from increases in generic dispense rates, popular brand drugs coming off patent, efforts to convert retail scripts to mail order, and the effect on net plan cost of Medicare Part D enrollment. In addition to claims experience, OACT reflected the expected near-term and long-term impact of federal drug pricing formulas on retail drug trend, as stipulated in the 2008 National Defense Authorization Act. OACT developed initial, aggregate drug trend rates based on recent and anticipated near-term experience. Consistent with the MERHCF Board's recommendations for long-term trend, the aggregate rate was graded linearly to an ultimate 5.75%.

The aggregate trend rates were then split into DC and PC rates, first by setting the DC trend rates, and then solving for the PC rates based on cost proportions. After observing negative DC drug trend the past several years, the MERHCF Board approved DC Rx trend rates of 0% in the first two years, then 1% in the next two years, grading linearly to 5.75% over the next 21 years. Drug prices are expected to rise more slowly than previously forecast now that retail pharmacy prescriptions under TRICARE are subject to federal drug price formulas that limit the annual rate of increase in individual drug prices to inflation rates (federal pricing has applied to prescriptons dispensed through mail order and at MTFs already). However, it is expected that drug prices will rise somewhat higher than inflation over the long term due to provisions in the federal drug pricing system that allow price renegotiations every five years. The trend assumptions adopted by the MERHCF Board incorporate assumed inflation in drug prices, utilization increases (in PC), the introduction of new brand drugs (specialty and nonspecialty), and the expiration of patent protections.

USFHP Trend

OACT received the full set of USFHP capitation rates[1] by age, gender and designated provider plan (or location) for the contract periods contained in October 2009 to September 2012. The MERHCF Board agreed that the ultimate trend rate applied to each of the fee-for-service benefits should also apply to USFHP capitation rates. For the initial trend rate, the MERHCF Board agreed that the rate should be a weighted average of PC and DC trends, using the TFL cost components of DC pharmacy and PC pharmacy, PC inpatient and PC outpatient as weights. This weighting was used during each of the 25 years in the select period to produce the USFHP trend rates. The MERHCF Board approved a set of USFHP medical trend rates as shown in Table D4.

[1] The USFHP statute calls for an annual determination of the capitation rates, involving a negotiation and mutual agreement between the Secretary of Defense and the designated providers. The statute provides a number of parameters for determining the rates, including: (1) consideration of "competitive market rates" applied to the utilization experience of USFHP enrollees, (2) a "ceiling rate" limitation under which capitation payments to designated providers shall not exceed "the cost that would have been incurred by the Government if the enrollees had received such health care services through a military treatment facility, the TRICARE program, or the Medicare program, as the case may be," (3) taking into account "health status" in establishing the ceiling rate, (4) a requirement that the rates are subject to periodic review for actuarial soundness and to adjustment for any anticipated adverse or favorable selection, and (5) an allowance for an alternative basis for calculating capitation payments if mutually agreed to by the Secretary of Defense and the designated provider.

TABLE D1

AVERAGE CONSUMER PRICE INDEX (CPI-W) INCREASES

FROM END OF:	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
TO END OF:																									
1935	-3.04																								
1940	-1.34	0.38																							
1945	0.81	2.79	5.25																						
1950	2.22	4.03	5.91	6.57																					
1955	2.06	3.37	4.39	3.96	1.43																				
1960	2.07	3.12	3.82	3.35	1.77	2.12																			
1965	1.96	2.82	3.32	2.84	1.63	1.73	1.33																		
1970	2.28	3.07	3.52	3.18	2.35	2.65	2.92	4.54																	
1975	2.79	3.54	4.00	3.79	3.24	3.70	4.23	5.71	6.90																
1980	3.41	4.16	4.64	4.55	4.22	4.79	5.46	6.88	8.07	9.24															
1985	3.45	4.12	4.55	4.46	4.16	4.62	5.13	6.10	6.63	6.50	3.82														
1990	3.49	4.10	4.48	4.40	4.13	4.52	4.93	5.66	5.95	5.63	3.87	3.91													
1995	3.45	4.01	4.34	4.25	4.00	4.32	4.64	5.20	5.34	4.95	3.56	3.42	2.94												
2000	3.37	3.88	4.18	4.08	3.84	4.11	4.36	4.80	4.85	4.44	3.28	3.09	2.69	2.44											
2001	3.36	3.86	4.16	4.06	3.82	4.08	4.32	4.74	4.77	4.37	3.24	3.06	2.68	2.46	2.60										
2002	3.34	3.83	4.11	4.01	3.77	4.02	4.25	4.65	4.67	4.26	3.16	2.96	2.57	2.31	2.00	1.40									
2003	3.32	3.80	4.08	3.98	3.74	3.98	4.20	4.58	4.59	4.18	3.11	2.92	2.54	2.29	2.03	1.75	2.10								
2004	3.31	3.79	4.06	3.96	3.72	3.95	4.16	4.53	4.53	4.13	3.10	2.90	2.55	2.33	2.20	2.07	2.40	2.70							
2005	3.32	3.79	4.06	3.96	3.72	3.96	4.16	4.52	4.52	4.13	3.14	2.96	2.65	2.51	2.58	2.57	2.96	3.40	4.10						
2006	3.32	3.78	4.05	3.95	3.72	3.94	4.14	4.49	4.49	4.10	3.14	2.98	2.69	2.58	2.70	2.72	3.05	3.37	3.70	3.30					
2007	3.31	3.76	4.02	3.92	3.69	3.91	4.10	4.44	4.43	4.04	3.11	2.95	2.67	2.56	2.64	2.65	2.90	3.10	3.23	2.80	2.30				
2008	3.34	3.79	4.05	3.95	3.73	3.95	4.14	4.47	4.46	4.10	3.20	3.07	2.84	2.80	3.03	3.09	3.38	3.63	3.87	3.79	4.04	5.80			
2009	3.30	3.74	3.99	3.89	3.66	3.87	4.05	4.37	4.35	3.97	3.09	2.94	2.69	2.60	2.69	2.70	2.89	3.02	3.08	2.83	2.67	2.86	0.00		
2010	3.25	3.69	3.93	3.83	3.60	3.80	3.97	4.27	4.23	3.86	2.99	2.82	2.55	2.42	2.42	2.40	2.52	2.58	2.56	2.26	2.00	1.90	0.00	0.00	
2011	3.26	3.69	3.92	3.82	3.60	3.80	3.96	4.25	4.22	3.85	3.01	2.85	2.60	2.50	2.52	2.52	2.64	2.71	2.71	2.48	2.32	2.32	1.19	1.78	3.60

All figures are average annual percentage increases.
Source of CPI-W indices: Bureau of Labor Statistics.
Series: - December to December increases from 1930 to 1984;
- 3rd quarter to 3rd quarter increases since 1985.

TABLE D2

AVERAGE REAL YIELD RATES ON NEW PURCHASES *

FROM DECEMBER 31:	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
TO DECEMBER 31:																									
1935	6.51																								
1940	4.31	2.17																							
1945	1.72	-0.59	-3.28																						
1950	0.15	-1.88	-3.85	-4.41																					
1955	0.32	-1.17	-2.25	-1.73	1.02																				
1960	0.52	-0.64	-1.33	-0.67	1.25	1.48																			
1965	0.82	-0.10	-0.55	0.15	1.71	2.06	2.64																		
1970	0.88	0.10	-0.24	0.38	1.62	1.82	1.99	1.34																	
1975	0.77	0.08	-0.22	0.30	1.27	1.34	1.29	0.62	-0.10																
1980	0.64	0.01	-0.25	0.19	0.97	0.96	0.83	0.24	-0.30	-0.51															
1985	1.32	0.81	0.66	1.17	1.99	2.15	2.29	2.20	2.49	3.81	8.31														
1990	1.62	1.19	1.09	1.59	2.37	2.56	2.74	2.77	3.13	4.22	6.67	5.06													
1995	1.72	1.33	1.26	1.73	2.43	2.61	2.77	2.79	3.09	3.90	5.41	3.99	2.93												
2000	1.84	1.49	1.43	1.87	2.52	2.69	2.84	2.87	3.12	3.78	4.88	3.76	3.12	3.31											
2001	1.82	1.47	1.41	1.84	2.48	2.64	2.78	2.80	3.04	3.65	4.67	3.56	2.88	2.85	0.55										
2002	1.79	1.45	1.39	1.81	2.43	2.58	2.72	2.73	2.94	3.52	4.46	3.35	2.64	2.44	0.30	0.05									
2003	1.78	1.44	1.39	1.80	2.41	2.55	2.68	2.68	2.89	3.43	4.30	3.22	2.52	2.26	0.53	0.52	0.99								
2004	1.78	1.44	1.38	1.79	2.38	2.52	2.64	2.64	2.84	3.35	4.17	3.11	2.43	2.15	0.71	0.76	1.12	1.25							
2005	1.78	1.45	1.39	1.79	2.37	2.51	2.63	2.62	2.81	3.30	4.08	3.05	2.39	2.12	0.94	1.04	1.37	1.57	1.88						
2006	1.78	1.46	1.40	1.80	2.37	2.50	2.62	2.61	2.79	3.27	4.01	3.01	2.38	2.13	1.15	1.27	1.57	1.77	2.03	2.18					
2007	1.79	1.47	1.42	1.80	2.37	2.50	2.61	2.60	2.78	3.23	3.94	2.97	2.37	2.13	1.30	1.42	1.70	1.88	2.09	2.19	2.20				
2008	1.79	1.47	1.42	1.81	2.36	2.49	2.59	2.59	2.75	3.19	3.87	2.92	2.34	2.11	1.37	1.49	1.73	1.88	2.04	2.09	2.04	1.89			
2009	1.79	1.48	1.43	1.81	2.36	2.48	2.58	2.57	2.73	3.16	3.80	2.89	2.32	2.11	1.45	1.56	1.78	1.91	2.04	2.08	2.05	1.98	2.07		
2010	1.79	1.48	1.43	1.80	2.34	2.46	2.56	2.55	2.70	3.10	3.72	2.82	2.27	2.05	1.43	1.53	1.71	1.82	1.91	1.92	1.86	1.74	1.67	1.27	
2011	1.76	1.45	1.40	1.76	2.29	2.40	2.49	2.47	2.61	3.00	3.57	2.69	2.13	1.88	1.24	1.31	1.45	1.51	1.54	1.49	1.35	1.14	0.89	0.30	-0.65

All figures are average annual percentages.

Source: Office of the Actuary, Office of Personnel Management; Office of the Actuary, Department of Defense

* Real yields for non-TIPS securities are computed as the nominal yield at purchase offset by inflation in the year of purchase.
For TIPS securities, the real yield is known and constant throughout the life of the security.

Series: - Treasury long-term securities with remaining maturities of 10 or more years from 1931 to 1941;
- Average of Treasury long-term and Treasury securities with 3 - 5 years remaining maturity from 1941 to 1961;
- Special Treasury certificates (CSRS) from 1962 to 1984;
- Military Retirement System Trust Fund new investments from 1985 to 2001;
- Medicare-Eligible Retiree Health Care Trust Fund new investments beginning with 2002.

TABLE D3

AVERAGE REAL MEDICARE-ELIGIBLE RETIREE HEALTH CARE FUND EFFECTIVE YIELD *

FROM END OF FISCAL YEAR:	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
TO END OF FISCAL YEAR:																											
1985	N/A																										
1986	N/A	N/A																									
1987	N/A	N/A	N/A																								
1988	N/A	N/A	N/A	N/A																							
1989	N/A	N/A	N/A	N/A	N/A																						
1990	N/A	N/A	N/A	N/A	N/A	N/A																					
1991	N/A	N/A	N/A	N/A	N/A	N/A	N/A																				
1992	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A																			
1993	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A																		
1994	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A																	
1995	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A																
1996	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A															
1997	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A														
1998	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A													
1999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A												
2000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A											
2001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A										
2002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A									
2003	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.84								
2004	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.45	-0.06							
2005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.37	-0.13	-0.21						
2006	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.08	0.39	0.61	1.44					
2007	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.40	0.71	0.97	1.57	1.69				
2008	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.42	0.67	0.86	1.21	1.10	0.51			
2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.47	0.69	0.84	1.10	0.99	0.64	0.77		
2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.81	1.05	1.23	1.52	1.54	1.49	1.99	3.22	
2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.86	1.07	1.23	1.48	1.48	1.43	1.74	2.23	1.25

All figures are average annual percentages.
Source: Office of the Actuary, Department of Defense
* The effective yield calculation uses a "dollar-weighted " yield, which is based on investment income over the average amount of principal invested throughout the year.

TABLE D4

MERHCF MEDICAL TREND RATES FOR THE SEPTEMBER 30, 2011VALUATION

		DC			PC			
From FY:	To FY:	IP	OP	Rx	IP	OP	Rx	USFHP
2011	2012	1.60%	2.26%	0.00%	3.60%	3.26%	4.44%	3.83%
2012	2013	1.67%	2.42%	0.00%	3.67%	3.42%	4.42%	3.87%
2013	2014	1.54%	4.05%	1.00%	3.54%	5.05%	4.24%	4.59%
2014	2015	1.58%	4.44%	1.00%	3.58%	5.44%	4.22%	4.80%
2015	2016	1.61%	4.72%	1.22%	3.61%	5.72%	4.28%	4.97%
2016	2017	1.45%	5.69%	1.43%	3.45%	6.69%	4.34%	5.42%
2017	2018	1.58%	6.25%	1.65%	3.58%	7.25%	4.40%	5.78%
2018	2019	1.70%	6.44%	1.86%	3.70%	7.44%	4.46%	5.96%
2019	2020	2.61%	6.63%	2.08%	4.61%	7.63%	4.53%	6.42%
2020	2021	3.00%	6.68%	2.30%	5.00%	7.68%	4.59%	6.68%
2021	2022	3.17%	6.62%	2.51%	5.04%	7.56%	4.66%	6.29%
2022	2023	3.34%	6.56%	2.73%	5.09%	7.43%	4.73%	6.27%
2023	2024	3.51%	6.50%	2.94%	5.14%	7.31%	4.80%	6.25%
2024	2025	3.69%	6.44%	3.16%	5.19%	7.19%	4.87%	6.22%
2025	2026	3.86%	6.39%	3.38%	5.23%	7.07%	4.94%	6.19%
2026	2027	4.03%	6.33%	3.59%	5.28%	6.95%	5.01%	6.16%
2027	2028	4.20%	6.27%	3.81%	5.33%	6.83%	5.08%	6.12%
2028	2029	4.37%	6.21%	4.02%	5.37%	6.71%	5.15%	6.09%
2029	2030	4.55%	6.15%	4.24%	5.42%	6.59%	5.23%	6.05%
2030	2031	4.72%	6.10%	4.45%	5.47%	6.47%	5.30%	6.01%
2031	2032	4.89%	6.04%	4.67%	5.51%	6.35%	5.38%	5.97%
2032	2033	5.06%	5.98%	4.89%	5.56%	6.23%	5.45%	5.92%
2033	2034	5.23%	5.92%	5.10%	5.61%	6.11%	5.52%	5.88%
2034	2035	5.41%	5.87%	5.32%	5.66%	5.99%	5.60%	5.84%
2035	2036	5.58%	5.81%	5.53%	5.70%	5.87%	5.67%	5.79%
Ultimate		5.75%	5.75%	5.75%	5.75%	5.75%	5.75%	5.75%

APPENDIX E

AVERAGE BENEFIT COSTS

Page

Development of Expected Average Benefit Costs E-2

Table E1: Purchased Care Incurred Claims E-3

Table E2: Direct Care Costs E-7

Table E3: Claim Vectors E-8

DEVELOPMENT OF EXPECTED AVERAGE BENEFIT COSTS

The average expected claim costs in this model are stored in claim vectors (CVs) and represent average family costs per retired sponsor (or survivor), by sponsor age (or survivor age), where the retiree is the sponsor for the retiree CVs and the surviving spouse is the sponsor for the survivor CVs. A CV is computed as the ratio of the total cost to the government (DoD) to the total number of retired (or survivor) sponsors of the specified age, regardless of which plan they use. Separate CVs are developed for:

(i) average family costs derived from claims incurred while the patient was Medicare-eligible (Medicare-eligible CVs), and from
(ii) average family costs derived from claims incurred while the patient was not Medicare-eligible (non-Medicare- eligible CVs).

Since the MERHCF valuation projects the liability associated with claims incurred by Medicare-eligible beneficiaries, only the CVs in (i) are used for this valuation.

As an example, the Medicare-eligible sponsor (or survivor) CVs contain a value for age 80 that represents the plan's average annual claims cost for claims incurred by Medicare-eligible beneficiaries associated with an 80 year old retired (or survivor) sponsor:

(Annual costs for all Medicare-eligible, retiree-related beneficiaries associated with 80-year old sponsors (or survivors)) ÷ (total number of 80-year old retired (or survivor) sponsors, both Medicare and non-Medicare-eligible)

The Medicare-eligible CVs include average costs by each retired (or survivor) sponsor age from 18 to 118.

The MERHCF valuation uses 70 claim vectors, derived from seven benefit categories and 10 population subcategories. The seven benefit categories are:

- Direct care inpatient (DC IP)
- Direct care outpatient (DC OP)
- Direct care prescription drugs (DC Rx)
- Purchased care inpatient (PC IP)
- Purchased care outpatient (PC OP)
- Purchased care prescription drugs (PC Rx)
- Purchased care USFHP

Direct care (DC) refers to care obtained at a military treatment facility (MTF), and purchased care (PC) refers to care obtained outside the MTFs. USFHP refers to the managed care program run by US Family Health Plans. While USFHP is considered purchased care, the USFHP CV development is described in its own section (below) because USFHP CVs are based on global rates and not experience claims.

The 10 population subcategories correspond to the 10 population subcategories identified in the "Valuation Data and Procedure" section of this report.

CV values represent starting costs in the valuation year. These CVs are multiplied by cumulative trend rates in each projection year of the model.

Purchased Care Starting Costs

Purchased care benefit CVs were developed on a "claims-only" basis. Initial, "input" CVs were used to compute preliminary PVFB amounts, and then loads were applied to calibrate costs to aggregate incurred claim levels and to account for administrative costs. An additional small (downward) adjustment was made to reflect near-term enrollment growth into the USFHP plans.

Purchased care CVs for the September 30, 2011, valuation were developed by blending detail data from 2009 – 2011 fiscal years. Before blending, the claims in each age cell for 2009 and 2011 were brought to 2010 claim cost levels by multiplying each element by the following ratio:

Adjustment to 2009 claim cells before blending:

$$\frac{2010\ weighted\ average\ cost\ per\ 2010\ sponsor\ and\ family}{2009\ weighted\ average\ cost\ per\ 2009\ sponsor\ and\ family}$$

Adjustment to 2011 claim cells before blending:

$$\frac{2010\ weighted\ average\ cost\ per\ 2010\ sponsor\ and\ family}{2011\ weighted\ average\ cost\ per\ 2011\ sponsor\ and\ family}$$

The adjustments shown above use "sponsor and family" CVs as an illustration. The same adjustments apply to all CVs, including the survivor CVs.

The September 30, 2011, input CVs were smoothed (with a combination of formulaic and manual methods).

The IP, OP and Rx CVs were adjusted to reflect aggregate 2011 incurred purchased care claims levels for IP, OP and Rx benefits, respectively. Estimates of 2011 incurred PC claims were produced from aggregate claims paid through March 2012. 2011 incurred PC claims (completed) are shown in Table E1.

TABLE E1

FY 2011 MERHCF PURCHASED CARE INCURRED CLAIMS

($ millions)

Inpatient Hospital	$767
Outpatient	$2,107
Pharmacy	$4,030
Total	$6,904

Incurred pharmacy claims in Table E1 have not been adjusted to reflect voluntary rebates on retail brand prescriptions incurred during FY 2011.

A small adjustment was made to the PC aggregate incurred claims values to reflect near-term expected growth in USFHP enrollment. Based on recent experience, and recognizing a plan change effective at the end of FY 2012, OACT assumed USFHP enrollment growth would continue to exceed general MERHCF population growth through FY 2012. Extrapolating current USFHP enrollment experience, an assumption was made about USFHP enrollment growth during the first projection year of the valuation model (FY 2012), which resulted in the application of the following factor to each of the PC (and DC) incurred claims values:

$$\frac{(1 - USFHP\ enrollment\ \%\ in\ one\ year)}{(1 - USFHP\ enrollment\ \%\ in\ current\ year)} = 0.9997$$

Additional adjustments to PC costs are made to account for administrative costs, ultimate plan participation, and retail pharmacy rebates.

Administrative Costs

PC costs associated with plan administration, including claims processing, were added to the average claims costs in the form of a CV load. For the September 30, 2011, valuation, the MERHCF Board approved purchased care claim loads for administrative costs of 4.00% (IP and OP) and 3.10% (Rx). These loads are based on amounts paid for claims administration that were not already reflected in the claims data.

Adjustment for Ultimate Plan Participation

As described in Appendix F (Participation Rates), the PC CVs are adjusted to reflect the ultimate level of plan participation. Therefore, it is necessary to make an adjustment to the purchased care cash flow in years prior to 2021 (when ultimate participation is assumed to be reached). For each year prior to 2021, the purchased care cash flow generated by the valuation model is adjusted to back out the difference between full participation levels and the assumed level of plan participation in each year.

Adjustment for Retail Brand Drug Rebates

Expected retail pharmacy rebates were subtracted from each future year's projected cash flow. The National Defense Authorization Act for Fiscal Year 2008 included a law requiring that prescriptions dispensed under TRICARE's retail pharmacy program be subject to federal ceiling prices. The final ruling on this law was effective May 26, 2009. In addition, prior voluntary drug rebate arrangements, implemented in FY 2007, are also in effect. More information regarding the details and status of these DoD retail drug rebate programs is available in the Management's Discussion and Analysis of the DoD Medicare-Eligible Retiree Health Care Fund year-end Financial Statement.

As with most drug rebate programs, the reduced drug price comes in the form of rebates or refunds (i.e., not in the claims), so an explicit assumption is applied to the PC pharmacy CVs to reflect this discount. An estimate of annual incurred pharmacy rebates under both the voluntary

and mandatory rebate arrangements was determined by analyzing rebate data supplied by the TMA Pharmacy Operations Directorate. Accounting reports of expected rebates and rebate payments received in each incurred fiscal quarter were studied to estimate future actual to expected collection ratios. These estimates were converted to an effective PC pharmacy refund rate in the first valuation year. This refund rate represents the expected discounts on retail brand prescriptions as a percentage of total PC Rx net plan payments (retail plus mail order Rx). For the September 30, 2011, MERHCF valuation, that effective rate was approximately 21%. This rate was adjusted over the next 20 years to incorporate assumed future trends in drug dispensing venues (mail order vs. retail vs. MTF), changes in generic dispense rates, patent expirations, and new basic and specialty drugs. The effective pharmacy rebate factor in year 20 of the valuation was approximately 16%. Since the refund rate is applied to the CVs that have been loaded for administration costs, the effective drug refund rate must be divided by one plus the drug admin load in order to preserve the expected level of administration costs on pharmacy claims.

U.S. Family Health Plan (USFHP) Starting Costs

Approximately 1.9% of the MERHCF-eligible population enrolls in a USFHP plan. USFHP is a managed care plan, offered in six US locations, that is funded on a fully capitated or global rate basis. Average costs for USFHP enrollees are higher than costs for other enrollees primarily because USFHP is primary payer (enrollees' costs are not offset first by Medicare, and perhaps other health insurance, as is the case with TRICARE For Life).

