VALUATION OF THE MEDICARE-ELIGIBLE RETIREE HEALTH CARE FUND

SEPTEMBER 30, 2010

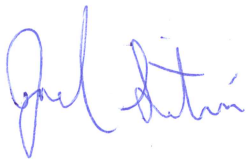# ACTUARIAL CERTIFICATION

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, 2010, and the FY 2013 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 an 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, 2010, MERHCF valuation (2010 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 2010 valuation uses census population data as of September 30, 2010, aggregate claims data for FY 2010, and detailed claims data from fiscal years 2007 to 2009 (each fiscal year runs from October 1st through September 30th). The 2010 valuation produces AL and UFL figures as of September 30, 2010, an UFL amortization payment for October 1, 2011, and per capita NCs from FY 2011 that are projected to FY 2013. The total October 1, 2011, Treasury payment is the sum of the October 1, 2011, UFL amortization payment and the October 1, 2011, Treasury NC payment. The October 1, 2011, NC payment is a function of FY 2012 per capita NC amounts promulgated by the MERHCF Board in 2010, as well as budgeted average force strengths for FY 2012. 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, 2010	$440,341	$165,983	$274,358

TABLE 2

TREASURY PAYMENT
($ millions)

Payable	UFL Amortization	NC	Total
October 1, 2011	$6,716	$11,145	$17,861

TABLE 3

PER CAPITA NORMAL COSTS FOR FY 2013

For NC Payment Made	Active Duty	Reserve
October 1, 2012	$4,702	$2,597

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, 2010
($ millions)

PVFB	$513,357
PVFNC	$73,016
AL	$440,341
Fund	$165,983
UFL	$274,358

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, 2010; Table 6 presents a statement of changes in the actuarial value of assets.

TABLE 5

STATEMENT OF ACTUARIAL VALUE OF ASSETS AS OF SEPTEMBER 30, 2010
($ millions)

Assets at book value	$166,962
Account payable	$304
IBNR	$676
Actuarial value of assets	$165,983

TABLE 6

FY 2010 STATEMENT OF CHANGES IN THE ACTUARIAL VALUE OF ASSETS
($ millions)

Actuarial value of assets, beginning of plan year	$147,890
Contributions	
Amortization of UFL	$10,006
Normal Cost	$11,096
Investment income	$5,319
Total additions	$26,420
Less: Benefit payments	$8,327
Actuarial value of assets, end of plan year	$165,983

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, 2010
($ millions)

Non-marketable, market-based securities	$182,212
Interest receivable	$1,769
Fund balance with Treasury	$196