OACT produced USFHP CVs[1] based on the average family global rate per retired sponsor or survivor who is Medicare-eligible and enrolled in USFHP. Actual monthly premiums for each of the six USFHP locations were weighted by monthly USFHP enrollment of retired members eligible for Medicare to compute average global rates by age and gender. The smoothing techniques that were used to develop the purchased care CVs were also used to develop the USFHP CVs. Since the USFHP global rates are all inclusive (all benefits), only 10 CVs were produced ─ one for each population subcategory.

The USFHP CVs were adjusted to calibrate the initial MERHCF valuation year's cash flow to aggregate incurred global rate payments ($721 million for FY 2011). Estimates of FY 2011 incurred USFHP payments were obtained from the Military Health System Data Mart (M2), and verified against TMA's Contract Resource Management (CRM) MERHCF Trust Fund Reports.

The valuation model includes adjustments in each projection year to account for future changes in USFHP enrollment patterns for Medicare-eligible members. This change in enrollment, a slow decrease in the percent of Medicare-eligible members who are enrolled in USFHP, will result over the next several years as the proportion of USFHP retired members who are grandfathered (ie, may stay in the plan after turning age 65) decreases. This adjustment affects the current retiree populations only. USFHP eligibility for future retirees will remain unchanged for pre-65 coverage, and will terminate upon attainment of age 65.

No plan participation adjustment is made to the CVs. This is discussed further in the "Plan Participation Rates" appendix.

[1] In the case of USFHP, CV refers to the age-based vector of capitation rates. "Capitation rate" and "global rate" are used interchangeably.

Administrative Costs

Most of the administration costs for this program are incorporated in the USFHP capitation rates. There is a small, additional administrative cost associated with enrollment administration and billing consolidation. For the September 30, 2011, valuation, the MERHCF Board approved an administration cost load of 0.40% for the USFHP CVs.

Finally, FY 2011 incurred USFHP payments are multiplied by 1.0146 to adjust for the expected growth in USFHP enrollment during the first projection year of the valuation model (FY 2012). This adjustment, determined by projecting recent USFHP enrollment growth among Medicare eligible members, is consistent with the adjustments that are made to the aggregate incurred PC and DC claims.

Direct Care Starting Costs

Direct care benefit CVs were developed from workload units rather than claim costs (workload for prescription drugs is measured by ingredient cost). These initial "input" CVs were used to compute preliminary first year outlays in terms of workloads. The ratio of 2011 aggregate incurred claims levels to the preliminary first year outlays (based on workloads in the input CVs) was used to convert workload-based CVs to cost-based CVs. Unlike PC CVs, the DC CVs have no loads applied for administration costs, since the DC calibrated values already include the applicable overhead costs.

Direct care CVs for the September 30, 2011, valuation were developed by blending detail data from 2009 – 2011 fiscal years. Before blending, the workloads in each age cell for 2009 and 2011 were brought to 2010 workload levels by multiplying each element by the following ratio:

Adjustment to 2009 workload cells before blending:

$$\frac{2010\ weighted\ average\ workload\ per\ 2010\ sponsor\ and\ family}{2009\ weighted\ average\ workload\ per\ 2009\ sponsor\ and\ family}$$

Adjustment to 2011 workload cells before blending:

$$\frac{2010\ weighted\ average\ workload\ per\ 2010\ sponsor\ and\ family}{2011\ weighted\ average\ workload\ per\ 2011\ sponsor\ and\ family}$$

The adjustments shown above use "sponsor and family" CVs as an illustration. The same adjustments apply to all CVs, including the survivor CVs.

The September 30, 2011, input CVs were smoothed (with a combination of formulaic and manual methods).

The IP, OP and Rx CVs were adjusted to reflect aggregate 2011 incurred direct care claims levels for IP, OP and Rx benefits, respectively. Estimates of 2011 incurred DC claims were provided by TMA in their annual "level of effort" (LOE) analysis of Military Treatment

Facilities. The LOE values are shown in Table E2. For more information about DC data, please refer to the VALUATION DATA AND PROCEDURE, Claims Data section of this valuation report.

TABLE E2

FY 2011 MERHCF DIRECT CARE COSTS

($ millions)

Inpatient Hospital	$503
Outpatient	$539
Pharmacy	$683
Total	$1,726

As mentioned above, in recognition of a plan change effective at the end of FY 2012, OACT assumed USFHP enrollment growth would continue to exceed general MERHCF population growth through FY 2012. Extrapolating current USFHP enrollment experience, an assumption was made about USFHP enrollment growth during the first projection year of the valuation model (FY 2012), which resulted in the application of the following factor to each of the DC (and PC) incurred claims values:

$$\frac{(1 - USFHP\ enrollment\ \%\ in\ one\ year)}{(1 - USFHP\ enrollment\ \%\ in\ current\ year)} = 0.9997$$

Adjustment for Ultimate Plan Participation

As described in Appendix F (Participation Rates), the DC CVs are adjusted to reflect the ultimate level of plan participation. Therefore, it is necessary to back out this adjustment in years prior to 2021 (when ultimate participation is assumed to be reached).

For each year prior to 2021, the DC cash flow generated by the valuation model is adjusted to back out the difference between full participation levels and the assumed level of plan participation in each year.

Table E3 contains the 70 PC and DC CVs, in abbreviated form (quinquennial ages). All values are in dollars.

TABLE E3
FY 2011 MERHCF CLAIM VECTORS

	Direct Care									
Age	Inpatient Retiree Active Duty Nondisabled Enlisted	Inpatient Retiree Active Duty Nondisabled Officer	Inpatient Retiree Active Duty Disabled Enlisted	Inpatient Retiree Active Duty Disabled Officer	Inpatient Retiree Reserve Nondisabled Enlisted	Inpatient Retiree Reserve Nondisabled Officer	Inpatient Survivor Active Duty Enlisted	Inpatient Survivor Active Duty Officer	Inpatient Survivor Reserve Enlisted	Inpatient Survivor Reserve Officer
20	$11.02	$5.24	$79.40	$68.59	$6.79	$1.61	$7.62	$10.15	$4.49	$0.00
25	$11.02	$5.24	$79.40	$68.59	$6.79	$1.61	$7.62	$10.15	$4.49	$0.00
30	$11.02	$5.24	$65.61	$68.59	$6.79	$1.61	$7.62	$10.15	$4.49	$0.00
35	$11.02	$5.24	$52.89	$68.59	$6.79	$1.61	$7.62	$10.15	$4.49	$0.00
40	$11.02	$5.24	$50.70	$68.59	$6.79	$1.61	$7.62	$10.15	$4.49	$0.00
45	$12.51	$5.24	$65.45	$88.77	$6.79	$1.61	$7.62	$10.15	$4.49	$0.00
50	$18.45	$10.15	$95.30	$103.82	$6.79	$1.61	$20.90	$10.15	$4.49	$2.43
55	$34.12	$16.35	$124.85	$123.14	$6.79	$1.61	$32.10	$10.15	$7.13	$3.91
60	$68.21	$25.26	$119.45	$147.39	$6.79	$1.61	$47.49	$19.14	$8.48	$6.05
65	$168.28	$85.82	$131.42	$189.06	$20.84	$9.10	$68.08	$24.33	$9.95	$9.03
70	$416.87	$305.11	$348.58	$378.51	$61.03	$55.80	$175.72	$125.25	$16.00	$20.40
75	$503.00	$392.26	$383.36	$601.41	$85.94	$68.10	$205.64	$148.32	$23.12	$25.09
80	$580.46	$481.50	$446.65	$670.44	$112.03	$83.82	$232.92	$169.17	$29.99	$30.45
85	$641.02	$567.54	$562.41	$623.75	$136.40	$103.70	$248.25	$185.14	$36.66	$36.52
90	$674.95	$643.94	$836.41	$575.89	$154.97	$143.20	$243.97	$192.87	$45.42	$47.37
95	$632.72	$720.44	$836.41	$575.89	$151.31	$143.20	$187.39	$188.23	$45.42	$47.37
100	$632.72	$720.44	$836.41	$575.89	$151.31	$143.20	$187.39	$156.25	$45.42	$47.37
105	$632.72	$720.44	$836.41	$575.89	$151.31	$143.20	$187.39	$156.25	$45.42	$47.37
110	$632.72	$720.44	$836.41	$575.89	$151.31	$143.20	$187.39	$156.25	$45.42	$47.37
115	$632.72	$720.44	$836.41	$575.89	$151.31	$143.20	$187.39	$156.25	$45.42	$47.37

TABLE E3 (CONT'D)
FY 2011 MERHCF CLAIM VECTORS

	Direct Care									
Age	Outpatient Retiree Active Duty Nondisabled Enlisted	Outpatient Retiree Active Duty Nondisabled Officer	Outpatient Retiree Active Duty Disabled Enlisted	Outpatient Retiree Active Duty Disabled Officer	Outpatient Retiree Reserve Nondisabled Enlisted	Outpatient Retiree Reserve Nondisabled Officer	Outpatient Survivor Active Duty Enlisted	Outpatient Survivor Active Duty Officer	Outpatient Survivor Reserve Enlisted	Outpatient Survivor Reserve Officer
20	$11.32	$3.96	$84.73	$128.54	$2.68	$3.86	$4.20	$11.41	$1.93	$5.59
25	$11.32	$3.96	$84.73	$128.54	$2.68	$3.86	$4.20	$11.41	$1.93	$5.59
30	$11.32	$3.96	$107.81	$128.54	$2.68	$3.86	$4.20	$11.41	$1.93	$5.59
35	$11.32	$3.96	$103.32	$128.54	$2.68	$3.86	$4.20	$11.41	$1.93	$5.59
40	$11.32	$3.96	$105.21	$167.07	$2.68	$3.86	$4.20	$11.41	$1.93	$5.59
45	$15.76	$3.96	$116.05	$187.95	$2.68	$3.86	$13.89	$11.41	$1.93	$5.59
50	$25.04	$10.93	$129.09	$208.83	$2.68	$3.86	$22.31	$11.41	$5.01	$5.59
55	$44.58	$21.23	$132.73	$229.72	$2.68	$3.86	$34.26	$11.41	$6.67	$5.59
60	$79.40	$37.70	$112.88	$250.60	$2.68	$3.86	$50.68	$30.36	$8.65	$5.59
65	$200.70	$145.78	$125.94	$189.87	$25.69	$24.82	$72.65	$45.30	$11.00	$11.80
70	$484.55	$507.74	$339.71	$505.10	$78.05	$96.65	$216.55	$196.69	$29.39	$44.91
75	$533.73	$567.01	$375.55	$594.82	$93.40	$121.42	$223.46	$198.44	$32.04	$41.01
80	$541.07	$592.70	$359.10	$604.74	$106.12	$144.23	$214.70	$190.17	$32.08	$37.24
85	$510.46	$579.95	$368.12	$542.22	$108.06	$144.47	$185.66	$171.13	$29.75	$33.59
90	$445.19	$523.90	$527.84	$329.33	$92.51	$118.13	$141.06	$141.39	$22.23	$30.04
95	$299.16	$387.54	$527.84	$329.33	$38.65	$118.13	$78.47	$102.07	$22.23	$24.89
100	$299.16	$387.54	$527.84	$329.33	$38.65	$118.13	$78.47	$52.50	$22.23	$24.89
105	$299.16	$387.54	$527.84	$329.33	$38.65	$118.13	$78.47	$52.50	$22.23	$24.89
110	$299.16	$387.54	$527.84	$329.33	$38.65	$118.13	$78.47	$52.50	$22.23	$24.89
115	$299.16	$387.54	$527.84	$329.33	$38.65	$118.13	$78.47	$52.50	$22.23	$24.89

TABLE E3 (CONT'D)
FY 2011 MERHCF CLAIM VECTORS

	Direct Care									
Age	Pharmacy Retiree Active Duty Nondisabled Enlisted	Pharmacy Retiree Active Duty Nondisabled Officer	Pharmacy Retiree Active Duty Disabled Enlisted	Pharmacy Retiree Active Duty Disabled Officer	Pharmacy Retiree Reserve Nondisabled Enlisted	Pharmacy Retiree Reserve Nondisabled Officer	Pharmacy Survivor Active Duty Enlisted	Pharmacy Survivor Active Duty Officer	Pharmacy Survivor Reserve Enlisted	Pharmacy Survivor Reserve Officer
20	$10.67	$4.64	$21.49	$2.00	$18.12	$10.93	$3.80	$12.68	$6.15	$12.31
25	$10.67	$4.64	$21.49	$2.00	$18.12	$10.93	$3.80	$12.68	$6.15	$12.31
30	$10.67	$4.64	$21.49	$2.00	$18.12	$10.93	$3.80	$12.68	$6.15	$12.31
35	$10.67	$4.64	$49.07	$2.00	$18.12	$10.93	$3.80	$12.68	$6.15	$12.31
40	$10.67	$4.64	$71.35	$50.35	$18.12	$10.93	$3.80	$12.68	$6.15	$12.31
45	$13.80	$4.64	$94.47	$117.67	$18.12	$10.93	$15.57	$12.68	$6.15	$12.31
50	$20.45	$10.89	$113.80	$191.03	$18.12	$10.93	$26.37	$12.68	$14.65	$12.31
55	$40.60	$19.73	$122.40	$240.92	$18.12	$10.93	$42.48	$12.68	$19.50	$12.31
60	$84.47	$33.45	$110.74	$217.75	$18.12	$10.93	$65.63	$31.19	$25.31	$12.31
65	$241.59	$122.56	$150.57	$153.66	$62.25	$38.46	$97.93	$44.71	$32.18	$25.83
70	$711.36	$540.73	$399.30	$505.11	$299.26	$259.66	$331.43	$240.98	$148.24	$130.72
75	$769.06	$620.97	$438.12	$578.34	$385.87	$334.10	$322.98	$244.00	$143.84	$122.67
80	$731.25	$616.61	$436.69	$568.44	$383.62	$341.36	$286.81	$225.71	$121.54	$99.63
85	$606.76	$539.36	$398.73	$483.09	$298.55	$284.85	$227.89	$185.14	$85.75	$74.42
90	$403.14	$411.66	$285.65	$231.35	$166.70	$191.41	$155.74	$128.99	$35.50	$56.00
95	$219.91	$233.26	$285.65	$231.35	$58.73	$101.64	$62.96	$70.78	$35.50	$42.32
100	$219.91	$233.26	$285.65	$231.35	$58.73	$101.64	$62.96	$31.25	$35.50	$42.32
105	$219.91	$233.26	$285.65	$231.35	$58.73	$101.64	$62.96	$31.25	$35.50	$42.32
110	$219.91	$233.26	$285.65	$231.35	$58.73	$101.64	$62.96	$31.25	$35.50	$42.32
115	$219.91	$233.26	$285.65	$231.35	$58.73	$101.64	$62.96	$31.25	$35.50	$42.32

TABLE E3 (CONT'D)
FY 2011 MERHCF CLAIM VECTORS

	Purchased Care									
Age	Inpatient Retiree Active Duty Nondisabled Enlisted	Inpatient Retiree Active Duty Nondisabled Officer	Inpatient Retiree Active Duty Disabled Enlisted	Inpatient Retiree Active Duty Disabled Officer	Inpatient Retiree Reserve Nondisabled Enlisted	Inpatient Retiree Reserve Nondisabled Officer	Inpatient Survivor Active Duty Enlisted	Inpatient Survivor Active Duty Officer	Inpatient Survivor Reserve Enlisted	Inpatient Survivor Reserve Officer
20	$8.78	$3.95	$40.19	$27.56	$14.43	$5.32	$38.87	$23.09	$18.17	$27.11
25	$8.78	$3.95	$40.19	$27.56	$14.43	$5.32	$38.87	$23.09	$18.17	$27.11
30	$8.78	$3.95	$57.51	$27.56	$14.43	$5.32	$38.87	$23.09	$18.17	$27.11
35	$8.78	$3.95	$72.47	$27.56	$14.43	$5.32	$38.87	$23.09	$18.17	$27.11
40	$8.78	$3.95	$88.54	$27.56	$14.43	$5.32	$38.87	$23.09	$18.17	$27.11
45	$9.56	$3.95	$105.65	$46.15	$14.43	$5.32	$38.87	$23.09	$18.17	$27.11
50	$14.13	$7.30	$123.74	$56.97	$14.43	$5.32	$38.87	$23.09	$18.17	$27.11
55	$27.49	$11.75	$142.75	$68.94	$14.43	$5.32	$83.16	$23.09	$41.01	$27.11
60	$57.73	$18.16	$162.66	$82.04	$14.43	$5.32	$107.96	$23.09	$63.36	$39.36
65	$147.77	$62.59	$183.52	$109.40	$68.93	$32.75	$137.27	$56.61	$94.55	$56.43
70	$440.27	$274.68	$552.42	$345.06	$288.88	$199.38	$351.53	$208.51	$230.80	$167.14
75	$626.67	$454.57	$734.21	$561.09	$450.72	$377.38	$466.65	$342.28	$319.36	$238.81
80	$818.10	$663.67	$971.51	$757.82	$616.52	$577.02	$585.15	$482.07	$407.93	$346.65
85	$989.64	$890.00	$1,276.15	$929.55	$761.20	$778.86	$694.57	$608.03	$496.49	$459.30
90	$1,106.51	$1,114.91	$1,762.83	$1,070.07	$849.47	$954.08	$777.69	$691.99	$585.06	$541.32
95	$1,122.51	$1,311.96	$1,762.83	$1,168.07	$834.29	$1,059.76	$811.85	$696.19	$660.23	$553.34
100	$850.36	$1,376.96	$1,762.83	$1,168.07	$662.36	$1,059.76	$741.49	$527.28	$660.23	$437.80
105	$850.36	$1,376.96	$1,762.83	$1,168.07	$662.36	$1,059.76	$741.49	$527.28	$660.23	$437.80
110	$850.36	$1,376.96	$1,762.83	$1,168.07	$662.36	$1,059.76	$741.49	$527.28	$660.23	$437.80
115	$850.36	$1,376.96	$1,762.83	$1,168.07	$662.36	$1,059.76	$741.49	$527.28	$660.23	$437.80

TABLE E3 (CONT'D)
FY 2011 MERHCF CLAIM VECTORS

	Purchased Care									
Age	Outpatient Retiree Active Duty Nondisabled Enlisted	Outpatient Retiree Active Duty Nondisabled Officer	Outpatient Retiree Active Duty Disabled Enlisted	Outpatient Retiree Active Duty Disabled Officer	Outpatient Retiree Reserve Nondisabled Enlisted	Outpatient Retiree Reserve Nondisabled Officer	Outpatient Survivor Active Duty Enlisted	Outpatient Survivor Active Duty Officer	Outpatient Survivor Reserve Enlisted	Outpatient Survivor Reserve Officer
20	$19.27	$13.52	$62.57	$116.87	$81.92	$36.58	$39.92	$93.69	$111.39	$56.04
25	$19.27	$13.52	$62.57	$116.87	$81.92	$36.58	$39.92	$93.69	$111.39	$56.04
30	$19.27	$13.52	$155.25	$116.87	$81.92	$36.58	$39.92	$93.69	$111.39	$56.04
35	$19.27	$13.52	$211.91	$116.87	$81.92	$36.58	$39.92	$93.69	$111.39	$56.04
40	$19.27	$13.52	$253.79	$261.75	$81.92	$36.58	$39.92	$93.69	$111.39	$56.04
45	$36.01	$13.52	$293.86	$326.58	$81.92	$36.58	$102.83	$93.69	$111.39	$56.04
50	$60.85	$26.63	$345.81	$372.02	$81.92	$36.58	$141.05	$93.69	$159.59	$56.04
55	$107.99	$44.64	$409.31	$394.40	$81.92	$36.58	$187.74	$93.69	$196.71	$87.32
60	$203.04	$89.68	$451.05	$390.56	$81.92	$36.58	$243.74	$93.69	$222.65	$133.05
65	$437.44	$237.19	$518.14	$444.70	$285.55	$180.89	$309.90	$153.36	$225.22	$176.90
70	$1,663.85	$1,652.19	$1,454.66	$1,742.90	$1,317.04	$1,283.03	$1,059.30	$1,002.45	$900.52	$841.44
75	$2,009.55	$2,151.65	$1,723.19	$2,211.55	$1,686.01	$1,722.63	$1,130.72	$1,133.84	$946.05	$951.75
80	$2,076.51	$2,349.17	$1,708.85	$2,393.05	$1,772.05	$1,931.12	$1,113.08	$1,182.20	$926.53	$991.73
85	$1,936.91	$2,340.24	$1,636.79	$2,313.93	$1,640.57	$1,924.22	$1,026.33	$1,150.19	$847.98	$955.85
90	$1,651.15	$2,162.64	$1,462.75	$1,996.89	$1,370.17	$1,736.49	$887.14	$1,040.19	$715.54	$845.50
95	$1,270.13	$1,808.77	$1,462.75	$1,269.54	$1,051.37	$1,312.09	$709.64	$854.40	$445.63	$670.81
100	$770.35	$1,298.84	$1,462.75	$1,269.54	$773.16	$1,312.09	$489.54	$576.56	$445.63	$451.16
105	$770.35	$1,298.84	$1,462.75	$1,269.54	$773.16	$1,312.09	$489.54	$576.56	$445.63	$451.16
110	$770.35	$1,298.84	$1,462.75	$1,269.54	$773.16	$1,312.09	$489.54	$576.56	$445.63	$451.16
115	$770.35	$1,298.84	$1,462.75	$1,269.54	$773.16	$1,312.09	$489.54	$576.56	$445.63	$451.16

TABLE E3 (CONT'D)
FY 2011 MERHCF CLAIM VECTORS

	Purchased Care									
Age	Pharmacy Retiree Active Duty Nondisabled Enlisted	Pharmacy Retiree Active Duty Nondisabled Officer	Pharmacy Retiree Active Duty Disabled Enlisted	Pharmacy Retiree Active Duty Disabled Officer	Pharmacy Retiree Reserve Nondisabled Enlisted	Pharmacy Retiree Reserve Nondisabled Officer	Pharmacy Survivor Active Duty Enlisted	Pharmacy Survivor Active Duty Officer	Pharmacy Survivor Reserve Enlisted	Pharmacy Survivor Reserve Officer
20	$50.07	$24.56	$94.11	$250.11	$112.97	$62.47	$83.75	$255.04	$183.08	$151.44
25	$50.07	$24.56	$94.11	$250.11	$112.97	$62.47	$83.75	$255.04	$183.08	$151.44
30	$50.07	$24.56	$211.58	$250.11	$112.97	$62.47	$83.75	$255.04	$183.08	$151.44
35	$50.07	$24.56	$334.29	$250.11	$112.97	$62.47	$83.75	$255.04	$183.08	$151.44
40	$50.07	$24.56	$474.43	$555.88	$112.97	$62.47	$83.75	$255.04	$183.08	$151.44
45	$89.48	$24.56	$620.39	$785.74	$112.97	$62.47	$216.72	$255.04	$183.08	$151.44
50	$145.83	$64.59	$754.92	$1,021.24	$112.97	$62.47	$297.28	$255.04	$372.14	$151.44
55	$245.93	$127.51	$854.45	$1,215.99	$112.97	$62.47	$395.68	$255.04	$467.00	$151.44
60	$435.58	$228.67	$888.34	$1,301.00	$112.97	$62.47	$513.70	$255.04	$543.20	$333.63
65	$806.90	$501.87	$1,006.56	$1,001.60	$578.19	$408.72	$653.12	$380.14	$575.76	$432.52
70	$3,059.28	$3,128.59	$2,446.39	$3,334.57	$2,730.89	$2,739.43	$2,175.84	$2,170.37	$2,115.47	$2,077.87
75	$3,532.09	$3,934.50	$2,827.62	$3,972.02	$3,289.77	$3,510.72	$2,294.55	$2,463.12	$2,250.89	$2,255.17
80	$3,452.14	$4,208.85	$2,882.99	$4,191.89	$3,302.77	$3,745.73	$2,262.02	$2,608.48	$2,247.66	$2,347.07
85	$3,120.38	$4,091.80	$2,642.61	$4,032.78	$2,974.96	$3,604.47	$2,092.23	$2,586.15	$2,089.08	$2,317.41
90	$2,671.28	$3,700.52	$1,810.13	$3,527.68	$2,477.16	$3,220.54	$1,797.12	$2,374.55	$1,759.34	$2,124.16
95	$2,097.25	$3,133.82	$1,810.13	$2,415.85	$1,952.88	$2,534.39	$1,387.00	$1,950.75	$1,009.76	$1,718.99
100	$1,175.80	$2,509.09	$1,810.13	$2,415.85	$1,544.01	$2,534.39	$819.81	$1,213.23	$1,009.76	$1,044.72
105	$1,175.80	$2,509.09	$1,810.13	$2,415.85	$1,544.01	$2,534.39	$819.81	$1,213.23	$1,009.76	$1,044.72
110	$1,175.80	$2,509.09	$1,810.13	$2,415.85	$1,544.01	$2,534.39	$819.81	$1,213.23	$1,009.76	$1,044.72
115	$1,175.80	$2,509.09	$1,810.13	$2,415.85	$1,544.01	$2,534.39	$819.81	$1,213.23	$1,009.76	$1,044.72

TABLE E3 (CONT'D)
FY 2011 MERHCF CLAIM VECTORS

	Purchased Care									
Age	USFHP Retiree Active Duty Nondisabled Enlisted	USFHP Retiree Active Duty Nondisabled Officer	USFHP Retiree Active Duty Disabled Enlisted	USFHP Retiree Active Duty Disabled Officer	USFHP Retiree Reserve Nondisabled Enlisted	USFHP Retiree Reserve Nondisabled Officer	USFHP Survivor Active Duty Enlisted	USFHP Survivor Active Duty Officer	USFHP Survivor Reserve Enlisted	USFHP Survivor Reserve Officer
20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$14.60	$12.45	$32.22	$17.63
25	$0.00	$0.00	$4.03	$0.00	$0.00	$0.00	$14.60	$12.45	$32.22	$17.63
30	$0.00	$0.00	$8.08	$0.00	$0.00	$0.00	$14.60	$12.45	$32.22	$17.63
35	$0.00	$0.00	$14.19	$0.00	$0.00	$0.00	$14.60	$12.45	$32.22	$17.63
40	$0.89	$0.04	$22.51	$0.00	$0.00	$0.00	$14.60	$12.45	$32.22	$17.63
45	$2.72	$0.46	$32.87	$39.18	$0.00	$0.00	$14.60	$12.45	$32.22	$17.63
50	$4.19	$1.62	$44.64	$43.54	$0.00	$0.00	$14.60	$12.45	$32.22	$17.63
55	$9.92	$2.06	$56.62	$47.89	$0.00	$0.00	$14.60	$12.45	$32.22	$17.63
60	$23.96	$8.24	$66.90	$52.24	$21.48	$13.45	$14.60	$12.45	$32.22	$17.63
65	$138.78	$120.63	$185.15	$156.07	$119.26	$98.03	$33.61	$28.01	$32.22	$17.63
70	$499.54	$515.51	$483.69	$455.32	$479.11	$480.82	$292.22	$285.33	$299.75	$271.83
75	$634.11	$656.93	$613.15	$583.67	$610.68	$624.08	$350.01	$346.66	$355.83	$321.89
80	$704.70	$736.37	$703.31	$659.49	$679.41	$704.80	$387.70	$387.96	$401.18	$354.54
85	$717.23	$759.55	$722.19	$683.04	$691.10	$728.75	$407.13	$410.52	$426.91	$371.39
90	$676.74	$731.37	$531.71	$591.99	$611.78	$700.87	$409.91	$415.47	$409.41	$373.83
95	$578.51	$616.62	$531.71	$591.99	$611.78	$599.80	$377.82	$397.13	$409.41	$285.12
100	$578.51	$616.62	$531.71	$591.99	$611.78	$599.80	$377.82	$397.13	$409.41	$285.12
105	$578.51	$616.62	$531.71	$591.99	$611.78	$599.80	$377.82	$397.13	$409.41	$285.12
110	$578.51	$616.62	$531.71	$591.99	$611.78	$599.80	$377.82	$397.13	$409.41	$285.12
115	$578.51	$616.62	$531.71	$591.99	$611.78	$599.80	$377.82	$397.13	$409.41	$285.12

Since the USFHP CVs are developed by dividing aggregate USFHP costs by the total number of retired (or survivor) sponsors, and only approximately 2% of retirees enroll in USFHP, the CVs are not a fair representation of USFHP global rates.

APPENDIX F

PLAN PARTICIPATION RATES

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PLAN PARTICIPATION RATES

Normally, medical plan management and administration includes an annual plan election to enroll members in coverage. Annual enrollments serve many purposes, including updating member eligibility and key demographic information (including dependents), determining enrollment for billing purposes, and communicating important plan information to members. When TRICARE for Life (TFL) was introduced without a contribution requirement, military retirees were supplied with educational communications and an invitation to use the plan. Participation was voluntary and there was no need to enroll in the plan. To date, there has been no enrollment in TFL. Only retirees who participate in TRICARE Prime or USFHP must enroll. However, once a retiree or survivor turns age 65 and becomes eligible for Medicare, TRICARE Prime is no longer available, and only a small, grandfathered enrolled group is eligible to sign up for USFHP after obtaining age 65 (about 2%). Therefore, the bulk of Medicare-eligible retirees and survivors are given free coverage in TFL, and it is up to the retiree and survivors to update their information in the Defense Eligibility and Enrollment System (DEERS).

Analysis of per capita claims and utilization within both the Direct Care (DC) and Purchased Care (PC) environments indicates that TFL's current utilization levels generally fall below expected utilization levels for similar populations. One reason for the lower utilization is other health insurance (OHI). Without an annual enrollment, retirees don't have an opportunity to either elect or opt out of TFL. It's possible that some retirees prefer health insurance from another (former) employer or from a spouse's (former) employer.

In the case of TFL, the denominator of a per capita cost is the eligible population, not the enrolled population. As more claims are filed with TFL from members with other health plans, the per capita cost increases even if the population doesn’t change and even if the new users of TFL are healthier and incur lower average costs.

There is a common belief within DoD Health Affairs, OACT, and the MERHCF Board that eligible retirees will migrate away from their other coverage and use the TRICARE and TFL programs more exclusively over time. This belief is based on the following:

- Reduction in alternative, viable sources of medical coverage (employers restricting or terminating eligibility and/or subsidy)
- Military retirees will learn of the TRICARE and TFL programs' great value
- Over time, military families will "grow up" with a greater awareness of the significance TRICARE and TFL play in financial well-being during retirement (similar to an awareness of Medicare)
- Annual surveys of military personnel and retirees have shown a decline in both the percentage of military retirees who are offered OHI and the percentage of those military retirees offered OHI who elect OHI coverage.

At the same time, analysis of DC plan utilization indicates a decline in use of Military Treatment Facilities (MTFs). It makes sense that Medicare-eligible retirees are using MTF services less, since they are seen at MTFs on a space available basis, and they may no longer want to pay for the extra gas to drive to an MTF. The decline in DC utilization can also help explain the higher utilization trends in PC (due to a change in venue). OACT needs to reflect this decline in DC

usage in order to avoid an overstatement of plan cost. Similarly, OACT needs to reflect the shift to PC appropriately.

Participation rates were created to account for the annual change in plan usage as retirees drop their other coverage in favor of TFL (external participation effects) and as retirees change their relative utilization of services within the plan (internal participation effects, or the shift out of direct care services and into purchased care services). Separate plan participation rates are applied through 2021 to recognize an assumed slow but steady shift in availability of alternative coverage and retiree preferences. Since the enrollment in USFHP has been fairly stable over the past several years, and retirees enrolling in USFHP agree to receive almost all their health care services through USFHP, plan participation rates are not applied to USFHP costs.

OACT did not want to incorporate the impact of these events into the medical trend rates so that the MERHCF trend rates would remain comparable to other medical trends (for benchmarking purposes).

Development of Participation Rates

Combined participation rates (PC and DC) were determined after analyzing two data sources:

- TRICARE user rate and utilization data (compared to a benchmark database, adjusted for demographic differences)
  - Percent of members who file a claim (separate for IP, OP, Rx)
  - Average utilization of services (separate for IP, OP, Rx)
- Tabulated survey responses contained in TMA's annual survey data. The survey included questions related to other health insurance (OHI).

These combined participation rates were graded to ultimate assumed participation rates over 15 years, beginning with the September 30, 2006, valuation (previously, participation rates were used over a shorter time horizon). The MERHCF Board decided to reduce the select period of the participation rates so that the participation rates disappear after 15 years.

OACT set ultimate plan participation at 90% for the eligible MERHCF population (combined DC and PC), which means there is an expectation that 10% of the Medicare-eligible retirees will continue to retain other health insurance in the long run. This assumption is based on the fact that there are few opportunities to obtain free Medicare supplement coverage besides TFL, but that there will always be some members who prefer to buy other coverage to help defray the out-of-pocket costs of TFL (up to $3,000 per year).

The initial total participation rates were developed by adding together two components:

- Full participation, measured as one minus the assumed percentage of retirees with OHI
- Partial participation by the retirees who have OHI, measured by estimating the adjusted plan value of TFL after the OHI pays first

Next, the overall participation rates were normalized so that the ultimate participation rate is 100%. Therefore, in determining the starting rates of plan participation for DC and PC, initial

DC participation is greater than 100% (since it is declining), and initial PC participation rate is less than 100% (since it is increasing).

For each benefit component (IP, OP, Rx), PC participation rates were derived from the following formula that sets PC per capita claims costs (at the ultimate participation level) equal to Total per capita claims cost (at the ultimate participation level) minus DC per capita claims cost (at the ultimate participation level):

PC$ / PCP = (T$ / TP) – (DC$ / DCP)

Where:
PC$ = Purchased Care per capita claims cost (including costs absorbed by Medicare)
PCP = initial Purchased Care participation rate (the variable to solve for)
T$ = total (Purchased + Direct Care) per capita claims cost (including costs absorbed by Medicare)
TP = total (Purchased + Direct Care) initial participation rate
DC$ = Direct Care per capita claims cost
DCP = initial Direct Care participation rate

Application of Participation Rates

The claim vectors are adjusted by dividing each average cost in each PC and DC CV by the valuation year's participation rate for the respective benefit (IP, OP, Rx). This adjustment converts current costs to what they would be at ultimate participation levels. For each year prior to 2021, the purchased care cash flow generated by the valuation model is also adjusted to back out the difference between full participation levels and the assumed level of plan participation in each year. The cash flow adjustment for each year prior to 2021 is achieved by multiplying by:

P(n, x, y)

Where:
P(n, x, y) = participation rate in year n for benefit x and place of service y
n = future year between valuation year and 2021
x = IP, OP, or Rx
y = DC or PC

Ultimate participation rates are not applied to USFHP CVs. Members must enroll in USFHP, and the global rates that apply to USFHP are based on full participation. USFHP is a designated provider plan that is designed to encourage members to receive all their care from this plan.

TABLE F1

MERHCF PLAN PARTICIPATION RATES

Fiscal Year	DC			PC		
	IP	OP	RX	IP	OP	RX
2011	105.5%	105.5%	102.5%	97.0%	97.0%	96.5%
2012	104.9%	104.9%	102.3%	97.3%	97.3%	97.1%
2013	104.3%	104.3%	102.0%	97.6%	97.6%	97.5%
2014	103.8%	103.8%	101.8%	97.9%	97.9%	97.8%
2015	103.2%	103.2%	101.5%	98.2%	98.2%	98.1%
2016	102.6%	102.6%	101.3%	98.5%	98.5%	98.4%
2017	102.0%	102.0%	101.0%	98.8%	98.8%	98.7%
2018	101.5%	101.5%	100.8%	99.1%	99.1%	99.0%
2019	100.9%	100.9%	100.6%	99.4%	99.4%	99.3%
2020	100.3%	100.3%	100.3%	99.6%	99.7%	99.6%
2021	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2022	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

APPENDIX G

ACTIVE DUTY RATES

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ACTIVE DUTY RATES

The active duty rates consist principally of decrement rates related to the probabilities of a member leaving a category of Military Service for a specific cause. In addition, they include a new entrant distribution and a set of reentrant ratios.

The active duty rates of decrement are used to project active duty deaths, temporary and permanent disability retirements, nondisability retirements, and withdrawals (i.e., other active duty losses). In addition, the active duty decrements include rates of transfer between officer and enlisted status. The death rates are given by age nearest birthday for officers and enlistees separately. In addition, the death rates are updated each year to reflect another year of mortality improvement to the valuation date (using Scale AA, a trend created by the Society of Actuaries (SOA), with adjustments to reflect the impact of military-specific gender mix and the relative difference in mortality improvement experience between officers and enlistees). The remaining rates are given by completed years of active service for officers and enlistees separately. The formulas used to create the active duty rates are shown on page G-3. Table G1 shows the fiscal years on which various rates are based. The experience period of the rates was selected such that the net change in the active duty force size during the years covered by the period was roughly zero. Because of the large number of cases available and the need to avoid smoothing through real discontinuities, the nondisability retirement and withdrawal rates were not graduated (smoothed). The remaining rates were broken into ranges where assumptions of continuity were reasonable. Except for a few of these ranges where means or ungraduated rates were used, the remaining rates were smoothed using Whittaker-Henderson graduations.

A reentrant is defined as someone who is on active duty at year end, who was not on active duty a year earlier, and who is not a new entrant. The reentrant ratios give the expected number of reentrants per year, per active member, in each cell. The cells are defined by length of service and by officer/enlisted.

The new entrant distribution gives the percentages of new entrants to the Services by age and by officer/enlisted status.

ACTIVE DUTY RATE FORMULAS

WITHDRAWAL FROM ACTIVE DUTY (by completed years of service)

$$\frac{Withdrawals\ during\ \ the\ year}{Number\ at\ beginning\ of\ year}$$

REENTRANT RATIOS (by completed years of service)

$$\frac{Number\ reentering\ during\ the\ year}{Number\ at\ beginning\ of\ year}$$

ACTIVE DEATH (by age nearest birthday)

$$\frac{Deaths\ during\ the\ year}{[Number\ at\ beginning\ of\ year - \frac{1}{2}\ \times\ (Withdrawals + Nondisability\ retirements\ during\ the\ year)]}$$

NONDISABILITY RETIREMENT (by completed years of service)

$$\frac{New\ retirees\ during\ the\ year}{Number\ at\ beginning\ of\ year}$$

TEMPORARY DISABILITY RETIREMENT (by completed years of service)

$$\frac{New\ temporary\ disabilities\ during\ the\ year}{[Number\ at\ beginning\ of\ year - \frac{1}{2}\ \times\ (Withdrawals + Nondisability\ retirments\ during\ the\ year)]}$$

PERMANENT DISABILITY RETIREMENT (by completed years of service)

$$\frac{New\ permanent\ disabilities\ during\ the\ year}{[Number\ at\ beginning\ of\ year - \frac{1}{2}\ \times\ (Withdrawals + Nondisability\ retirements\ during\ the\ year)]}$$

TRANSFER (by completed years of service)

$$\frac{Transfers\ to\ category\ during\ the\ year}{[Number\ at\ beginning\ of\ year - \frac{1}{2}\ \times\ (Withdrawals + Nondisability\ retirements\ during\ the\ year)]}$$

TABLE G1

SUMMARY OF FISCAL YEARS ON WHICH ACTIVE DUTY RATES ARE BASED

RATE	1982-1989	1997	1998	1999	2000-2008	2009
Death					X	X
Nondisability Retirement	X	X	X	X	X	
Temporary Disability Retirement	X	X	X	X	X	
Permanent Disability Retirement	X	X	X	X	X	
Withdrawal (other losses)	X	X	X	X	X	
Reentrant Ratios	X	X	X	X	X	
New Entrant Distribution	X	X	X	X	X	
Paygrade Transfer	X	X	X	X	X	

TABLE G2

DEATH RATES FOR NONRETIRED, ACTIVE DUTY MILITARY
(Age Nearest Birthday)

Age	Officer	Enlistee	Age	Officer	Enlistee
16	0.00045	0.00073	39	0.00040	0.00048
17	0.00051	0.00085	40	0.00039	0.00049
18	0.00059	0.00097	41	0.00039	0.00049
19	0.00064	0.00104	42	0.00039	0.00051
20	0.00064	0.00105	43	0.00039	0.00052
21	0.00062	0.00102	44	0.00040	0.00054
22	0.00061	0.00097	45	0.00042	0.00057
23	0.00060	0.00090	46	0.00043	0.00061
24	0.00058	0.00084	47	0.00045	0.00065
25	0.00057	0.00078	48	0.00046	0.00071
26	0.00057	0.00075	49	0.00048	0.00077
27	0.00054	0.00071	50	0.00051	0.00084
28	0.00053	0.00067	51	0.00054	0.00091
29	0.00051	0.00063	52	0.00057	0.00100
30	0.00049	0.00060	53	0.00061	0.00110
31	0.00048	0.00058	54	0.00065	0.00120
32	0.00046	0.00056	55	0.00070	0.00134
33	0.00045	0.00054	56	0.00075	0.00148
34	0.00043	0.00052	57	0.00081	0.00162
35	0.00042	0.00050	58	0.00087	0.00177
36	0.00041	0.00049	59	0.00094	0.00191
37	0.00041	0.00049	60	0.00100	0.00205
38	0.00040	0.00048			

Note: These death rates should not be compared to other published rates or used for other purposes without examining the exposure formula used in the derivation.

TABLE G3

NONDISABILITY, TEMPORARY DISABILITY & PERMANENT DISABILITY
RETIREMENT RATES (BY COMPLETED YEARS OF SERVICE)
ACTIVE DUTY OFFICER

Years of Service	Non-disability	Temporary Disability	Permanent Disability
0	0.00000	0.00043	0.00007
1	0.00000	0.00085	0.00009
2	0.00000	0.00113	0.00017
3	0.00000	0.00124	0.00019
4	0.00000	0.00146	0.00020
5	0.00000	0.00126	0.00021
6	0.00000	0.00143	0.00033
7	0.00000	0.00153	0.00026
8	0.00000	0.00144	0.00034
9	0.00000	0.00144	0.00036
10	0.00000	0.00142	0.00033
11	0.00000	0.00133	0.00033
12	0.00000	0.00128	0.00032
13	0.00000	0.00112	0.00036
14	0.00000	0.00119	0.00037
15	0.00000	0.00104	0.00037
16	0.00000	0.00093	0.00044
17	0.00000	0.00082	0.00048
18	0.00000	0.00073	0.00059
19	0.24556	0.00192	0.00141
20	0.20352	0.00231	0.00198
21	0.16113	0.00169	0.00178
22	0.14428	0.00204	0.00150
23	0.14541	0.00222	0.00187
24	0.14305	0.00209	0.00176
25	0.18396	0.00214	0.00140
26	0.19135	0.00361	0.00210
27	0.22470	0.00322	0.00166
28	0.20692	0.00367	0.00262
29	0.49853	0.00505	0.00341
30	0.37879	0.00692	0.00435
31	0.28016	0.00534	0.00334
32	0.25438	0.00534	0.00334
33	0.26999	0.00534	0.00334
34	1.00000	0.00534	0.00334

Example: Nine completed years of service could include anywhere from 9.0 to 9.999 years of service. The associated rate applied to the number of people at the beginning of the year in the category will produce the expected number of occurrences during the following year.

The increase in disability rates shown between 18 and 19 years of service may be due to the removal of the 30% disability rating minimum for members with 20 years of service. Certain tax advantages accorded disability retired pay may result in members choosing disability over nondisability retirements. Disabilities were increased by 35% to reflect recent trends.

TABLE G4

NONDISABILITY, TEMPORARY DISABILITY & PERMANENT DISABILITY
RETIREMENT RATES (BY COMPLETED YEARS OF SERVICE)
ACTIVE DUTY ENLISTEE

Years of Service	Non-disability	Temporary Disability	Permanent Disability
0	0.00000	0.00170	0.00007
1	0.00000	0.00294	0.00025
2	0.00000	0.00376	0.00042
3	0.00000	0.00438	0.00058
4	0.00000	0.00420	0.00059
5	0.00000	0.00429	0.00063
6	0.00000	0.00421	0.00071
7	0.00000	0.00440	0.00073
8	0.00000	0.00443	0.00085
9	0.00000	0.00437	0.00090
10	0.00000	0.00423	0.00099
11	0.00000	0.00416	0.00109
12	0.00000	0.00396	0.00104
13	0.00000	0.00369	0.00108
14	0.00000	0.00346	0.00101
15	0.00000	0.00319	0.00126
16	0.00000	0.00299	0.00141
17	0.00000	0.00260	0.00160
18	0.00000	0.00198	0.00163
19	0.42256	0.00541	0.00551
20	0.30241	0.00521	0.00634
21	0.26793	0.00422	0.00482
22	0.23110	0.00433	0.00508
23	0.29343	0.00417	0.00419
24	0.18735	0.00362	0.00359
25	0.33712	0.00437	0.00322
26	0.24102	0.00511	0.00333
27	0.24118	0.00523	0.00343
28	0.19147	0.00545	0.00466
29	0.77601	0.00999	0.00586
30	0.64842	0.01644	0.00795
31	0.42640	0.01399	0.00340
32	0.50641	0.01399	0.00340
33	0.40749	0.01399	0.00340
34	1.00000	0.01399	0.00340

Example: Nine completed years of service could include anywhere from 9.0 to 9.999 years of service. The associated rate applied to the number of people at the beginning of the year in the category will produce the expected number of occurrences during the following year.

The increase in disability rates shown between 18 and 19 years of service may be due to the removal of the 30% disability rating minimum for members with 20 years of service. Certain tax advantages accorded disability retired pay may result in members choosing disability over nondisability retirements. Disabilities were increased by 35% to reflect recent trends.

TABLE G5

WITHDRAWAL, REENTRANT, AND NET LOSS RATES
(BY COMPLETED YEARS OF SERVICE)
ACTIVE DUTY OFFICER

Years of Service	Withdrawal	Reentrant	Net Loss
0	0.01815	0.11937	-0.10122
1	0.02192	0.03298	-0.01106
2	0.07042	0.02574	0.04468
3	0.12192	0.02898	0.09294
4	0.10839	0.01964	0.08875
5	0.09306	0.01703	0.07603
6	0.09686	0.01444	0.08242
7	0.08447	0.01400	0.07047
8	0.07687	0.01200	0.06487
9	0.06825	0.01155	0.05670
10	0.06616	0.00872	0.05744
11	0.05337	0.00798	0.04539
12	0.03556	0.00656	0.02900
13	0.02481	0.00557	0.01924
14	0.01650	0.00467	0.01183
15	0.01042	0.00368	0.00674
16	0.00761	0.00291	0.00470
17	0.00479	0.00252	0.00227
18	0.00236	0.00246	-0.00010
19	0.00000	0.00223	-0.00223
20	0.00000	0.00247	-0.00247
21	0.00000	0.00259	-0.00259
22	0.00000	0.00230	-0.00230
23	0.00000	0.00237	-0.00237
24	0.00000	0.00229	-0.00229
25	0.00000	0.00268	-0.00268
26	0.00000	0.00276	-0.00276
27	0.00000	0.00284	-0.00284
28	0.00000	0.00329	-0.00329
29	0.00000	0.00419	-0.00419
30	0.00000	0.00912	-0.00912
31	0.00000	0.00803	-0.00803
32	0.00000	0.01145	-0.01145
33	0.00000	0.01084	-0.01084
34	0.00000	0.00000	0.00000

Example: Nine completed years of service could include anywhere from 9.0 to 9.999 years of service. The associated rate applied to the number of people at the beginning of the year in the category will produce the expected number of occurrences during the following year.

The reentrant (and all other) rates are developed for valuation purposes to be consistent with the data sources used in the valuation. For example, high reentrant rates for members with zero completed years of service at the beginning of the year reflect members showing up on the valuation data files with one completed year of service at year end, who were not on the data files at the beginning of the year, and who were not new entrants. To the extent the valuation data files exclude these members from the zero-completed-years-of-service cell, use of this reentrant rate is appropriate for the valuation projection. However, this "valuation focus" of the rates should be considered if using them for other purposes, e.g., to estimate the probability a given individual will remain on active duty from zero to one or more completed years of service.

TABLE G6

WITHDRAWAL, REENTRANT, AND NET LOSS RATES
(BY COMPLETED YEARS OF SERVICE)
ACTIVE DUTY ENLISTEE

Years of Service	Withdrawal	Reentrant	Net Loss
0	0.10458	0.03043	0.07415
1	0.10267	0.00769	0.09498
2	0.18351	0.01394	0.16957
3	0.35545	0.02745	0.32800
4	0.15999	0.01394	0.14605
5	0.15789	0.01128	0.14661
6	0.11543	0.00966	0.10577
7	0.12660	0.00918	0.11742
8	0.09560	0.00761	0.08799
9	0.09098	0.00682	0.08416
10	0.05673	0.00540	0.05133
11	0.04738	0.00453	0.04285
12	0.03728	0.00347	0.03381
13	0.02534	0.00282	0.02252
14	0.02207	0.00223	0.01984
15	0.01296	0.00188	0.01108
16	0.00827	0.00154	0.00673
17	0.00514	0.00145	0.00369
18	0.00227	0.00139	0.00088
19	0.00000	0.00126	-0.00126
20	0.00000	0.00157	-0.00157
21	0.00000	0.00148	-0.00148
22	0.00000	0.00167	-0.00167
23	0.00000	0.00156	-0.00156
24	0.00000	0.00212	-0.00212
25	0.00000	0.00169	-0.00169
26	0.00000	0.00247	-0.00247
27	0.00000	0.00180	-0.00180
28	0.00000	0.00212	-0.00212
29	0.00000	0.00168	-0.00168
30	0.00000	0.01403	-0.01403
31	0.00000	0.03693	-0.03693
32	0.00000	0.04974	-0.04974
33	0.00000	0.09762	-0.09762
34	0.00000	0.00000	0.00000

Example: Nine completed years of service could include anywhere from 9.0 to 9.999 years of service. The associated rate applied to the number of people at the beginning of the year in the category will produce the expected number of occurrences during the following year.

The reentrant (and all other) rates are developed for valuation purposes to be consistent with the data sources used in the valuation. For example, high reentrant rates for members with zero completed years of service at the beginning of the year reflect members showing up on the valuation data files with one completed year of service at year end, who were not on the data files at the beginning of the year, and who were not new entrants. To the extent the valuation data files exclude these members from the zero-completed-years-of-service cell, use of this reentrant rate is appropriate for the valuation projection. However, this "valuation focus" of the rates should be considered if using them for other purposes, e.g., to estimate the probability a given individual will remain on active duty from zero to one or more completed years of service.

TABLE G7

PERCENTAGE DISTRIBUTION OF ACTIVE DUTY NEW ENTRANTS

(AGE NEAREST BIRTHDAY)

Age	Officer	Enlistee	Total
16	0.00000	0.00000	0.00000
17	0.00000	0.00142	0.00142
18	0.00000	0.12146	0.12146
19	0.00001	0.25487	0.25488
20	0.00008	0.19288	0.19296
21	0.00045	0.11431	0.11476
22	0.01188	0.07357	0.08545
23	0.01920	0.05093	0.07013
24	0.01025	0.03619	0.04644
25	0.00470	0.02550	0.03020
26	0.00386	0.01783	0.02169
27	0.00327	0.01252	0.01579
28	0.00216	0.00929	0.01145
29	0.00163	0.00663	0.00826
30	0.00127	0.00475	0.00602
31	0.00097	0.00358	0.00455
32	0.00075	0.00285	0.00360
33	0.00058	0.00226	0.00284
34	0.00046	0.00187	0.00233
35	0.00038	0.00165	0.00203
36	0.00028	0.00063	0.00091
37	0.00020	0.00030	0.00050
38	0.00017	0.00024	0.00041
39	0.00015	0.00020	0.00035
40	0.00013	0.00018	0.00031
41	0.00010	0.00014	0.00024
42	0.00008	0.00014	0.00022
43	0.00007	0.00007	0.00014
44	0.00006	0.00004	0.00010
45	0.00005	0.00004	0.00009
46	0.00005	0.00003	0.00008
47	0.00004	0.00003	0.00007
48	0.00004	0.00003	0.00007
49	0.00003	0.00002	0.00005
50	0.00003	0.00002	0.00005
51	0.00002	0.00001	0.00003
52	0.00002	0.00001	0.00003
53	0.00002	0.00001	0.00003
54	0.00002	0.00001	0.00003
55	0.00002	0.00001	0.00003
	0.06348	0.93652	1.00000

TABLE G8

ACTIVE DUTY TRANSFER RATES (BY COMPLETED YEARS OF SERVICE)

Years of Service	Officer to Enlistee	Enlistee to Officer
0	0.00042	0.00304
1	0.00010	0.00096
2	0.00006	0.00112
3	0.00013	0.00145
4	0.00013	0.00227
5	0.00008	0.00282
6	0.00014	0.00393
7	0.00014	0.00515
8	0.00013	0.00718
9	0.00013	0.00874
10	0.00012	0.00968
11	0.00039	0.00969
12	0.00058	0.00907
13	0.00047	0.00778
14	0.00077	0.00613
15	0.00094	0.00472
16	0.00112	0.00306
17	0.00055	0.00179
18	0.00014	0.00137
19	0.00017	0.00096
20	0.00010	0.00115
21	0.00005	0.00105
22	0.00006	0.00093
23	0.00002	0.00088
24	0.00000	0.00044
25	0.00000	0.00005
26	0.00000	0.00002
27	0.00000	0.00007
28	0.00000	0.00000
29	0.00000	0.00000
30	0.00000	0.00000
31	0.00000	0.00000
32	0.00000	0.00000
33	0.00000	0.00000
34	0.00000	0.00000

Example: Nine completed years of service could include anywhere from 9.0 to 9.999 years of service. The associated rate applied to the number of people at the beginning of the year in the category will produce the expected number of occurrences during the following year.

APPENDIX H

RESERVE RATES

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RESERVE RATES

The explicit projection of the reserves is a difficult task due to the complexity of the Reserve career, evolving changes in how the reserves are used, and frequent modification of the reserve data which is comprised of input from multiple reserve components. Reserves may have numerous breaks in service prior to attaining retirement eligibility. Also, Selected Reserves usually transfer to the Non-Selected Reserves before the retirement benefit is received. This Appendix provides a description of the reserve valuation process.

The reserve rates consist of (1) separation rates, (2) column-transfer rates, (3) the distribution of new entrants or reentrants into the Selected Reserve, and (4) a table that shows the timing of when new entrants or reentrants enter.

The separation rates give the probability that a member in a given status at the beginning of the fiscal year leaves the status during the fiscal year. Separation rates from the Selected Reserve, shown in Tables H2 and H3, include ordinary losses, transfers to active duty, discharge, and death. A transfer of a Selected Reservist from officer to enlisted status or vice versa is treated as a separation combined with a reentrance. They do not include transfers to non-Selected Reserves with 20 good years, or retirement. Separations from the Selected Reserve to the non-Selected Reserve with 20 good years are shown in Tables H4 and H5. Separation rates from the non-Selected Reserve with 20 good years, shown in Tables H6 and H7, include transfer to Selected Reserve, death, discharge, and file corrections and timing delays. They do not include transfer to retirement. Separations from the Selected Reserve and non-Selected Reserve with 20 good years to retirement are shown in Tables H8 and H9 (Selected Reserve) and in Tables H10 and H11 (non-Selected Reserve). The separation rates are given by age of reservist, number of years of active duty service, and whether the reservist is an officer or enlistee.

Column-transfer rates give the rate at which a member will accrue enough active service to move from one completed years of total active federal military service column to the next as a result of active duty for special work, mobilizations, summer camp, and initial active duty for training. These rates are shown in Tables H12 and H13.

The separation rates are based on fiscal years 1997-2000. In most cases the separation rates are not smoothed. However, cells with numerators of fewer than 20 cases were combined with other cells or smoothed by fitting equations to the data using weighted-least-squares regression. The column-transfer rates are based on fiscal years 1998-2001. They are smoothed over all ages and years of active service using weighted-least-squares regression.

The distribution of new entrants and reentrants into the Selected Reserve gives the proportion of entrants by officer/enlisted, age nearest birthday, and completed years of active duty service. The cell count for the complete table, including both officers and enlisted, is 100,000. For this purpose, a new entrant or reentrant is defined as someone who was actively on the Reserve Component Common Personnel Data System file at the end of a fiscal year, but not at the beginning. The entrant/reentrant distribution was determined using fiscal years 1997-2000, and is shown in Tables H14 and H15.

The timing table has the same dimensions as the entrant/reentrant distribution and operates in concordance with it. Every cell of the timing table has an integer representing the year in which persons in that cell enter. The timing table is based on fiscal years 1997-2000. This table is

shown in tables H16 and H17. How the table is used depends on the type of projection. Below is an explanation of its use in normal cost and closed group projections.

Normal Cost

For normal cost runs, part of an entering cohort first goes to active duty or a Reserve Officer Training Corps (ROTC) program, but later shows up as a new entrant to the part-time Selected Reserves. In addition, some leave the part-time Selected Reserves and later show up as a reentrant.

This process is simulated in the normal cost run by having the new or reentrant Reservists corresponding to each cell of the timing table show up only when appropriate. In a normal cost run, all cells of the entrant/reentrant distribution will enter only once. Some cells enter the first year. Some cells enter the second year, and so on. Every cell enters, but no cell enters more than once.

The timing table is used to determine when various cells enter in a normal cost run. For example, 23-year-old officers with less than a year of active service are expected to enter the fourth year of the projection. Similarly, 56-year-old officers with 5 years of active service enter in the thirty-first year of the projection. The latter would most likely be reentrants, and the former, new entrants.

The new entrant/reentrant distributions do not distinguish between new entrants and reentrants. They represent people who are in the part-time Selected Reserves at the end of the fiscal year who were not there at the beginning. This is also true for the timing table. The one exception is that cases with a value of 1 are always new entrants. However, there are new entrants that have spent some time on active duty who show up in the same cells that have reentrants in them.

The multiplier (or radix) for a normal cost run in one sense does not matter, because the present value of benefits changes proportionately with it. However, part of the Reserve retirements are paid for with the active duty normal cost, since part of the Reserve retirement is attributable to active duty service. For this reason the radices for part-time and full-time normal costs must be calibrated, so that in the steady state the part-time population is the proper size relative to the active duty force. The present value of Reserve retirement attributable to active duty service may then simply be added to the present value of retirement benefits attributable to active duty service. For the current valuation, this calibration results in 77,051 new entrants/reentrants to the Selected Reserves each year for every 100,000 new entrants to active duty. The portion of the 77,051 that are new entrants to the military is 21,913; this then is the Reserve normal cost radix. This radix is determined by allocating 77,051 according to the entrant/reentrant distribution and choosing the cells for which the value of the timing table equals 1. Thus, throughout the course of the normal cost projection, a total of 77,051 enter (or reenter) the Selected Reserve, 21,913 of whom enter the military for the first time as Selected Reservists.

Closed Group

Closed-group runs form the basis for the calculation of the actuarial liability and exclude anyone who enters the military for the first time after the valuation date. For closed group runs, no new entrants or reentrants are brought in for cells with a value of 1 in the timing table. To do so would effectively bring in a cohort whose first military service began after the date of the valuation. For cells whose value is 2, no new entrants or reentrants are brought in after the end

of the first year, for the same reason. For cells whose value is 3, no new entrants or reentrants are brought in after the end of the second year, and so on. For closed group runs the value for a cell is one larger than the number of future cohorts to be brought in.

In addition to the above timing logic, a "multiplier" is needed to determine the amount of entrants/reentrants to the Selected Reserve each year. None of these entrants/reentrants represent people entering the military for the first time; rather, they represent people transferring from active duty or people (veterans) reentering the Selected Reserves after a break in service, including members who were in the census at the beginning of the projection. The multiplier for closed group runs is set equal to the projected first year losses from the Selected Reserve. The assumption is that if new entrants to the military were included, roughly a constant population is maintained. The entrants are brought in to the Selected Reserve according to the entrant/reentrant distribution. For example, if the multiplier were 150,000, the number brought in to a Selected Reserve cell in a given year of the projection is (n_{ij} / 100,000) x 150,000, where n_{ij} is the cell count for row i and column j of the entrant/reentrant distribution. Again, however, note that bringing in the entrants/reentrants is subject to the aforementioned timing table value restrictions in order to be consistent with closed-group requirements. For example, if the first-year losses were 150,000, the end-of-first-year entrants/reentrants would be approximately 109,000, determined using the (n_{ij} / 100,000) x 150,000 formula for every cell that has a value greater than 1 in the timing table. For each future year in the projection, the number of entrants/reentrants would get progressively smaller, as fewer cells would qualify, based upon the corresponding value of the timing table.

The timing table is based on a data element in the Reserve file called DIEUS, date of initial entry to uniformed services. The values represented in the timing table cells are the average number of fiscal years (or partial fiscal years) between the DIEUS date and the date of the end of the fiscal year in which they entered (or reentered). For example, if the timing table were based on one fiscal year of data and all the cases in a cell had a DIEUS date that fell in the fiscal year being studied, the timing table value for that cell would be 1. If all the cases entered (according to DIEUS) in the fiscal year that preceded the fiscal year being studied, the timing table value for that cell would be 2. In reality, some of the people in a timing table cell may have entered in different fiscal years. However, for simulation purposes, we assume everyone in a particular cell of the timing table enters in the same fiscal year.

TABLE HI

SUMMARY OF FISCAL YEARS ON WHICH RESERVE RATES ARE BASED

RATE	1997	1998	1999	2000	2001
Separation	X	X	X	X	
Column-Transfer		X	X	X	X
New Entrant/Reentrant Distribution	X	X	X	X	
Timing Table	X	X	X	X	

TABLE H2

SELECTED RESERVE OFFICER SEPARATION RATES (Non-retirement Causes) *

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.046	0.217	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.046	0.217	0.113	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.046	0.217	0.113	0.105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.119	0.217	0.113	0.105	0.122	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.183	0.217	0.113	0.105	0.122	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.160	0.217	0.113	0.105	0.122	0.138	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.117	0.143	0.113	0.105	0.122	0.138	0.150	0.127	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.098	0.102	0.162	0.105	0.122	0.138	0.150	0.127	0.180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.104	0.106	0.160	0.152	0.122	0.138	0.150	0.127	0.180	0.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.112	0.104	0.145	0.156	0.172	0.138	0.150	0.127	0.180	0.141	0.105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.138	0.096	0.119	0.153	0.187	0.186	0.150	0.127	0.180	0.141	0.105	0.157	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.135	0.122	0.130	0.158	0.185	0.201	0.121	0.127	0.180	0.141	0.105	0.157	0.192	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.165	0.102	0.132	0.145	0.171	0.189	0.172	0.152	0.180	0.141	0.105	0.157	0.192	0.152	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.149	0.110	0.111	0.130	0.132	0.164	0.183	0.190	0.097	0.141	0.105	0.157	0.192	0.152	0.150	0.000	0.000	0.000	0.000	0.000	0.000
32	0.130	0.096	0.114	0.123	0.127	0.138	0.145	0.135	0.131	0.114	0.105	0.157	0.192	0.152	0.150	0.106	0.000	0.000	0.000	0.000	0.000
33	0.115	0.092	0.096	0.132	0.117	0.119	0.125	0.144	0.126	0.134	0.119	0.157	0.192	0.152	0.150	0.106	0.072	0.000	0.000	0.000	0.000
34	0.120	0.084	0.108	0.120	0.108	0.135	0.122	0.124	0.135	0.137	0.137	0.128	0.192	0.152	0.150	0.106	0.072	0.073	0.000	0.000	0.000
35	0.116	0.077	0.100	0.103	0.104	0.111	0.114	0.124	0.130	0.127	0.122	0.132	0.157	0.152	0.150	0.106	0.072	0.073	0.071	0.000	0.000
36	0.112	0.079	0.093	0.107	0.099	0.089	0.094	0.103	0.113	0.101	0.092	0.127	0.122	0.127	0.150	0.106	0.072	0.073	0.071	0.134	0.000
37	0.111	0.083	0.089	0.100	0.094	0.091	0.099	0.113	0.119	0.098	0.095	0.093	0.095	0.100	0.107	0.106	0.072	0.073	0.071	0.134	0.121
38	0.112	0.071	0.086	0.104	0.089	0.081	0.092	0.115	0.109	0.102	0.098	0.112	0.087	0.093	0.106	0.106	0.072	0.073	0.071	0.134	0.121
39	0.111	0.067	0.075	0.098	0.083	0.087	0.090	0.090	0.099	0.101	0.111	0.095	0.096	0.079	0.111	0.106	0.072	0.073	0.071	0.134	0.121
40	0.104	0.066	0.072	0.083	0.080	0.073	0.072	0.097	0.074	0.090	0.085	0.091	0.078	0.074	0.094	0.106	0.072	0.073	0.071	0.134	0.121
41	0.093	0.063	0.064	0.074	0.066	0.080	0.078	0.090	0.089	0.074	0.108	0.100	0.097	0.076	0.076	0.106	0.072	0.073	0.071	0.134	0.121
42	0.092	0.060	0.065	0.083	0.076	0.067	0.078	0.080	0.097	0.082	0.100	0.097	0.086	0.080	0.093	0.092	0.072	0.073	0.071	0.134	0.121
43	0.087	0.062	0.058	0.071	0.076	0.073	0.069	0.076	0.074	0.068	0.086	0.088	0.090	0.099	0.089	0.070	0.072	0.073	0.071	0.134	0.121
44	0.078	0.056	0.054	0.070	0.065	0.054	0.058	0.073	0.065	0.053	0.067	0.080	0.068	0.055	0.069	0.051	0.072	0.073	0.071	0.134	0.121
45	0.079	0.049	0.062	0.062	0.054	0.047	0.064	0.074	0.066	0.049	0.050	0.052	0.060	0.051	0.066	0.051	0.072	0.073	0.071	0.134	0.121
46	0.080	0.042	0.046	0.060	0.048	0.038	0.047	0.049	0.046	0.056	0.055	0.085	0.046	0.049	0.067	0.051	0.072	0.073	0.071	0.134	0.121
47	0.080	0.040	0.042	0.048	0.035	0.050	0.046	0.037	0.050	0.047	0.050	0.055	0.056	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
48	0.082	0.035	0.049	0.042	0.045	0.037	0.036	0.049	0.037	0.026	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
49	0.078	0.038	0.043	0.043	0.037	0.034	0.037	0.036	0.042	0.050	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
50	0.084	0.036	0.039	0.051	0.052	0.045	0.041	0.029	0.039	0.044	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
51	0.075	0.046	0.051	0.043	0.052	0.037	0.042	0.034	0.046	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
52	0.092	0.047	0.054	0.058	0.037	0.036	0.041	0.045	0.044	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
53	0.088	0.050	0.040	0.067	0.041	0.046	0.046	0.051	0.044	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
54	0.074	0.054	0.076	0.051	0.049	0.034	0.054	0.051	0.044	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
55	0.079	0.051	0.054	0.036	0.049	0.054	0.054	0.051	0.044	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
56	0.077	0.055	0.052	0.066	0.047	0.043	0.054	0.051	0.044	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
57	0.083	0.051	0.054	0.057	0.047	0.044	0.054	0.051	0.044	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
58	0.090	0.036	0.042	0.032	0.047	0.044	0.054	0.051	0.044	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
59	0.136	0.058	0.099	0.079	0.047	0.044	0.054	0.051	0.044	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
60	0.217	0.060	0.065	0.025	0.047	0.044	0.054	0.051	0.044	0.039	0.037	0.035	0.044	0.034	0.044	0.051	0.072	0.073	0.071	0.134	0.121
61	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106
62	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143
>62	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143

* These rates only include separations due to: ordinary losses, transfers to active duty, discharge and death (not transfers to non-Selected Reserve with 20 good years).

TABLE H3

SELECTED RESERVE ENLISTEE SEPARATION RATES (Non-retirement Causes) *

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.142	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.194	0.191	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.213	0.224	0.246	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.182	0.201	0.259	0.294	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.173	0.193	0.231	0.241	0.282	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.179	0.205	0.239	0.280	0.308	0.247	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.235	0.240	0.259	0.285	0.324	0.275	0.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.269	0.273	0.269	0.299	0.325	0.302	0.327	0.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.280	0.277	0.305	0.325	0.330	0.340	0.363	0.329	0.361	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.274	0.273	0.326	0.346	0.331	0.337	0.334	0.303	0.268	0.281	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.255	0.233	0.303	0.320	0.296	0.303	0.307	0.279	0.265	0.264	0.185	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.226	0.205	0.266	0.278	0.261	0.280	0.282	0.274	0.257	0.227	0.245	0.296	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.209	0.191	0.243	0.249	0.234	0.240	0.261	0.259	0.242	0.252	0.247	0.248	0.349	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.197	0.168	0.208	0.228	0.206	0.210	0.234	0.238	0.233	0.223	0.208	0.260	0.280	0.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.176	0.150	0.187	0.196	0.186	0.188	0.207	0.207	0.196	0.214	0.201	0.208	0.232	0.214	0.107	0.000	0.000	0.000	0.000	0.000	0.000
32	0.163	0.126	0.159	0.176	0.168	0.165	0.176	0.185	0.185	0.167	0.177	0.204	0.222	0.178	0.295	0.162	0.000	0.000	0.000	0.000	0.000
33	0.149	0.115	0.145	0.155	0.148	0.158	0.160	0.176	0.154	0.152	0.156	0.193	0.199	0.197	0.242	0.152	0.283	0.000	0.000	0.000	0.000
34	0.139	0.094	0.143	0.142	0.132	0.136	0.155	0.148	0.139	0.153	0.148	0.156	0.168	0.172	0.170	0.130	0.133	0.637	0.000	0.000	0.000
35	0.126	0.086	0.137	0.124	0.118	0.121	0.121	0.138	0.121	0.138	0.132	0.138	0.140	0.166	0.162	0.138	0.219	0.159	0.133	0.000	0.000
36	0.112	0.073	0.120	0.114	0.102	0.100	0.105	0.120	0.110	0.109	0.122	0.123	0.128	0.123	0.136	0.144	0.193	0.125	0.133	0.190	0.000
37	0.111	0.074	0.110	0.109	0.095	0.086	0.096	0.100	0.095	0.100	0.112	0.116	0.108	0.113	0.139	0.133	0.183	0.127	0.133	0.190	0.174
38	0.116	0.076	0.102	0.104	0.092	0.077	0.090	0.092	0.092	0.098	0.096	0.099	0.122	0.106	0.123	0.119	0.148	0.167	0.133	0.190	0.174
39	0.115	0.078	0.086	0.099	0.084	0.072	0.086	0.094	0.090	0.094	0.102	0.099	0.100	0.110	0.119	0.122	0.132	0.138	0.133	0.190	0.174
40	0.115	0.076	0.079	0.093	0.078	0.065	0.083	0.095	0.087	0.079	0.090	0.089	0.099	0.102	0.123	0.115	0.109	0.106	0.133	0.190	0.174
41	0.117	0.068	0.077	0.085	0.074	0.065	0.071	0.089	0.083	0.085	0.084	0.090	0.094	0.082	0.112	0.108	0.110	0.127	0.133	0.190	0.174
42	0.105	0.071	0.072	0.080	0.066	0.052	0.069	0.083	0.066	0.076	0.099	0.100	0.104	0.102	0.106	0.108	0.135	0.096	0.133	0.190	0.174
43	0.104	0.064	0.067	0.072	0.063	0.048	0.067	0.063	0.070	0.074	0.075	0.084	0.104	0.100	0.111	0.095	0.081	0.096	0.133	0.190	0.174
44	0.098	0.059	0.065	0.075	0.052	0.049	0.065	0.065	0.063	0.059	0.066	0.087	0.079	0.077	0.067	0.094	0.130	0.096	0.133	0.190	0.174
45	0.082	0.052	0.055	0.071	0.059	0.045	0.050	0.071	0.057	0.058	0.070	0.065	0.096	0.107	0.094	0.077	0.094	0.096	0.133	0.190	0.174
46	0.075	0.049	0.056	0.064	0.050	0.037	0.050	0.067	0.048	0.047	0.083	0.067	0.068	0.070	0.093	0.070	0.094	0.096	0.133	0.190	0.174
47	0.074	0.048	0.045	0.057	0.047	0.034	0.055	0.048	0.040	0.052	0.047	0.085	0.062	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
48	0.079	0.046	0.050	0.052	0.045	0.024	0.054	0.049	0.039	0.060	0.059	0.060	0.063	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
49	0.068	0.043	0.051	0.051	0.039	0.030	0.034	0.035	0.033	0.050	0.055	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
50	0.074	0.050	0.047	0.054	0.039	0.020	0.046	0.054	0.056	0.045	0.060	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
51	0.076	0.047	0.046	0.053	0.038	0.022	0.032	0.044	0.047	0.045	0.066	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
52	0.067	0.045	0.053	0.048	0.039	0.019	0.047	0.041	0.037	0.044	0.058	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
53	0.066	0.050	0.047	0.047	0.037	0.023	0.035	0.043	0.037	0.031	0.058	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
54	0.068	0.047	0.047	0.049	0.040	0.018	0.037	0.046	0.037	0.031	0.058	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
55	0.061	0.047	0.052	0.043	0.048	0.022	0.038	0.047	0.037	0.031	0.058	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
56	0.070	0.055	0.055	0.047	0.048	0.027	0.054	0.047	0.037	0.031	0.058	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
57	0.081	0.054	0.055	0.057	0.045	0.024	0.054	0.047	0.037	0.031	0.058	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
58	0.049	0.028	0.047	0.054	0.038	0.033	0.054	0.047	0.037	0.031	0.058	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
59	0.124	0.124	0.113	0.126	0.118	0.082	0.054	0.047	0.037	0.031	0.058	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
60	0.126	0.067	0.062	0.065	0.059	0.029	0.054	0.047	0.037	0.031	0.058	0.054	0.048	0.056	0.063	0.070	0.094	0.096	0.133	0.190	0.174
61	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143
62	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
>62	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151

* These rates only include separations due to: ordinary losses, transfers to active duty, discharge and death (not transfers to non-Selected Reserve with 20 good years)

TABLE H4

SELECTED RESERVE OFFICER SEPARATION RATES *

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
37	0.000	0.003	0.005	0.005	0.004	0.006	0.006	0.003	0.012	0.006	0.011	0.009	0.017	0.036	0.010	0.090	0.105	0.098	0.107	0.082	0.100
38	0.001	0.003	0.005	0.005	0.004	0.006	0.006	0.013	0.013	0.006	0.011	0.009	0.017	0.036	0.010	0.090	0.105	0.098	0.107	0.082	0.100
39	0.002	0.011	0.005	0.005	0.017	0.020	0.006	0.010	0.019	0.006	0.011	0.009	0.017	0.036	0.010	0.090	0.105	0.098	0.107	0.082	0.100
40	0.006	0.017	0.007	0.005	0.019	0.018	0.006	0.019	0.020	0.021	0.011	0.009	0.017	0.036	0.010	0.090	0.105	0.098	0.107	0.082	0.100
41	0.004	0.018	0.027	0.016	0.022	0.029	0.016	0.033	0.026	0.027	0.020	0.027	0.034	0.036	0.010	0.090	0.105	0.098	0.107	0.082	0.100
42	0.005	0.017	0.031	0.029	0.026	0.042	0.030	0.035	0.049	0.043	0.031	0.027	0.041	0.039	0.035	0.090	0.105	0.098	0.107	0.082	0.100
43	0.004	0.025	0.047	0.032	0.044	0.060	0.067	0.065	0.064	0.079	0.065	0.056	0.050	0.057	0.057	0.090	0.105	0.098	0.107	0.082	0.100
44	0.007	0.037	0.046	0.037	0.043	0.059	0.073	0.086	0.088	0.093	0.080	0.060	0.066	0.072	0.068	0.090	0.105	0.098	0.107	0.082	0.100
45	0.009	0.033	0.045	0.036	0.051	0.058	0.083	0.084	0.095	0.097	0.086	0.098	0.103	0.084	0.115	0.090	0.105	0.098	0.107	0.082	0.100
46	0.012	0.049	0.048	0.052	0.060	0.069	0.075	0.098	0.067	0.074	0.096	0.083	0.093	0.091	0.109	0.090	0.105	0.098	0.107	0.082	0.100
47	0.012	0.059	0.061	0.044	0.061	0.060	0.070	0.089	0.096	0.062	0.072	0.105	0.088	0.066	0.097	0.090	0.105	0.098	0.107	0.082	0.100
48	0.019	0.074	0.061	0.056	0.071	0.076	0.079	0.093	0.087	0.095	0.107	0.091	0.074	0.107	0.097	0.090	0.105	0.098	0.107	0.082	0.100
49	0.019	0.107	0.085	0.096	0.101	0.115	0.119	0.130	0.144	0.117	0.138	0.088	0.126	0.151	0.125	0.090	0.105	0.098	0.107	0.082	0.100
50	0.027	0.116	0.120	0.101	0.127	0.137	0.135	0.154	0.140	0.137	0.190	0.159	0.145	0.168	0.150	0.090	0.105	0.098	0.107	0.082	0.100
51	0.017	0.110	0.117	0.113	0.128	0.153	0.163	0.142	0.172	0.137	0.151	0.184	0.191	0.182	0.188	0.090	0.105	0.098	0.107	0.082	0.100
52	0.027	0.100	0.123	0.097	0.156	0.142	0.173	0.189	0.185	0.133	0.194	0.205	0.205	0.207	0.231	0.090	0.105	0.098	0.107	0.082	0.100
53	0.026	0.096	0.105	0.113	0.156	0.153	0.164	0.181	0.180	0.170	0.182	0.187	0.184	0.196	0.098	0.090	0.105	0.098	0.107	0.082	0.100
54	0.018	0.083	0.109	0.109	0.141	0.150	0.169	0.204	0.133	0.206	0.222	0.255	0.238	0.255	0.200	0.090	0.105	0.098	0.107	0.082	0.100
55	0.036	0.102	0.116	0.106	0.112	0.176	0.143	0.232	0.181	0.234	0.207	0.215	0.239	0.385	0.082	0.090	0.105	0.098	0.107	0.082	0.100
56	0.028	0.069	0.102	0.109	0.123	0.112	0.149	0.139	0.146	0.064	0.064	0.064	0.064	0.064	0.082	0.090	0.105	0.098	0.107	0.082	0.100
57	0.027	0.089	0.101	0.080	0.085	0.151	0.143	0.108	0.137	0.064	0.064	0.064	0.064	0.064	0.082	0.090	0.105	0.098	0.107	0.082	0.100
58	0.028	0.066	0.097	0.083	0.085	0.120	0.167	0.149	0.140	0.064	0.064	0.064	0.064	0.064	0.082	0.090	0.105	0.098	0.107	0.082	0.100
59	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.064	0.064	0.064	0.064	0.064	0.082	0.090	0.105	0.098	0.107	0.082	0.100
60	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
61	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
62	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
>62	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006

* These rates only include separations to non-Selected Reserve with 20 or more good years.

TABLE H5

SELECTED RESERVE ENLISTEE SEPARATION RATES *

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
37	0.001	0.007	0.005	0.002	0.004	0.005	0.004	0.006	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
38	0.005	0.023	0.011	0.011	0.014	0.013	0.018	0.011	0.020	0.020	0.021	0.018	0.022	0.016	0.009	0.009	0.009	0.009	0.009	0.009	0.009
39	0.009	0.033	0.032	0.024	0.023	0.037	0.032	0.030	0.036	0.037	0.036	0.033	0.039	0.043	0.022	0.018	0.018	0.018	0.018	0.018	0.018
40	0.010	0.041	0.034	0.033	0.032	0.045	0.047	0.039	0.049	0.049	0.050	0.047	0.043	0.042	0.052	0.035	0.041	0.018	0.018	0.018	0.018
41	0.014	0.044	0.048	0.042	0.043	0.050	0.042	0.056	0.051	0.052	0.062	0.059	0.052	0.059	0.055	0.060	0.049	0.023	0.023	0.023	0.023
42	0.010	0.043	0.042	0.052	0.052	0.047	0.045	0.048	0.056	0.065	0.055	0.053	0.058	0.070	0.073	0.068	0.047	0.047	0.047	0.047	0.047
43	0.015	0.045	0.048	0.052	0.052	0.061	0.056	0.054	0.074	0.074	0.082	0.072	0.062	0.071	0.063	0.060	0.054	0.054	0.054	0.054	0.054
44	0.019	0.054	0.056	0.055	0.059	0.066	0.066	0.068	0.079	0.085	0.102	0.074	0.083	0.069	0.097	0.069	0.069	0.069	0.069	0.069	0.069
45	0.022	0.057	0.058	0.064	0.064	0.066	0.061	0.067	0.082	0.076	0.097	0.094	0.076	0.078	0.075	0.075	0.075	0.075	0.075	0.075	0.075
46	0.025	0.063	0.068	0.069	0.068	0.075	0.077	0.075	0.079	0.101	0.109	0.112	0.085	0.073	0.078	0.078	0.078	0.078	0.078	0.078	0.078
47	0.024	0.065	0.072	0.074	0.072	0.073	0.067	0.070	0.089	0.119	0.081	0.090	0.096	0.101	0.093	0.093	0.093	0.093	0.093	0.093	0.093
48	0.023	0.070	0.070	0.071	0.077	0.085	0.073	0.076	0.096	0.098	0.118	0.095	0.117	0.133	0.112	0.112	0.112	0.112	0.112	0.112	0.112
49	0.032	0.076	0.074	0.081	0.085	0.073	0.070	0.083	0.091	0.104	0.084	0.093	0.124	0.104	0.105	0.105	0.105	0.105	0.105	0.105	0.105
50	0.035	0.079	0.076	0.081	0.080	0.075	0.070	0.084	0.099	0.096	0.116	0.116	0.123	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109
51	0.036	0.079	0.082	0.082	0.089	0.080	0.079	0.083	0.087	0.107	0.092	0.097	0.106	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
52	0.039	0.085	0.080	0.088	0.096	0.102	0.091	0.106	0.119	0.107	0.112	0.132	0.149	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
53	0.036	0.080	0.082	0.089	0.095	0.097	0.115	0.104	0.102	0.134	0.092	0.162	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113
54	0.050	0.097	0.107	0.094	0.102	0.122	0.114	0.134	0.141	0.172	0.119	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
55	0.058	0.107	0.121	0.115	0.112	0.179	0.185	0.154	0.170	0.169	0.169	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170
56	0.063	0.109	0.113	0.109	0.126	0.139	0.111	0.129	0.153	0.170	0.135	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176
57	0.055	0.114	0.134	0.107	0.126	0.152	0.116	0.131	0.149	0.149	0.122	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199
58	0.082	0.113	0.130	0.119	0.134	0.157	0.135	0.122	0.174	0.185	0.236	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160
59	0.033	0.082	0.067	0.085	0.092	0.119	0.119	0.086	0.133	0.094	0.107	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102
60	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
61	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
62	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
>62	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004

* These rates only include separations to non-Selected Reserve with 20 or more good years.

TABLE H6

NON-SELECTED RESERVE OFFICER WITH 20 GOOD YEARS SEPARATION RATES *

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
37	0.318	0.206	0.164	0.153	0.143	0.063	0.043	0.026	0.022	0.104	0.071	0.051	0.084	0.078	0.049	0.047	0.025	0.180	0.032	0.043	0.028
38	0.318	0.206	0.164	0.153	0.143	0.063	0.043	0.026	0.022	0.104	0.071	0.051	0.084	0.078	0.049	0.047	0.025	0.180	0.032	0.043	0.028
39	0.318	0.206	0.164	0.153	0.143	0.063	0.043	0.026	0.022	0.104	0.071	0.051	0.084	0.078	0.049	0.047	0.025	0.180	0.032	0.043	0.028
40	0.318	0.106	0.164	0.153	0.136	0.063	0.043	0.026	0.022	0.104	0.071	0.051	0.084	0.078	0.049	0.047	0.025	0.180	0.032	0.043	0.028
41	0.220	0.069	0.164	0.097	0.105	0.063	0.077	0.026	0.022	0.085	0.119	0.051	0.084	0.078	0.049	0.047	0.025	0.180	0.032	0.043	0.028
42	0.127	0.105	0.095	0.096	0.073	0.046	0.061	0.046	0.032	0.044	0.096	0.051	0.084	0.078	0.049	0.047	0.025	0.180	0.032	0.043	0.028
43	0.127	0.063	0.066	0.087	0.048	0.045	0.044	0.040	0.043	0.041	0.072	0.053	0.048	0.078	0.049	0.047	0.025	0.180	0.032	0.043	0.028
44	0.154	0.078	0.029	0.048	0.064	0.033	0.046	0.035	0.049	0.044	0.021	0.035	0.047	0.062	0.104	0.047	0.025	0.180	0.032	0.043	0.028
45	0.061	0.051	0.077	0.076	0.058	0.040	0.035	0.035	0.040	0.049	0.028	0.028	0.028	0.051	0.084	0.047	0.025	0.180	0.032	0.043	0.028
46	0.141	0.052	0.046	0.041	0.048	0.032	0.041	0.017	0.032	0.032	0.036	0.040	0.029	0.041	0.064	0.047	0.025	0.151	0.032	0.043	0.028
47	0.097	0.045	0.049	0.058	0.040	0.029	0.032	0.033	0.031	0.019	0.018	0.021	0.039	0.036	0.056	0.056	0.025	0.027	0.032	0.043	0.028
48	0.072	0.035	0.059	0.042	0.034	0.022	0.022	0.015	0.015	0.020	0.014	0.034	0.049	0.026	0.047	0.053	0.025	0.027	0.032	0.043	0.028
49	0.069	0.031	0.036	0.034	0.025	0.027	0.021	0.012	0.029	0.014	0.010	0.020	0.016	0.021	0.043	0.014	0.025	0.027	0.032	0.043	0.028
50	0.047	0.024	0.027	0.030	0.026	0.016	0.023	0.016	0.021	0.014	0.011	0.011	0.015	0.021	0.039	0.014	0.025	0.027	0.032	0.043	0.028
51	0.055	0.021	0.031	0.028	0.024	0.019	0.013	0.012	0.012	0.014	0.012	0.010	0.013	0.009	0.011	0.014	0.025	0.027	0.032	0.043	0.028
52	0.047	0.014	0.021	0.015	0.021	0.012	0.010	0.008	0.018	0.012	0.008	0.011	0.012	0.009	0.011	0.014	0.025	0.027	0.032	0.043	0.028
53	0.038	0.023	0.020	0.016	0.012	0.013	0.011	0.011	0.010	0.013	0.008	0.010	0.005	0.009	0.011	0.014	0.025	0.027	0.032	0.043	0.028
54	0.032	0.026	0.014	0.011	0.010	0.008	0.008	0.008	0.010	0.012	0.009	0.008	0.005	0.009	0.011	0.014	0.025	0.027	0.032	0.043	0.028
55	0.044	0.024	0.020	0.012	0.013	0.011	0.007	0.009	0.007	0.012	0.011	0.007	0.005	0.009	0.011	0.014	0.025	0.027	0.032	0.043	0.028
56	0.020	0.023	0.014	0.009	0.006	0.011	0.007	0.009	0.007	0.017	0.011	0.006	0.005	0.009	0.011	0.014	0.025	0.027	0.032	0.043	0.028
57	0.029	0.014	0.011	0.012	0.006	0.008	0.009	0.010	0.007	0.011	0.012	0.006	0.005	0.009	0.011	0.024	0.025	0.027	0.032	0.043	0.028
58	0.031	0.018	0.014	0.007	0.008	0.010	0.007	0.008	0.010	0.011	0.048	0.006	0.005	0.009	0.023	0.021	0.025	0.027	0.032	0.043	0.028
59	0.157	0.108	0.124	0.110	0.090	0.091	0.083	0.077	0.074	0.088	0.084	0.081	0.114	0.099	0.105	0.098	0.064	0.080	0.174	0.043	0.028
60	0.077	0.083	0.045	0.036	0.016	0.019	0.161	0.023	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
61	0.266	0.338	0.347	0.296	0.191	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239
62	0.266	0.477	0.327	0.376	0.205	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216
>62	0.455	0.460	0.470	0.318	0.219	0.267	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241

* These rates include separations from non-Selected Reserve with 20 or more good years except for retirement.

TABLE H7

NON-SELECTED RESERVE ENLISTEE WITH 20 GOOD YEARS SEPARATION RATES *

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
37	0.165	0.174	0.144	0.274	0.172	0.057	0.112	0.066	0.039	0.086	0.031	0.072	0.044	0.069	0.062	0.194	0.052	0.069	0.122	0.185	0.130
38	0.175	0.123	0.144	0.246	0.113	0.057	0.168	0.066	0.039	0.086	0.031	0.072	0.044	0.069	0.062	0.194	0.052	0.069	0.122	0.185	0.130
39	0.182	0.104	0.103	0.090	0.055	0.057	0.110	0.111	0.082	0.086	0.031	0.072	0.044	0.069	0.062	0.194	0.052	0.069	0.122	0.185	0.130
40	0.175	0.072	0.050	0.095	0.071	0.049	0.052	0.068	0.054	0.050	0.031	0.072	0.044	0.069	0.062	0.215	0.052	0.069	0.122	0.185	0.130
41	0.103	0.070	0.047	0.094	0.051	0.044	0.031	0.034	0.027	0.043	0.033	0.041	0.044	0.062	0.062	0.174	0.052	0.069	0.122	0.185	0.130
42	0.099	0.062	0.044	0.066	0.042	0.038	0.034	0.038	0.030	0.037	0.046	0.036	0.044	0.054	0.062	0.038	0.052	0.069	0.122	0.185	0.130
43	0.101	0.051	0.034	0.056	0.036	0.023	0.029	0.040	0.035	0.030	0.020	0.036	0.043	0.050	0.062	0.038	0.052	0.069	0.122	0.185	0.130
44	0.078	0.040	0.033	0.047	0.031	0.024	0.032	0.047	0.036	0.029	0.020	0.032	0.033	0.042	0.064	0.038	0.052	0.069	0.122	0.185	0.130
45	0.054	0.032	0.037	0.045	0.024	0.027	0.036	0.024	0.028	0.026	0.019	0.026	0.026	0.043	0.064	0.038	0.052	0.069	0.122	0.185	0.130
46	0.047	0.025	0.027	0.043	0.021	0.016	0.023	0.027	0.014	0.014	0.026	0.034	0.022	0.053	0.065	0.080	0.052	0.069	0.122	0.185	0.130
47	0.049	0.023	0.035	0.037	0.025	0.026	0.024	0.024	0.013	0.022	0.010	0.035	0.019	0.029	0.057	0.028	0.052	0.069	0.122	0.185	0.130
48	0.048	0.020	0.034	0.038	0.019	0.019	0.028	0.014	0.010	0.017	0.012	0.017	0.020	0.062	0.047	0.028	0.052	0.069	0.122	0.185	0.130
49	0.053	0.016	0.031	0.033	0.021	0.015	0.028	0.021	0.018	0.014	0.017	0.018	0.024	0.045	0.040	0.028	0.052	0.069	0.122	0.185	0.130
50	0.033	0.016	0.031	0.028	0.016	0.015	0.020	0.018	0.018	0.016	0.020	0.019	0.020	0.045	0.034	0.028	0.052	0.069	0.122	0.185	0.130
51	0.038	0.021	0.025	0.029	0.019	0.016	0.024	0.022	0.019	0.014	0.023	0.020	0.014	0.027	0.016	0.028	0.052	0.069	0.122	0.185	0.130
52	0.044	0.017	0.027	0.030	0.018	0.014	0.017	0.020	0.010	0.010	0.012	0.017	0.020	0.031	0.016	0.052	0.052	0.069	0.122	0.185	0.130
53	0.042	0.022	0.025	0.027	0.012	0.011	0.023	0.020	0.015	0.022	0.021	0.014	0.013	0.034	0.016	0.022	0.052	0.069	0.122	0.185	0.130
54	0.048	0.019	0.021	0.032	0.017	0.012	0.014	0.016	0.014	0.013	0.020	0.019	0.016	0.023	0.016	0.022	0.052	0.069	0.122	0.185	0.130
55	0.046	0.024	0.022	0.027	0.016	0.014	0.015	0.022	0.010	0.019	0.023	0.021	0.027	0.022	0.016	0.022	0.052	0.069	0.122	0.185	0.130
56	0.044	0.024	0.023	0.030	0.016	0.009	0.013	0.019	0.014	0.012	0.023	0.025	0.025	0.029	0.016	0.022	0.052	0.069	0.122	0.185	0.130
57	0.033	0.026	0.022	0.024	0.015	0.012	0.014	0.022	0.007	0.022	0.026	0.019	0.024	0.027	0.029	0.038	0.052	0.069	0.122	0.185	0.130
58	0.030	0.035	0.028	0.027	0.018	0.010	0.013	0.018	0.012	0.015	0.031	0.013	0.026	0.026	0.066	0.091	0.052	0.069	0.122	0.185	0.130
59	0.145	0.133	0.120	0.120	0.096	0.083	0.099	0.098	0.107	0.093	0.076	0.130	0.093	0.143	0.102	0.143	0.109	0.069	0.122	0.185	0.130
60	0.077	0.065	0.059	0.048	0.022	0.021	0.039	0.034	0.029	0.030	0.025	0.028	0.035	0.046	0.233	0.074	0.100	0.100	0.100	0.100	0.100
61	0.314	0.358	0.209	0.263	0.184	0.176	0.352	0.415	0.456	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365
62	0.396	0.392	0.415	0.349	0.242	0.215	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355
>62	0.437	0.521	0.419	0.477	0.221	0.121	0.253	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350

* These rates include separations from non-Selected Reserve with 20 or more good years except for retirement.

TABLE H8

SELECTED RESERVE OFFICER NONDISABILITY RETIREMENT RATES

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
59	0.203	0.220	0.243	0.264	0.281	0.296	0.308	0.317	0.323	0.327	0.328	0.326	0.321	0.313	0.303	0.289	0.273	0.254	0.233	0.208	0.181
60	0.473	0.570	0.605	0.631	0.653	0.672	0.690	0.706	0.721	0.735	0.749	0.762	0.774	0.785	0.797	0.807	0.818	0.828	0.838	0.848	0.857
61	0.139	0.159	0.202	0.226	0.240	0.249	0.252	0.253	0.250	0.246	0.239	0.231	0.222	0.211	0.200	0.187	0.174	0.160	0.145	0.130	0.114
62	0.081	0.126	0.178	0.217	0.251	0.281	0.308	0.332	0.355	0.377	0.397	0.416	0.435	0.453	0.470	0.486	0.502	0.518	0.533	0.547	0.561
>62	0.108	0.116	0.163	0.200	0.231	0.258	0.283	0.306	0.327	0.347	0.365	0.383	0.400	0.417	0.432	0.447	0.462	0.476	0.490	0.504	0.517

TABLE H9

SELECTED RESERVE ENLISTEE NONDISABILITY RETIREMENT RATES

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
59	0.251	0.276	0.282	0.288	0.294	0.300	0.306	0.312	0.319	0.325	0.331	0.337	0.343	0.349	0.355	0.361	0.367	0.373	0.379	0.385	0.391
60	0.758	0.837	0.852	0.863	0.873	0.881	0.889	0.896	0.902	0.908	0.914	0.919	0.924	0.929	0.934	0.939	1.000	1.000	1.000	1.000	1.000
61	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443
62	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522
>62	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209

TABLE H10

NON-SELECTED RESERVE OFFICER WITH 20 GOOD YEARS NONDISABILITY RETIREMENT RATES

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
59	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378
60	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935
61	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294
62	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192
>62	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121

TABLE H11

NON-SELECTED RESERVE ENLISTEE WITH 20 GOOD YEARS NONDISABILITY RETIREMENT RATES

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
59	0.364	0.375	0.379	0.383	0.385	0.388	0.390	0.396	0.398	0.400	0.401	0.403	0.404	0.406	0.410	0.411	0.412	0.409	0.410	0.411	0.412
60	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921
61	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275
62	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133
>62	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084

TABLE H12

SELECTED RESERVE OFFICER COLUMN-TRANSFER RATES

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
18	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
19	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
20	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
21	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
22	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
23	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
24	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
25	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
26	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
27	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
28	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
29	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
30	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
31	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
32	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
33	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
34	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
35	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
36	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
37	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
38	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
39	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
40	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
41	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
42	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
43	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
44	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
45	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
46	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
47	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
48	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
49	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
50	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
51	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
52	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
53	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
54	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
55	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
56	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
57	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
58	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
59	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
60	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
61	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
62	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000
>62	0.068	0.055	0.052	0.052	0.054	0.057	0.059	0.060	0.058	0.057	0.059	0.063	0.065	0.067	0.065	0.060	0.050	0.037	0.026	0.015	0.000

TABLE H13

SELECTED RESERVE ENLISTEE COLUMN-TRANSFER RATES

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
18	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
19	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
20	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
21	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
22	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
23	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
24	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
25	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
26	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
27	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
28	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
29	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
30	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
31	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
32	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
33	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
34	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
35	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
36	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
37	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
38	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
39	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
40	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
41	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
42	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
43	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
44	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
45	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
46	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
47	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
48	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
49	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
50	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
51	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
52	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
53	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
54	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
55	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
56	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
57	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
58	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
59	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
60	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
61	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
62	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000
>62	0.038	0.026	0.025	0.025	0.031	0.037	0.036	0.035	0.038	0.045	0.043	0.039	0.034	0.028	0.023	0.021	0.025	0.034	0.051	0.077	0.000

TABLE H14

SELECTED RESERVE OFFICER NEW ENTRANT/REENTRANT RATES *

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	27	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	63	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	75	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	122	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	162	12	12	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	153	20	42	11	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	156	23	52	42	21	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	179	29	45	53	69	23	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0
28	203	43	41	56	97	53	12	5	2	2	1	0	0	0	0	0	0	0	0	0	0
29	222	39	35	54	83	73	52	15	5	2	3	1	1	0	0	0	0	0	0	0	0
30	213	47	33	56	81	64	66	54	15	5	5	3	1	0	0	0	0	0	0	0	0
31	177	50	33	54	77	43	48	70	52	36	7	3	3	1	1	0	0	0	0	0	0
32	153	55	26	56	77	43	42	50	81	115	26	3	3	3	2	0	0	0	0	0	0
33	134	46	24	52	72	41	35	42	61	142	87	20	5	3	1	1	2	0	0	0	0
34	136	48	28	52	68	35	39	34	47	92	89	60	14	5	5	1	1	1	0	0	0
35	123	50	25	42	57	39	37	37	43	65	66	79	51	9	6	2	0	1	0	0	0
36	95	37	16	32	43	33	33	33	39	53	46	65	56	27	16	2	1	1	1	1	0
37	84	30	17	21	32	23	25	25	32	35	44	44	37	29	44	7	2	1	0	0	0
38	57	26	10	20	26	16	21	20	23	24	30	42	32	18	37	15	5	2	1	0	0
39	54	18	8	23	27	17	18	17	21	20	26	34	26	17	21	14	9	3	0	0	0
40	52	16	3	18	20	17	18	16	15	16	20	28	21	14	10	11	5	2	0	0	1
41	34	19	7	17	23	15	16	17	17	16	21	25	18	15	12	6	2	3	1	1	0
42	35	11	7	11	24	17	11	15	14	14	14	18	14	12	8	8	3	1	1	1	1
43	27	8	8	14	15	16	11	10	11	11	11	15	15	9	10	3	2	2	1	1	1
44	21	10	6	15	15	10	11	11	9	8	11	14	9	7	9	5	3	1	0	0	1
45	25	10	6	11	15	8	7	7	10	10	7	10	9	7	7	3	3	1	0	1	1
46	20	8	5	10	14	8	10	7	8	6	7	6	8	7	3	3	2	1	1	0	0
47	19	8	8	8	11	7	6	6	3	5	5	6	3	2	5	2	1	0	1	0	0
48	16	7	5	9	8	6	5	6	5	3	1	5	3	2	3	1	1	0	1	1	1
49	16	8	6	9	7	5	2	2	3	5	5	3	5	2	1	1	2	1	0	0	1
50	14	6	5	7	7	3	3	5	5	3	3	3	2	3	1	2	0	1	1	0	0
51	10	5	5	6	6	5	2	2	3	2	1	2	2	2	1	2	1	0	1	0	1
52	9	5	5	5	3	3	2	2	2	2	2	2	1	1	1	1	1	1	0	0	0
53	8	3	5	3	5	2	2	3	1	1	1	2	1	0	1	1	0	0	0	1	1
54	7	2	1	2	2	2	2	1	1	1	1	1	0	1	1	0	0	0	0	0	0
55	6	2	0	2	1	1	1	1	2	0	0	0	0	0	1	0	0	0	0	0	0
56	3	1	1	2	1	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
57	2	1	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
58	2	0	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
59	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

* Rates per 100,000 reservists in the new entrant/reentrant distribution.

TABLE H15

SELECTED RESERVE ENLISTEE NEW ENTRANT/REENTRANT RATES *

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1,346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	10,929	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	9,492	21	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	5,812	55	32	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	3,291	115	520	489	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1,840	145	688	1,270	484	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1,353	159	454	1,403	1,608	69	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1,074	153	389	1,100	1,976	300	56	2	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1,007	169	355	832	1,517	434	314	28	3	0	0	0	0	0	0	0	0	0	0	0	0
26	951	172	316	683	1,177	375	476	239	26	1	0	0	0	0	0	0	0	0	0	0	0
27	841	173	265	571	984	301	417	406	178	22	1	0	0	0	0	0	0	0	0	0	0
28	759	154	212	509	783	233	318	328	265	138	45	3	0	0	0	0	0	0	0	0	0
29	697	151	174	406	645	201	248	260	206	235	188	16	2	0	0	0	0	0	0	0	0
30	585	126	150	322	521	173	193	197	158	190	260	73	10	1	0	0	0	0	0	0	0
31	502	99	112	291	412	146	171	155	135	151	215	108	53	11	2	0	0	0	0	0	0
32	433	99	105	239	354	130	136	135	110	116	159	86	74	49	9	2	0	0	0	0	0
33	400	89	94	213	286	106	117	111	95	93	141	67	72	61	37	22	2	0	0	0	0
34	369	76	88	191	242	90	107	98	94	98	111	67	60	57	47	68	4	1	0	0	0
35	362	75	71	183	220	76	94	92	83	86	111	65	60	46	50	78	12	2	1	0	0
36	309	66	62	156	185	72	72	72	67	69	98	63	55	44	44	56	12	5	1	0	0
37	240	61	55	141	169	56	70	64	53	60	79	45	52	40	35	40	11	5	2	1	0
38	197	61	40	125	126	46	57	46	48	43	58	45	34	37	33	30	12	6	6	0	0
39	165	39	33	101	105	41	39	37	35	30	42	33	35	30	26	27	7	4	3	0	0
40	131	35	27	85	91	37	38	26	31	26	32	24	24	26	24	27	12	5	3	2	1
41	115	34	25	71	78	24	31	23	24	24	29	22	19	18	20	18	7	6	2	1	2
42	93	28	25	61	64	23	27	24	20	17	21	14	13	15	12	14	6	4	2	2	1
43	81	23	22	55	53	21	23	19	15	14	18	12	14	12	8	10	6	4	1	3	1
44	57	21	23	40	42	17	18	14	13	14	13	10	9	6	8	8	6	3	1	1	2
45	46	21	21	37	35	13	15	11	10	7	12	11	9	7	8	7	4	3	1	1	0
46	35	16	17	27	28	11	12	8	8	7	6	6	6	4	5	5	3	3	0	0	2
47	33	15	16	19	20	6	9	5	7	6	6	6	6	4	3	6	3	2	2	1	0
48	27	14	15	16	20	7	7	7	5	5	4	3	5	3	2	2	2	1	1	0	0
49	22	13	16	13	12	7	6	4	5	5	3	4	4	4	3	3	2	2	1	1	0
50	18	11	14	16	14	6	4	5	6	4	3	2	6	2	1	4	1	1	1	0	1
51	12	11	12	17	11	5	3	3	4	2	3	2	2	1	2	1	1	1	0	0	0
52	9	9	11	12	11	5	4	3	2	1	2	2	2	2	1	0	1	0	1	1	1
53	6	6	9	9	9	3	2	2	2	1	3	1	2	1	1	1	0	2	0	0	0
54	9	3	7	8	5	2	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0
55	3	2	5	7	4	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0
56	4	2	3	3	3	1	1	1	1	1	1	0	0	1	1	0	0	1	0	0	1
57	3	1	1	3	3	2	1	0	1	0	0	1	1	0	0	0	1	1	0	0	0
58	2	1	1	3	3	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
59	2	1	2	2	1	0	1	1	0	0	0	0	0	0	0	1	0	1	0	1	0
60	1	0	2	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0

* Rates per 100,000 reservists in the new entrant/reentrant distribution.

TABLE H16

SELECTED RESERVE OFFICER TIMING TABLE

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	3	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	3	3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	3	3	4	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	4	4	4	5	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	4	4	5	5	6	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	5	6	5	5	6	7	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0
25	5	6	5	6	6	7	7	8	9	0	0	0	0	0	0	0	0	0	0	0	0
26	6	7	6	7	7	7	8	8	9	10	0	0	0	0	0	0	0	0	0	0	0
27	6	8	7	7	8	7	8	9	9	10	11	0	0	0	0	0	0	0	0	0	0
28	7	9	8	8	8	8	9	9	10	10	11	12	0	0	0	0	0	0	0	0	0
29	8	10	9	8	9	8	9	10	10	10	11	12	13	0	0	0	0	0	0	0	0
30	9	11	10	10	9	9	9	10	11	10	11	13	13	14	0	0	0	0	0	0	0
31	9	12	11	10	10	10	11	10	11	11	11	13	13	14	15	0	0	0	0	0	0
32	10	12	12	11	11	11	11	11	11	11	12	13	14	14	15	16	0	0	0	0	0
33	10	13	13	12	12	11	12	12	12	12	12	14	14	15	16	16	15	0	0	0	0
34	11	14	13	13	13	12	13	13	12	12	13	14	15	15	16	16	16	16	0	0	0
35	12	14	14	13	14	13	14	13	14	13	13	14	15	16	17	17	16	17	17	0	0
36	13	15	14	13	14	14	14	14	14	13	14	14	15	16	16	17	17	17	18	18	0
37	14	16	16	15	15	15	15	14	15	14	14	15	15	16	16	17	17	18	18	19	19
38	13	16	16	15	16	15	15	16	16	15	15	16	16	17	17	17	18	18	19	19	20
39	14	16	16	17	17	16	16	17	17	17	16	16	17	16	17	18	19	19	19	20	20
40	14	16	17	17	18	18	17	17	17	17	18	17	17	17	18	18	19	20	20	21	21
41	15	17	18	17	19	18	19	18	19	17	18	18	19	19	18	20	20	21	21	21	22
42	16	17	18	20	20	19	18	18	20	19	18	19	20	20	19	20	21	21	22	22	22
43	14	16	20	18	21	20	21	19	19	19	20	20	20	20	21	20	22	22	22	23	23
44	16	19	19	21	20	20	21	21	21	21	21	20	21	20	21	21	22	23	23	23	24
45	15	19	21	23	21	22	21	23	21	20	22	21	21	22	22	21	23	24	24	24	25
46	17	20	23	23	22	23	23	22	22	22	21	19	21	22	23	24	24	24	25	25	25
47	17	21	25	25	23	22	22	22	25	20	22	22	24	23	24	25	25	25	26	26	26
48	18	25	23	23	24	22	24	23	24	24	24	24	24	24	25	26	26	26	26	27	27
49	18	26	27	24	26	26	26	24	25	25	25	25	25	24	26	27	27	27	27	28	28
50	19	27	28	28	29	26	26	24	26	27	27	27	27	25	26	28	27	28	28	28	29
51	18	28	27	27	29	27	27	28	26	28	28	28	28	26	27	29	28	29	29	29	30
52	21	29	28	29	30	28	28	32	27	29	29	29	29	27	28	30	29	30	30	30	31
53	19	30	31	29	30	29	29	30	28	30	30	30	30	29	30	31	30	30	31	31	31
54	19	30	32	31	31	30	30	31	29	31	31	31	31	30	31	32	31	31	32	32	32
55	19	31	32	32	32	30	30	31	30	32	32	32	32	31	32	33	32	32	33	33	33
56	22	31	33	33	33	31	31	32	31	33	33	33	33	32	34	35	33	33	34	34	34
57	22	31	34	33	33	32	32	32	32	35	35	35	35	34	35	36	34	34	35	35	35
58	22	31	34	34	34	33	33	33	33	36	36	36	36	35	37	38	35	35	36	36	36
59	23	31	35	35	35	34	34	33	34	36	36	36	36	37	38	39	36	36	37	37	37
60	23	31	35	36	36	35	35	33	36	36	36	36	36	39	40	41	37	37	38	38	38

TABLE H17

SELECTED RESERVE ENLISTEE TIMING TABLE

COMPLETED YEARS OF TOTAL ACTIVE FEDERAL MILITARY SERVICE

Age	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20+
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	2	3	4	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	2	4	4	5	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	3	5	4	5	6	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	4	5	5	5	6	7	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0
25	5	6	6	6	6	7	8	8	9	0	0	0	0	0	0	0	0	0	0	0	0
26	6	7	7	6	7	7	8	9	9	10	0	0	0	0	0	0	0	0	0	0	0
27	6	8	7	7	8	8	8	9	10	10	11	0	0	0	0	0	0	0	0	0	0
28	7	8	8	8	8	9	9	9	10	11	11	12	0	0	0	0	0	0	0	0	0
29	8	10	9	9	9	9	10	10	10	11	12	12	13	0	0	0	0	0	0	0	0
30	9	10	10	10	10	10	10	11	11	11	12	13	13	14	0	0	0	0	0	0	0
31	10	11	11	11	11	11	11	11	12	12	12	13	14	14	15	0	0	0	0	0	0
32	10	12	12	12	12	12	12	12	12	12	13	13	14	15	15	16	0	0	0	0	0
33	11	13	13	13	13	13	13	13	13	13	13	14	15	15	16	16	17	0	0	0	0
34	12	14	14	14	14	14	13	14	14	14	14	15	15	15	16	17	17	18	0	0	0
35	13	15	14	15	14	14	14	15	15	15	15	16	16	16	17	17	18	18	19	0	0
36	14	16	15	16	15	15	15	15	16	16	15	16	17	17	17	17	18	18	19	20	0
37	15	16	16	17	17	16	16	17	16	17	16	17	17	18	18	17	19	18	20	20	21
38	16	17	16	17	17	17	17	17	17	17	16	18	18	18	18	18	19	20	20	20	20
39	17	18	18	19	18	18	18	18	18	18	17	18	19	19	20	18	20	20	21	21	21
40	17	18	19	20	19	19	19	19	19	19	18	19	20	20	20	20	21	22	21	21	21
41	18	20	21	21	20	20	20	20	19	20	19	20	20	20	21	20	22	22	22	22	22
42	18	21	21	21	21	21	20	20	21	22	20	19	20	21	21	21	23	24	23	23	23
43	19	21	23	23	22	22	23	21	21	21	20	20	21	21	22	21	24	24	24	24	24
44	20	22	24	24	24	23	23	24	22	23	21	22	22	22	22	23	24	24	25	25	25
45	21	23	24	25	24	23	24	24	24	24	21	23	21	23	22	22	23	24	26	26	26
46	21	23	26	25	26	25	25	24	25	24	24	24	21	24	21	23	24	25	26	26	26
47	22	24	27	26	26	25	25	28	26	26	24	25	24	23	26	24	26	26	27	27	27
48	23	25	28	27	27	25	26	28	27	27	27	26	26	25	25	25	25	27	28	28	28
49	24	27	29	29	29	27	28	27	28	28	28	29	28	26	26	26	26	28	29	29	29
50	25	28	29	30	29	28	26	30	30	30	30	30	30	27	27	27	27	29	30	30	30
51	25	27	30	31	31	30	31	31	31	31	31	31	31	29	29	29	29	30	31	31	31
52	27	29	31	31	32	31	32	31	31	31	31	31	31	30	30	30	30	31	32	32	32
53	26	30	32	33	33	33	33	32	32	32	32	32	32	31	31	31	31	32	33	33	33
54	26	30	31	33	34	34	34	33	33	33	33	33	33	33	33	33	33	33	34	34	34
55	22	28	34	35	35	35	35	34	34	34	34	34	34	34	34	34	34	34	35	35	35
56	27	32	34	33	36	36	36	35	35	35	35	35	35	35	35	35	35	35	36	36	36
57	29	33	35	37	37	37	37	36	36	36	36	36	36	36	36	36	36	36	37	37	37
58	27	33	36	34	38	38	38	37	37	37	37	37	37	37	37	37	37	38	38	38	38
59	27	34	37	36	38	38	38	38	38	38	38	38	38	39	39	39	39	39	38	38	38
60	27	34	37	37	38	38	38	39	39	39	39	39	39	40	40	40	40	40	39	39	39

APPENDIX I

RETIREE AND SURVIVOR DECREMENT RATES

Page

Retiree and Survivor Decrement Rates I-2

Retiree and Survivor Decrement Rate Formulas I-3

TABLE I1: Summary of Fiscal Years on which Retiree and Survivor Rates are Based I-4

TABLE I2: Officer Retiree Death Rates I-5

TABLE I3: Enlistee Retiree Death Rates I-7

TABLE I4: Officer and Enlistee Rates of Nondeath, Nontransfer Losses from Temporary Disability I-9

TABLE I5: Officer and Enlistee Transfer Rates from Temporary Disability to Permanent Disability I-10

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TABLE I7: Survivor Death Rates I-12

TABLE I8: Officer Spouses Generated per Sponsor I-13

TABLE I9: Enlistee Spouses Generated per Sponsor I-14

RETIREE AND SURVIVOR DECREMENT RATES

Military retiree decrement rates are used to predict death, "other" losses from retiree status, and rates of transfer from temporary disability to permanent disability. With respect to the MERHCF valuation, the "other" losses consist of returns to active duty from temporary disability (additional "other loss" categories used in the military retirement valuation are not relevant to retiree medical benefit eligibility). These rates were developed by age nearest birthday for officers and enlistees separately, and were further subdivided by three types of retirement: nondisability, temporary disability, and permanent disability. For temporary disability retirees, select rates were created for each of the first five years of retirement. After five years, those who are still in the temporary disability status are transferred to a permanent disability status.

The data for the rates were taken from the Defense Manpower Data Center Retiree and Survivor Files as of September 30 for the years 2000 through 2008. These files were created by the Finance Centers of the military services (now consolidated under the Defense Finance and Accounting Service), which have responsibility for sending monthly retired pay checks to military retirees. A military retiree can be in "paid status" or "nonpaid status." Nonpaid status indicates that a retiree has an entitlement to an annuity, but the annuity is fully reduced by offsets. Retirees who terminate from paid status during a fiscal year are on the retiree file at the end of that fiscal year with a termination code indicating the type of termination. For purposes of the MERHCF valuation, paid status is not relevant. The retiree need only be eligible for Medicare Part A and retiree pay (even if fully offset) in order to have medical benefits paid from the MERHCF.

The rate development process began by matching two consecutive fiscal year-end files by Social Security number. Cases no longer in paid status were categorized by type of loss. In a few cases, there was no follow-up record. Some of the cases represent changed or corrected Social Security numbers. Where there was a previously retired person with a new Social Security number, it was subtracted from the cases with no follow-up record. The remaining unknowns were prorated. In addition, persons who discontinued a previous waiver of DoD retired pay were subtracted from other losses. After following the above procedures, crude rates were created using the formulas given on page I-3. These were smoothed using a Whittaker-Henderson type B graduation, or by fitting a polynomial to the crude rates. Where there was reason to suspect valid discontinuities in the underlying rates, those segments were not smoothed. A summary of the years on which various rates are based is provided in Table I1.

Retiree and survivor rates are shown in Tables I2 through I7. It's important to note that the MERHCF valuation doesn't apply divorce rates but does apply remarriage rates. Since former spouses can continue their medical benefit eligibility even if the retiree remarries, divorce doesn't change the benefit promise to an eligible former spouse. Remarriage rates for survivors is relevant because a survivor loses benefit eligibility upon remarriage (not included in this experience is remarriage to another military spouse). A detailed description of the benefit eligibility requirements for survivors and former spouses is contained in Appendix A.

Tables I8 and I9 contain the expected "spouse per sponsor" ratios at each sponsor age in order to properly generate a projection of surviving spouses. Spouse per sponsor ratios are determined by comparing the sum of spouses and eligible former spouses to the number of sponsors at each sponsor age.

RETIREE AND SURVIVOR DECREMENT RATE FORMULAS

DEATH OF NONDISABILITY RETIREES (by age nearest birthday)

$$\frac{Nondisability\ deaths\ during\ the\ year}{[Number\ at\ beginning\ of\ year - \frac{1}{2} \times (Nondisability\ deaths + Other\ losses)]}$$

DEATH OF PERMANENT DISABILITY RETIREES (by age nearest birthday)

$$\frac{Permanent\ disability\ deaths\ during\ the\ year^{1}}{[Number\ at\ beginning\ of\ year - \frac{1}{2} \times (Permanent\ disability\ deaths + Other\ losses)]}$$

DEATH OF TEMPORARY DISABILITY RETIREES (by age nearest birthday and years retired)

$$\frac{Temporary\ disability\ deaths\ during\ the\ year^{2}}{[Number\ at\ beginning\ of\ year - \frac{1}{2} \times (Deaths + Transfers + Other\ losses)]}$$

OTHER LOSSES FROM TEMPORARY DISABILITY (by age nearest birthday and years retired)

$$\frac{Losses\ other\ than\ death\ or\ transfers\ to\ permanent\ disability\ during\ the\ year}{Number\ at\ beginning\ of\ year}$$

TRANSFER FROM TEMPORARY TO PERMANENT DISABILITY (by age nearest birthday and years retired)

$$\frac{Transfers\ to\ permanent\ disability\ during\ the\ year}{Number\ at\ beginning\ of\ year}$$

REMARRIAGE OF SURVIVING SPOUSE (by age nearest birthday)

$$\frac{Surviving\ spouse\ remarriages\ during\ the\ year}{Number\ at\ beginning\ of\ year}$$

DEATH OF SURVIVING SPOUSE (by age nearest birthday)

$$\frac{Surviving\ spouse\ deaths\ during\ the\ year}{Number\ at\ beginning\ of\ year}$$

[1] Includes only the deaths of members who had permanent disability status at the beginning of the year.
[2] Includes deaths of members who had temporary disability status at the beginning of the year, then transferred to permanent disability, and later died before the end of the year. Determined for each year of temporary disability retirement (1-5).

TABLE I1

SUMMARY OF FISCAL YEARS ON WHICH RETIREE AND SURVIVOR RATES ARE BASED

	2000-2003	2004	2005	2006	2007	2008	2009	2010	2011
DEATH RATES									
ND Officer						X	X		
ND Enlistee						X	X		
PD Officer				X	X	X			
PD Enlistee				X	X	X			
TD Officer	X	X	X						
TD Enlistee	X	X	X						
OTHER LOSS RATES									
TD Officer	X	X	X						
TD Enlistee	X	X	X						
TRANSFER RATES FROM TD TO PD									
Officer	X	X	X						
Enlistee	X	X	X						
SURVIVOR RATES									
Remarriage		X	X	X					
Survivor Death		X	X	X					
SPOUSES GENERATED PER SPONSOR									
Officer									X
Enlistee									X

ND = Nondisabled
PD = Permanently Disabled
TD = Temporarily Disabled

TABLE I2

OFFICER RETIREE DEATH RATES

(AGE NEAREST BIRTHDAY)

	Non-Disability		Permanent	Temporary Disability				
				Year of Retirement				
Age	Active	Reserve	Disability	One	Two	Three	Four	Five
16	0.00036	0.00036	0.00533	0.02302	0.01162	0.00595	0.00232	0.00234
17	0.00036	0.00036	0.00533	0.02145	0.01083	0.00554	0.00216	0.00218
18	0.00036	0.00036	0.00533	0.01999	0.01009	0.00516	0.00201	0.00203
19	0.00036	0.00036	0.00533	0.01863	0.00940	0.00481	0.00187	0.00189
20	0.00036	0.00036	0.00533	0.01735	0.00876	0.00448	0.00175	0.00176
21	0.00036	0.00036	0.00533	0.01621	0.00818	0.00419	0.00163	0.00165
22	0.00036	0.00036	0.00533	0.01521	0.00768	0.00393	0.00153	0.00154
23	0.00036	0.00036	0.00533	0.01434	0.00724	0.00370	0.00144	0.00146
24	0.00036	0.00036	0.00533	0.01360	0.00687	0.00351	0.00137	0.00138
25	0.00036	0.00036	0.00533	0.01302	0.00657	0.00336	0.00131	0.00132
26	0.00036	0.00036	0.00533	0.01258	0.00635	0.00325	0.00127	0.00128
27	0.00036	0.00036	0.00533	0.01230	0.00621	0.00318	0.00124	0.00125
28	0.00036	0.00036	0.00533	0.01218	0.00615	0.00315	0.00123	0.00124
29	0.00036	0.00036	0.00533	0.01223	0.00617	0.00316	0.00123	0.00124
30	0.00031	0.00032	0.00533	0.01245	0.00628	0.00322	0.00125	0.00126
31	0.00031	0.00032	0.00533	0.01285	0.00648	0.00332	0.00129	0.00130
32	0.00031	0.00032	0.00533	0.01343	0.00678	0.00347	0.00135	0.00136
33	0.00031	0.00032	0.00533	0.01420	0.00717	0.00367	0.00143	0.00144
34	0.00031	0.00032	0.00533	0.01517	0.00766	0.00392	0.00153	0.00154
35	0.00031	0.00032	0.00533	0.01635	0.00825	0.00422	0.00164	0.00166
36	0.00031	0.00032	0.00533	0.01774	0.00895	0.00458	0.00178	0.00180
37	0.00031	0.00032	0.00533	0.01935	0.00977	0.00500	0.00195	0.00197
38	0.00031	0.00032	0.00533	0.02119	0.01070	0.00547	0.00213	0.00215
39	0.00031	0.00032	0.00533	0.02327	0.01174	0.00601	0.00234	0.00236
40	0.00041	0.00041	0.00533	0.02559	0.01291	0.00661	0.00257	0.00260
41	0.00050	0.00051	0.00533	0.02816	0.01421	0.00727	0.00283	0.00286
42	0.00060	0.00061	0.00533	0.03099	0.01564	0.00800	0.00312	0.00315
43	0.00061	0.00063	0.00533	0.03409	0.01721	0.00881	0.00343	0.00346
44	0.00064	0.00065	0.00533	0.03747	0.01891	0.00968	0.00377	0.00381
45	0.00067	0.00069	0.00533	0.04113	0.02076	0.01062	0.00414	0.00418
46	0.00072	0.00073	0.00533	0.04509	0.02276	0.01165	0.00453	0.00458
47	0.00078	0.00079	0.00533	0.04935	0.02491	0.01275	0.00496	0.00501
48	0.00086	0.00087	0.00533	0.05392	0.02722	0.01393	0.00542	0.00548
49	0.00094	0.00096	0.00533	0.05882	0.02969	0.01519	0.00592	0.00597
50	0.00105	0.00107	0.00574	0.06405	0.03233	0.01655	0.00644	0.00651
51	0.00117	0.00119	0.00596	0.06962	0.03514	0.01798	0.00700	0.00707
52	0.00130	0.00132	0.00620	0.07554	0.03813	0.01951	0.00760	0.00767
53	0.00145	0.00148	0.00647	0.08182	0.04130	0.02114	0.00823	0.00831
54	0.00163	0.00167	0.00677	0.08847	0.04465	0.02285	0.00890	0.00899
55	0.00186	0.00189	0.00710	0.09550	0.04820	0.02467	0.00961	0.00970
56	0.00211	0.00214	0.00747	0.10292	0.05195	0.02659	0.01035	0.01045
57	0.00240	0.00243	0.00791	0.11074	0.05590	0.02861	0.01114	0.01125
58	0.00275	0.00277	0.00843	0.11897	0.06005	0.03073	0.01197	0.01208
59	0.00315	0.00316	0.00905	0.12762	0.06442	0.03297	0.01284	0.01296
60	0.00361	0.00350	0.00981	0.13670	0.06900	0.03531	0.01375	0.01388
61	0.00414	0.00354	0.01072	0.14623	0.07381	0.03777	0.01471	0.01485

TABLE I2 (CONT'D)

OFFICER RETIREE DEATH RATES

(AGE NEAREST BIRTHDAY)

	Non-Disability		Permanent	Temporary Disability				
				Year of Retirement				
Age	Active	Reserve	Disability	One	Two	Three	Four	Five
62	0.00474	0.00375	0.01180	0.15642	0.07895	0.04041	0.01573	0.01589
63	0.00543	0.00418	0.01307	0.16731	0.08445	0.04322	0.01683	0.01699
64	0.00618	0.00485	0.01455	0.17897	0.09033	0.04623	0.01800	0.01818
65	0.00703	0.00566	0.01626	0.19144	0.09663	0.04945	0.01925	0.01944
66	0.00797	0.00635	0.01820					
67	0.00903	0.00705	0.02036					
68	0.01020	0.00798	0.02272					
69	0.01154	0.00913	0.02526					
70	0.01305	0.01059	0.02799					
71	0.01471	0.01236	0.03089					
72	0.01666	0.01451	0.03397					
73	0.01890	0.01696	0.03723					
74	0.02145	0.01948	0.04069					
75	0.02437	0.02205	0.04440					
76	0.02770	0.02503	0.04839					
77	0.03151	0.02879	0.05272					
78	0.03585	0.03331	0.05746					
79	0.04080	0.03843	0.06273					
80	0.04645	0.04378	0.06866					
81	0.05289	0.04963	0.07538					
82	0.06022	0.05624	0.08299					
83	0.06856	0.06345	0.09158					
84	0.07800	0.07122	0.10114					
85	0.08866	0.08031	0.11163					
86	0.10064	0.09176	0.12303					
87	0.11402	0.10571	0.13536					
88	0.12890	0.12164	0.14869					
89	0.14538	0.13856	0.16318					
90	0.16291	0.15611	0.17906					
91	0.18266	0.17562	0.19663					
92	0.20416	0.19755	0.21622					
93	0.22742	0.22279	0.23813					
94	0.25248	0.25126	0.26260					
95	0.27937	0.28230	0.28982					
96	0.30810	0.31492	0.31992					
97	0.33868	0.34799	0.35296					
98	0.36984	0.38066	0.38897					
99	0.40266	0.41081	0.42795					
100	0.43712	0.43889	0.45779					
101	0.47324	0.46424	0.48763					
102	0.51101	0.48643	0.51747					
103	0.55042	0.50531	0.54731					
104	0.59149	0.52083	0.57715					
105	0.62858	0.55349	0.60699					
106	0.66461	0.58521	0.63683					
107	0.66667	0.61404	0.66667					
108	0.66667	0.64218	0.66667					
109	0.66667	0.66667	0.66667					
110	0.66667	0.66667	0.66667					

TABLE I3

ENLISTEE RETIREE DEATH RATES

(AGE NEAREST BIRTHDAY)

	Non-Disability		Permanent	Temporary Disability				
				Year of Retirement				
Age	Active	Reserve	Disability	One	Two	Three	Four	Five
16	0.00044	0.00044	0.00290	0.01100	0.00566	0.00407	0.00594	0.00516
17	0.00044	0.00044	0.00290	0.01025	0.00528	0.00380	0.00554	0.00481
18	0.00044	0.00044	0.00290	0.00955	0.00492	0.00354	0.00516	0.00448
19	0.00044	0.00044	0.00290	0.00890	0.00458	0.00330	0.00481	0.00418
20	0.00044	0.00044	0.00290	0.00829	0.00427	0.00307	0.00448	0.00389
21	0.00044	0.00044	0.00290	0.00775	0.00399	0.00287	0.00418	0.00363
22	0.00044	0.00044	0.00290	0.00727	0.00374	0.00269	0.00392	0.00341
23	0.00044	0.00044	0.00290	0.00685	0.00353	0.00254	0.00370	0.00321
24	0.00044	0.00044	0.00290	0.00650	0.00335	0.00241	0.00351	0.00305
25	0.00044	0.00044	0.00290	0.00622	0.00320	0.00230	0.00336	0.00292
26	0.00044	0.00044	0.00290	0.00601	0.00310	0.00223	0.00325	0.00282
27	0.00044	0.00044	0.00290	0.00588	0.00303	0.00218	0.00318	0.00276
28	0.00044	0.00044	0.00290	0.00582	0.00300	0.00216	0.00314	0.00273
29	0.00044	0.00044	0.00290	0.00585	0.00301	0.00216	0.00316	0.00274
30	0.00038	0.00040	0.00290	0.00595	0.00306	0.00220	0.00321	0.00279
31	0.00038	0.00040	0.00290	0.00614	0.00316	0.00227	0.00331	0.00288
32	0.00038	0.00040	0.00290	0.00642	0.00330	0.00238	0.00347	0.00301
33	0.00038	0.00040	0.00290	0.00679	0.00349	0.00251	0.00366	0.00318
34	0.00038	0.00040	0.00290	0.00725	0.00373	0.00268	0.00392	0.00340
35	0.00038	0.00040	0.00290	0.00781	0.00402	0.00289	0.00422	0.00367
36	0.00038	0.00040	0.00290	0.00848	0.00436	0.00314	0.00458	0.00398
37	0.00038	0.00040	0.00290	0.00925	0.00476	0.00342	0.00499	0.00434
38	0.00038	0.00040	0.00290	0.01013	0.00521	0.00375	0.00547	0.00475
39	0.00038	0.00040	0.00351	0.01112	0.00572	0.00412	0.00600	0.00522
40	0.00051	0.00053	0.00369	0.01223	0.00629	0.00453	0.00660	0.00574
41	0.00062	0.00065	0.00393	0.01346	0.00693	0.00498	0.00727	0.00631
42	0.00073	0.00077	0.00421	0.01481	0.00762	0.00548	0.00800	0.00695
43	0.00086	0.00090	0.00455	0.01629	0.00839	0.00603	0.00880	0.00764
44	0.00098	0.00103	0.00493	0.01791	0.00922	0.00663	0.00967	0.00840
45	0.00113	0.00118	0.00534	0.01966	0.01012	0.00728	0.01061	0.00922
46	0.00127	0.00132	0.00580	0.02155	0.01109	0.00798	0.01164	0.01011
47	0.00143	0.00149	0.00629	0.02359	0.01214	0.00873	0.01274	0.01106
48	0.00161	0.00167	0.00680	0.02577	0.01327	0.00954	0.01392	0.01209
49	0.00182	0.00188	0.00734	0.02811	0.01447	0.01041	0.01518	0.01319
50	0.00206	0.00213	0.00790	0.03061	0.01576	0.01133	0.01653	0.01436
51	0.00235	0.00242	0.00848	0.03328	0.01713	0.01232	0.01797	0.01561
52	0.00269	0.00276	0.00910	0.03610	0.01858	0.01337	0.01949	0.01694
53	0.00308	0.00315	0.00975	0.03911	0.02013	0.01448	0.02112	0.01834
54	0.00354	0.00362	0.01047	0.04229	0.02176	0.01566	0.02283	0.01983
55	0.00409	0.00416	0.01127	0.04565	0.02349	0.01690	0.02465	0.02141
56	0.00472	0.00479	0.01217	0.04919	0.02532	0.01821	0.02656	0.02307
57	0.00543	0.00549	0.01320	0.05293	0.02724	0.01960	0.02858	0.02483
58	0.00622	0.00629	0.01438	0.05686	0.02927	0.02105	0.03070	0.02667
59	0.00713	0.00637	0.01571	0.06100	0.03139	0.02258	0.03294	0.02861
60	0.00813	0.00643	0.01719	0.06534	0.03363	0.02419	0.03528	0.03065
61	0.00922	0.00676	0.01884	0.06989	0.03597	0.02588	0.03774	0.03278

TABLE I3 (CONT'D)

ENLISTEE RETIREE DEATH RATES

(AGE NEAREST BIRTHDAY)

	Non-Disability		Permanent	Temporary Disability				
				Year of Retirement				
Age	Active	Reserve	Disability	One	Two	Three	Four	Five
62	0.01042	0.00726	0.02065	0.07476	0.03848	0.02768	0.04037	0.03507
63	0.01167	0.00802	0.02262	0.07997	0.04116	0.02961	0.04318	0.03751
64	0.01306	0.00898	0.02476	0.08554	0.04403	0.03167	0.04619	0.04012
65	0.01457	0.01015	0.02706	0.09150	0.04709	0.03388	0.04940	0.04292
66	0.01618	0.01147	0.02953					
67	0.01788	0.01302	0.03219					
68	0.01980	0.01474	0.03506					
69	0.02192	0.01664	0.03815					
70	0.02428	0.01866	0.04149					
71	0.02680	0.02095	0.04511					
72	0.02971	0.02351	0.04902					
73	0.03299	0.02642	0.05327					
74	0.03667	0.02962	0.05789					
75	0.04064	0.03337	0.06292					
76	0.04525	0.03764	0.06842					
77	0.05040	0.04247	0.07442					
78	0.05616	0.04777	0.08100					
79	0.06235	0.05392	0.08819					
80	0.06945	0.06081	0.09606					
81	0.07732	0.06851	0.10466					
82	0.08603	0.07677	0.11403					
83	0.09528	0.08617	0.12422					
84	0.10578	0.09648	0.13526					
85	0.11727	0.10775	0.14718					
86	0.12981	0.11961	0.16000					
87	0.14295	0.13291	0.17374					
88	0.15767	0.14734	0.18843					
89	0.17358	0.16293	0.20407					
90	0.19067	0.17914	0.22067					
91	0.20827	0.19721	0.23826					
92	0.22777	0.21661	0.25683					
93	0.24853	0.23656	0.27638					
94	0.26962	0.25780	0.29693					
95	0.29184	0.28035	0.31846					
96	0.31519	0.30423	0.34098					
97	0.33967	0.32946	0.36604					
98	0.36528	0.35604	0.39109					
99	0.39202	0.38398	0.41614					
100	0.41989	0.41327	0.44119					
101	0.44890	0.44392	0.46625					
102	0.47903	0.47114	0.49130					
103	0.50955	0.50117	0.51635					
104	0.54268	0.53375	0.54140					
105	0.57671	0.56722	0.56646					
106	0.60977	0.59973	0.59151					
107	0.63981	0.62928	0.61656					
108	0.66667	0.65812	0.64161					
109	0.66667	0.66667	0.66667					
110	0.66667	0.66667	0.66667					

TABLE I4

RATES OF NONDEATH, NONTRANSFER LOSSES FROM TEMPORARY DISABILITY
(AGE NEAREST BIRTHDAY)

	OFFICER					ENLISTEE				
	Year of Retirement					Year of Retirement				
Age	One	Two	Three	Four	Five	One	Two	Three	Four	Five
16	0.04068	0.08638	0.05680	0.05866	0.36874	0.05080	0.12669	0.08648	0.10831	0.40196
17	0.04178	0.08871	0.05834	0.06024	0.37870	0.05362	0.13374	0.09131	0.11434	0.42436
18	0.04291	0.09111	0.05991	0.06187	0.38894	0.05661	0.14119	0.09639	0.12071	0.44799
19	0.04407	0.09358	0.06154	0.06354	0.39945	0.05977	0.14906	0.10176	0.12744	0.47295
20	0.04526	0.09610	0.06320	0.06526	0.41025	0.06310	0.15736	0.10742	0.13454	0.49930
21	0.04648	0.09870	0.06490	0.06702	0.42134	0.06587	0.16428	0.11215	0.14045	0.52125
22	0.04775	0.10136	0.06666	0.06884	0.43273	0.06812	0.16990	0.11599	0.14526	0.53908
23	0.04903	0.10411	0.06846	0.07070	0.44443	0.06989	0.17430	0.11899	0.14902	0.55305
24	0.05036	0.10692	0.07031	0.07261	0.45644	0.07120	0.17757	0.12122	0.15182	0.56341
25	0.05149	0.10932	0.07190	0.07424	0.46670	0.07208	0.17977	0.12272	0.15369	0.57039
26	0.05242	0.11131	0.07320	0.07559	0.47515	0.07256	0.18097	0.12355	0.15473	0.57423
27	0.05315	0.11285	0.07421	0.07664	0.48174	0.07268	0.18127	0.12375	0.15498	0.57517
28	0.05367	0.11395	0.07493	0.07738	0.48644	0.07246	0.18073	0.12338	0.15452	0.57344
29	0.05398	0.11460	0.07537	0.07783	0.48923	0.07194	0.17941	0.12248	0.15339	0.56926
30	0.05407	0.11480	0.07550	0.07796	0.49009	0.07113	0.17739	0.12110	0.15167	0.56286
31	0.05396	0.11456	0.07534	0.07779	0.48905	0.07007	0.17474	0.11930	0.14941	0.55446
32	0.05363	0.11388	0.07488	0.07733	0.48613	0.06878	0.17154	0.11711	0.14667	0.54429
33	0.05311	0.11276	0.07415	0.07657	0.48136	0.06730	0.16784	0.11458	0.14350	0.53256
34	0.05238	0.11122	0.07314	0.07553	0.47481	0.06565	0.16373	0.11177	0.13998	0.51949
35	0.05147	0.10928	0.07187	0.07422	0.46654	0.06385	0.15925	0.10872	0.13616	0.50530
36	0.05038	0.10697	0.07034	0.07264	0.45665	0.06195	0.15450	0.10547	0.13209	0.49022
37	0.04912	0.10430	0.06858	0.07083	0.44523	0.05996	0.14953	0.10209	0.12785	0.47447
38	0.04771	0.10130	0.06662	0.06879	0.43243	0.05791	0.14443	0.09860	0.12348	0.45825
39	0.04616	0.09801	0.06445	0.06655	0.41837	0.05583	0.13923	0.09506	0.11905	0.44180
40	0.04449	0.09445	0.06212	0.06415	0.40322	0.05375	0.13405	0.09151	0.11461	0.42532
41	0.04271	0.09069	0.05964	0.06159	0.38716	0.05169	0.12891	0.08801	0.11022	0.40905
42	0.04087	0.08676	0.05706	0.05892	0.37039	0.04969	0.12392	0.08460	0.10595	0.39321
43	0.03896	0.08272	0.05439	0.05617	0.35311	0.04777	0.11913	0.08133	0.10185	0.37801
44	0.03703	0.07861	0.05169	0.05338	0.33558	0.04596	0.11462	0.07825	0.09800	0.36368
45	0.03509	0.07450	0.04899	0.05059	0.31805	0.04428	0.11044	0.07540	0.09442	0.35043
46	0.03318	0.07046	0.04633	0.04785	0.30079	0.04277	0.10668	0.07283	0.09121	0.33850
47	0.03135	0.06655	0.04376	0.04520	0.28410	0.04146	0.10341	0.07060	0.08841	0.32811
48	0.02960	0.06285	0.04134	0.04268	0.26831	0.04037	0.10069	0.06874	0.08608	0.31948
49	0.02800	0.05944	0.03909	0.04036	0.25375	0.03953	0.09860	0.06731	0.08430	0.31284
50	0.02657	0.05640	0.03709	0.03831	0.24078	0.03897	0.09720	0.06636	0.08311	0.30841
51	0.02535	0.05383	0.03540	0.03655	0.22979	0.03872	0.09658	0.06593	0.08257	0.30643
52	0.02440	0.05182	0.03407	0.03518	0.22119	0.03881	0.09679	0.06607	0.08276	0.30711
53	0.02377	0.05046	0.03318	0.03427	0.21540	0.03926	0.09792	0.06684	0.08372	0.31069
54	0.02349	0.04987	0.03279	0.03386	0.21288	0.04011	0.10003	0.06829	0.08553	0.31740
55	0.02362	0.05015	0.03299	0.03406	0.21411	0.04138	0.10321	0.07045	0.08824	0.32747
56	0.02422	0.05143	0.03382	0.03493	0.21957	0.04311	0.10751	0.07340	0.09192	0.34113
57	0.02535	0.05383	0.03540	0.03655	0.22980	0.04532	0.11302	0.07715	0.09663	0.35860
58	0.02707	0.05747	0.03779	0.03902	0.24533	0.04804	0.11980	0.08179	0.10243	0.38013
59	0.02943	0.06249	0.04109	0.04244	0.26675	0.05130	0.12794	0.08734	0.10939	0.40594
60	0.03251	0.06902	0.04539	0.04687	0.29465	0.05513	0.13750	0.09387	0.11756	0.43628
61	0.03637	0.07722	0.05079	0.05244	0.32964	0.05925	0.14777	0.10088	0.12634	0.46888
62	0.04109	0.08723	0.05737	0.05924	0.37238	0.06368	0.15882	0.10842	0.13579	0.50392
63	0.04641	0.09854	0.06480	0.06691	0.42066	0.06844	0.17068	0.11652	0.14593	0.54158
64	0.05243	0.11131	0.07321	0.07560	0.47520	0.07355	0.18344	0.12523	0.15684	0.58205
65	0.05923	0.12575	0.08270	0.08539	0.53681	0.07905	0.19715	0.13459	0.16856	0.62554

TABLE I5

TRANSFER RATES FROM TEMPORARY DISABILITY TO PERMANENT DISABILITY

(AGE NEAREST BIRTHDAY)

	OFFICER				ENLISTEE			
	Year of Retirement				Year of Retirement			
Age	One	Two	Three	Four	One	Two	Three	Four
16	0.04007	0.08302	0.06475	0.10203	0.01107	0.02434	0.01957	0.02861
17	0.04172	0.08644	0.06742	0.10624	0.01279	0.02812	0.02260	0.03305
18	0.04345	0.09001	0.07020	0.11062	0.01477	0.03247	0.02610	0.03817
19	0.04524	0.09372	0.07310	0.11518	0.01706	0.03750	0.03015	0.04408
20	0.04711	0.09759	0.07612	0.11994	0.01970	0.04331	0.03482	0.05092
21	0.04905	0.10162	0.07926	0.12488	0.02275	0.05003	0.04022	0.05881
22	0.05107	0.10581	0.08253	0.13004	0.02582	0.05677	0.04564	0.06673
23	0.05318	0.11017	0.08593	0.13540	0.02890	0.06353	0.05107	0.07468
24	0.05537	0.11472	0.08948	0.14099	0.03197	0.07029	0.05651	0.08263
25	0.05766	0.11945	0.09317	0.14681	0.03504	0.07705	0.06194	0.09057
26	0.06004	0.12438	0.09701	0.15286	0.03811	0.08378	0.06735	0.09848
27	0.06242	0.12931	0.10086	0.15892	0.04116	0.09049	0.07274	0.10636
28	0.06480	0.13424	0.10470	0.16498	0.04419	0.09714	0.07809	0.11419
29	0.06718	0.13917	0.10855	0.17104	0.04719	0.10375	0.08340	0.12195
30	0.06955	0.14410	0.11239	0.17709	0.05016	0.11029	0.08866	0.12964
31	0.07193	0.14902	0.11623	0.18315	0.05310	0.11675	0.09385	0.13723
32	0.07431	0.15395	0.12008	0.18921	0.05600	0.12312	0.09897	0.14472
33	0.07669	0.15888	0.12392	0.19526	0.05885	0.12939	0.10402	0.15209
34	0.07907	0.16381	0.12777	0.20132	0.06165	0.13555	0.10897	0.15934
35	0.08145	0.16874	0.13161	0.20738	0.06440	0.14159	0.11382	0.16644
36	0.08383	0.17367	0.13546	0.21344	0.06709	0.14750	0.11857	0.17338
37	0.08621	0.17860	0.13930	0.21949	0.06971	0.15327	0.12321	0.18016
38	0.08859	0.18353	0.14314	0.22555	0.07226	0.15888	0.12772	0.18676
39	0.09097	0.18845	0.14699	0.23161	0.07474	0.16433	0.13210	0.19316
40	0.09335	0.19338	0.15083	0.23767	0.07714	0.16961	0.13635	0.19937
41	0.09572	0.19831	0.15468	0.24372	0.07946	0.17470	0.14044	0.20536
42	0.09810	0.20324	0.15852	0.24978	0.08169	0.17960	0.14438	0.21112
43	0.10048	0.20817	0.16237	0.25584	0.08383	0.18430	0.14816	0.21664
44	0.10286	0.21310	0.16621	0.26189	0.08587	0.18878	0.15176	0.22191
45	0.10524	0.21803	0.17005	0.26795	0.08780	0.19304	0.15519	0.22692
46	0.10762	0.22295	0.17390	0.27401	0.08964	0.19707	0.15842	0.23165
47	0.11000	0.22788	0.17774	0.28007	0.09136	0.20086	0.16147	0.23610
48	0.11238	0.23281	0.18159	0.28612	0.09296	0.20439	0.16431	0.24025
49	0.11476	0.23774	0.18543	0.29218	0.09445	0.20766	0.16694	0.24410
50	0.11714	0.24267	0.18927	0.29824	0.09582	0.21066	0.16935	0.24762
51	0.11951	0.24760	0.19312	0.30430	0.09705	0.21337	0.17153	0.25082
52	0.12189	0.25253	0.19696	0.31035	0.09815	0.21580	0.17348	0.25367
53	0.12427	0.25746	0.20081	0.31641	0.09912	0.21792	0.17519	0.25616
54	0.12665	0.26238	0.20465	0.32247	0.09995	0.21974	0.17665	0.25830
55	0.12903	0.26731	0.20850	0.32852	0.10063	0.22123	0.17785	0.26005
56	0.13141	0.27224	0.21234	0.33458	0.10116	0.22240	0.17878	0.26142
57	0.13379	0.27717	0.21618	0.34064	0.10153	0.22323	0.17945	0.26240
58	0.13617	0.28210	0.22003	0.34670	0.10175	0.22371	0.17984	0.26296
59	0.13855	0.28703	0.22387	0.35275	0.10181	0.22383	0.17993	0.26310
60	0.14093	0.29196	0.22772	0.35881	0.10170	0.22358	0.17974	0.26282
61	0.14331	0.29688	0.23156	0.36487	0.10141	0.22296	0.17924	0.26209
62	0.14568	0.30181	0.23541	0.37093	0.10113	0.22235	0.17874	0.26136
63	0.14806	0.30674	0.23925	0.37698	0.10085	0.22173	0.17825	0.26064
64	0.15048	0.31175	0.24316	0.38314	0.10057	0.22112	0.17775	0.25992
65	0.15294	0.31684	0.24713	0.38940	0.10029	0.22050	0.17726	0.25919

TABLE I6

SURVIVOR REMARRIAGE RATES

(AGE NEAREST BIRTHDAY)

Age	Rate	Age	Rate
16	0.0634	41	0.0161
17	0.0634	42	0.0157
18	0.0634	43	0.0153
19	0.0634	44	0.0148
20	0.0634	45	0.0139
21	0.0634	46	0.0128
22	0.0634	47	0.0117
23	0.0634	48	0.0103
24	0.0634	49	0.0089
25	0.0634	50	0.0077
26	0.0634	51	0.0067
27	0.0598	52	0.0058
28	0.0573	53	0.0048
29	0.0558	54	0.0041
30	0.0548	55	0.0035
31	0.0538	56	0.0029
32	0.0523	57	0.0025
33	0.0500	58	0.0021
34	0.0465	59	0.0018
35	0.0418	60	0.0015
36	0.0362	61	0.0013
37	0.0303	62	0.0011
38	0.0248	63	0.0009
39	0.0205	64	0.0008
40	0.0175	65	0.0007

TABLE I7

SURVIVOR DEATH RATES

(AGE NEAREST BIRTHDAY)

Age	Rate	Age	Rate	Age	Rate
0	0.01316	40	0.00149	80	0.04577
1	0.00118	41	0.00162	81	0.04990
2	0.00077	42	0.00174	82	0.05450
3	0.00057	43	0.00185	83	0.05997
4	0.00043	44	0.00194	84	0.06602
5	0.00039	45	0.00202	85	0.07380
6	0.00036	46	0.00210	86	0.08353
7	0.00034	47	0.00222	87	0.09465
8	0.00030	48	0.00241	88	0.10565
9	0.00029	49	0.00262	89	0.11809
10	0.00029	50	0.00291	90	0.13068
11	0.00031	51	0.00325	91	0.14444
12	0.00033	52	0.00372	92	0.15955
13	0.00036	53	0.00425	93	0.17711
14	0.00043	54	0.00508	94	0.19415
15	0.00050	55	0.00584	95	0.21119
16	0.00051	56	0.00656	96	0.22781
17	0.00056	57	0.00716	97	0.24581
18	0.00059	58	0.00759	98	0.26216
19	0.00059	59	0.00785	99	0.27908
20	0.00059	60	0.00807	100	0.29740
21	0.00059	61	0.00855	101	0.31997
22	0.00059	62	0.00953	102	0.34281
23	0.00061	63	0.01083	103	0.36818
24	0.00061	64	0.01208	104	0.39267
25	0.00063	65	0.01303	105	0.41723
26	0.00065	66	0.01391	106	0.44075
27	0.00067	67	0.01492	107	0.46210
28	0.00070	68	0.01617	108	0.48333
29	0.00074	69	0.01764	109	0.50519
30	0.00081	70	0.01928		
31	0.00089	71	0.02110		
32	0.00095	72	0.02338		
33	0.00099	73	0.02573		
34	0.00103	74	0.02807		
35	0.00108	75	0.03003		
36	0.00114	76	0.03207		
37	0.00120	77	0.03472		
38	0.00129	78	0.03791		
39	0.00138	79	0.04173		

TABLE I8

OFFICER SPOUSES GENERATED PER SPONSOR

(AGE NEAREST BIRTHDAY)

Age	Active Nondisabled	Active Disabled	Reserve Nondisabled	Age	Active Nondisabled	Active Disabled	Reserve Nondisabled
16	0.00043	0.00124	0.00000	64	0.91347	0.75266	0.80736
17	0.00101	0.00291	0.00000	65	0.91809	0.76445	0.81049
18	0.00238	0.00685	0.00000	66	0.92177	0.77660	0.81359
19	0.00559	0.01611	0.00000	67	0.92450	0.78902	0.81665
20	0.01314	0.03788	0.00000	68	0.92629	0.76882	0.81966
21	0.03088	0.08907	0.00000	69	0.92712	0.77069	0.82264
22	0.07261	0.12000	0.00000	70	0.92698	0.77148	0.82558
23	0.17072	0.15452	0.00000	71	0.92584	0.77119	0.82848
24	0.26176	0.19580	0.00000	72	0.90660	0.76982	0.83134
25	0.34573	0.24173	0.00000	73	0.90391	0.76735	0.83417
26	0.42261	0.29094	0.00000	74	0.90002	0.76377	0.83696
27	0.49238	0.34170	0.00000	75	0.89483	0.75903	0.82715
28	0.55504	0.39225	0.00000	76	0.88823	0.75310	0.81865
29	0.61060	0.44097	0.00000	77	0.88013	0.74591	0.80916
30	0.65916	0.48655	0.00000	78	0.87042	0.73740	0.79861
31	0.70088	0.52805	0.00000	79	0.85895	0.72750	0.78692
32	0.73606	0.56495	0.00000	80	0.84561	0.71613	0.77399
33	0.76511	0.59699	0.00000	81	0.83025	0.70321	0.75973
34	0.78857	0.62419	0.00000	82	0.81271	0.68865	0.74406
35	0.80704	0.64670	0.00000	83	0.79288	0.67235	0.72689
36	0.82116	0.66475	0.00000	84	0.77059	0.65425	0.70813
37	0.82776	0.67858	0.00000	85	0.74572	0.63428	0.68772
38	0.82862	0.68842	0.00000	86	0.71818	0.61238	0.66561
39	0.82957	0.69445	0.00000	87	0.68791	0.58855	0.64176
40	0.83061	0.69678	0.00000	88	0.65490	0.56278	0.61617
41	0.83174	0.69423	0.00000	89	0.61926	0.53516	0.58889
42	0.83296	0.68683	0.00000	90	0.58116	0.50579	0.56000
43	0.83428	0.68027	0.00000	91	0.54089	0.47486	0.52964
44	0.83570	0.67458	0.00000	92	0.49887	0.44261	0.49798
45	0.83722	0.66979	0.00000	93	0.45565	0.40936	0.46528
46	0.83884	0.66593	0.00000	94	0.41184	0.37548	0.43182
47	0.84056	0.66300	0.00000	95	0.36818	0.34141	0.39795
48	0.84238	0.66103	0.00000	96	0.32541	0.30760	0.36404
49	0.84429	0.66002	0.00000	97	0.28426	0.27451	0.33048
50	0.84629	0.65998	0.00000	98	0.24540	0.24261	0.29767
51	0.84837	0.66091	0.00000	99	0.20936	0.21230	0.26598
52	0.85052	0.66279	0.00000	100	0.17655	0.18393	0.23576
53	0.85274	0.66563	0.00000	101	0.14721	0.15778	0.20730
54	0.85502	0.66941	0.00000	102	0.12142	0.13402	0.18082
55	0.85734	0.67412	0.00000	103	0.09911	0.11275	0.15649
56	0.85970	0.67973	0.00000	104	0.08011	0.09396	0.13440
57	0.86207	0.68622	0.00000	105	0.06414	0.07830	0.11456
58	0.86445	0.69355	0.00000	106	0.05090	0.06525	0.09695
59	0.86682	0.70169	0.00000	107	0.04110	0.05438	0.08148
60	0.88475	0.71058	0.79443	108	0.03129	0.04532	0.06848
61	0.89355	0.72019	0.79772	109	0.02498	0.03776	0.05755
62	0.90123	0.73045	0.80097	110	0.01867	0.03147	0.04837
63	0.90786	0.74130	0.80419				

TABLE I9

ENLISTEE SPOUSES GENERATED PER SPONSOR

(AGE NEAREST BIRTHDAY)

Age	Active Nondisabled	Active Disabled	Reserve Nondisabled	Age	Active Nondisabled	Active Disabled	Reserve Nondisabled
16	0.00053	0.00292	0.00000	64	0.84849	0.63746	0.78253
17	0.00282	0.01552	0.00000	65	0.85468	0.64740	0.78278
18	0.01495	0.08239	0.00000	66	0.85483	0.65805	0.78303
19	0.07936	0.12874	0.00000	67	0.85410	0.66938	0.78327
20	0.15919	0.18626	0.00000	68	0.85248	0.68133	0.78352
21	0.24351	0.25101	0.00000	69	0.84997	0.69385	0.78377
22	0.31899	0.31772	0.00000	70	0.84657	0.70687	0.78402
23	0.38409	0.38143	0.00000	71	0.84222	0.72031	0.78426
24	0.44021	0.43862	0.00000	72	0.83690	0.69333	0.78451
25	0.49055	0.48749	0.00000	73	0.83056	0.68671	0.78475
26	0.53299	0.52769	0.00000	74	0.82312	0.67951	0.78500
27	0.57013	0.55973	0.00000	75	0.81453	0.67174	0.77774
28	0.60179	0.58460	0.00000	76	0.80472	0.66338	0.76722
29	0.62575	0.60343	0.00000	77	0.79359	0.65440	0.75551
30	0.64597	0.61740	0.00000	78	0.78105	0.64481	0.74251
31	0.66453	0.62762	0.00000	79	0.76699	0.63458	0.72814
32	0.68053	0.63514	0.00000	80	0.75133	0.62369	0.71232
33	0.69323	0.64099	0.00000	81	0.73395	0.61216	0.69497
34	0.70346	0.64613	0.00000	82	0.71476	0.59996	0.67603
35	0.71204	0.65152	0.00000	83	0.69367	0.58709	0.65543
36	0.72000	0.65806	0.00000	84	0.67062	0.57356	0.63316
37	0.72133	0.66665	0.00000	85	0.64557	0.55936	0.60918
38	0.72907	0.68129	0.00000	86	0.61852	0.54451	0.58353
39	0.73628	0.66934	0.00000	87	0.58951	0.52903	0.55626
40	0.74298	0.65802	0.00000	88	0.55866	0.51293	0.52749
41	0.74921	0.64737	0.00000	89	0.52613	0.49624	0.49736
42	0.75502	0.63743	0.00000	90	0.49218	0.47901	0.46609
43	0.76043	0.62826	0.00000	91	0.45712	0.46127	0.43393
44	0.76547	0.61989	0.00000	92	0.42134	0.44307	0.40120
45	0.77017	0.61233	0.00000	93	0.38528	0.42448	0.36823
46	0.77454	0.60562	0.00000	94	0.34944	0.40557	0.33541
47	0.77859	0.59977	0.00000	95	0.31432	0.38640	0.30312
48	0.78233	0.59479	0.00000	96	0.28038	0.36705	0.27173
49	0.78574	0.59071	0.00000	97	0.24810	0.34762	0.24161
50	0.78882	0.58753	0.00000	98	0.21782	0.32819	0.21306
51	0.79155	0.58525	0.00000	99	0.18986	0.30885	0.18634
52	0.79389	0.58388	0.00000	100	0.16441	0.28970	0.16164
53	0.79579	0.58343	0.00000	101	0.14157	0.27083	0.13910
54	0.79721	0.58388	0.00000	102	0.12135	0.25233	0.11876
55	0.79809	0.58525	0.00000	103	0.10369	0.23429	0.10062
56	0.79838	0.58753	0.00000	104	0.08844	0.21678	0.08525
57	0.80152	0.59072	0.00000	105	0.07542	0.19988	0.07223
58	0.81259	0.59481	0.00000	106	0.06442	0.18365	0.06120
59	0.82215	0.59978	0.00000	107	0.05522	0.16815	0.05185
60	0.83024	0.60563	0.78154	108	0.04759	0.15342	0.04393
61	0.83688	0.61235	0.78179	109	0.04129	0.13950	0.03722
62	0.84211	0.61991	0.78203	110	0.03615	0.12683	0.03153
63	0.84597	0.62829	0.78228				

APPENDIX J

MISCELLANEOUS VALUATION PARAMETERS

Page

Description J-2

Table J1: Description of Miscellaneous Valuation Parameters J-3

HORGO is the computer program used to produce the population projections underlying the computation of the aggregate entry-age-normal costs and the unfunded liability. In addition to being affected by the external rates, HORGO has a number of internal parameters which affect its results. These parameters are simply summaries of recent experience. Examples include member-spouse age differences.

A description of the various valuation parameters by population is given in Table J1. Numerical values are also shown for selected items.

TABLE J1

DESCRIPTION OF MISCELLANEOUS VALUATION PARAMETERS

Item	Description/Value
Blow-up factors for the Selected Reserve transferring to inactive duty with 20 good years	The purpose of these factors is to account for (inactive) veterans who are not in the DoD data, but who have accumulated credits (on an unpaid basis) for 20 good years. The factor is the ratio of Individual Ready Reserve (IRR), Inactive National Guard (ING), and Standby Reserve to every Selected Reserve transferring to inactive duty with 20 good years. Factors are developed by officer/enlisted status, age, and years of active service.
Blow-up factors for Reserves transferring to retired pay status	The purpose of these factors is to account for inactive veterans who are not in the DoD data, but who have 20 good years and transfer to retired status. The factor is the ratio of IRR, ING, Standby Reserve, and other Reserve to known Reserves transferring to retired pay status. Factors are developed by officer/enlisted status, age, and years of active service.
Proportion of points based on active service	With respect to determining the normal cost using a new entrant group, this factor is used to shift part of the Reserve PVB to Active Duty. The amount shifted accounts for the portion of the benefit earned while Reserves are on AD. In the current valuation, 22.4% of the PVB for Reserves is allocated to AD.
Assumed age difference between military sponsor and survivor	In the current valuation, when sponsors die, surviving spouses are assumed three years younger than their sponsors (for Active Duty) and four years younger than their sponsors (for Reserves). This assumption is used when projecting future survivors. The valuation projects current survivors based on the survivors' ages.

TABLE J1 (continued)
DESCRIPTION OF MISCELLANEOUS VALUATION PARAMETERS

Item	Description/Value
First partial year adjustment to the per capita normal cost calculation	An additional adjustment is made to the denominator in the per capita NC calculation to account for the first partial year of service of the new entrants during the valuation year (so that as of the September 30 valuation date, they have on average ½ year of service). This adjustment aligns the new entrant NC calculation with the valuation decrement rates, which are developed on a completed-years-of-service basis.

APPENDIX K

GLOSSARY

Page

Terms ……. K-2

TERM / ACRONYM	DEFINITION
AL	Actuarial accrued liability or Actuarial liability; present value of future retirement benefits attributed to past service.
All Uniformed	Refers to the population containing DoD, Coast Guard (CG), Public Health Service (PHS), and National Oceanic and Atmospheric Administration (NOAA)
APG	Ambulatory patient group; workload measure for Direct Care Outpatient services
CMS	Center for Medicare and Medicaid Services
CPI	Consumer price index, or a scale that shows the annual change (trend) in prices for a market basket of goods and services. For the MERHCF valuation, CPI-W (CPI for wage earners) is used.
CV	Claim vector; an array of average costs by age. CVs for USFHP contain average capitation rates or global rates costs by age.
DC	Direct Care; care received at a military treatment facility (MTF)
DEERS	Defense Enrollment Eligibility Reporting System; system that stores demographic and benefit information on military members, their dependents and survivors.
DIEUS	Date of initial entry to uniformed services
Direct Care	Medical care received at an MTF.
Discount Rate	The single interest rate that is used to discount all projected benefit payments back to the actuarial valuation date; the rate that is used to compute the present value of future cash flows. For the MERHCF valuation, set equal to the assumed long term rate of return on fund investments.
DoD	U.S. Department of Defense
Endstrength	Count of military sponsors, usually as of the end of the month or year, unless an average endstrength is defined over a specified period.
FY	Fiscal year; October 1 – September 30.
FYE	Fiscal year end
Global Rate	A capitated rate; one rate that covers the full cost of providing care provided under USFHP
HA	Health Affairs; component of Military Health System; partner with TRICARE Management Activity (TMA)
HORGO	Name of population projection model for the health valuation; health version of GORGO, OACT's population projection

TERM / ACRONYM	DEFINITION
	program for the Military Retirement Fund
ID	Identification
ING	Inactive National Guard
IRR	Individual Ready Reserve
MERHCF	Medicare-Eligible Retiree Health Care Fund, or Fund
MTF	Military Treatment Facility; located on or near a military base.
NC	Normal cost; determined on a per capita basis, and multiplied by expected average annual strength to determine annual contribution to the MERHCF for the annual accrual cost
NDAA	National Defense Authorization Act
Nominal interest rate	Real interest rate adjusted for inflation
Non-USFHP	All TRICARE programs or members other than USFHP or other than members enrolled in USFHP.
OACT	DoD Office of the Actuary (unless stated otherwise)
PC	Purchased Care; care received in civilian settings
PCM	Primary care manager (plan feature of TRICARE Prime)
PCP	Primary care provider (plan feature of USFHP)
Purchased Care (PC)	Medical care received in the commercial setting (not in an MTF)
PVB	Present value of future benefits; also called PVFB.
PVFB	Present value of future benefits; also called PVB.
PVFNC	Present value of future normal costs
Real interest rate	The difference between the nominal interest rate and CPI; real rate of growth.
RWP	Relative weighted product; workload measure for Direct Care Inpatient services
Strength	Military head counts (or count of sponsors)
Sustainable Growth Rate System	A system, under current law, for establishing goals for the rate of growth in expenditures for physicians' services under Medicare
TFL	TRICARE for Life, the medical plan offered to retired members and their eligible spouses, dependents and survivors who are eligible for Medicare.
TMA	TRICARE Management Activity; a component of the Military Health System, and a field activity of the

TERM / ACRONYM	DEFINITION
	Undersecretary of Defense for Personnel and Readiness; formally established under Department of Defense (DoD) Directive 5136.12 on May 31, 2001
TYA	TRICARE Young Adult, the medical program offered on a nonsubsidized basis to unmarried children under age 26 who do not satisfy the eligibility conditions for subsidized TRICARE coverage and who do not have access to employer sponsored health care coverage.
UFL	Unfunded liability; AL minus Assets
U.S.C.	United States Code; the general and permanent laws of the United States. Published by the Office of the Law Revision Counsel of the U.S. House of Representatives.
USFHP	US Family Health Plan; a TRICARE medical plan with a managed care design (like TRICARE Prime). USFHP serves Uniformed Services families. Enrollment is required for participation in the plan, and members must reside within the provider service area. Unlike other TRICARE plans, this plan does not coordinate with Medicare (Medicare is not primary payer).
Val	Valuation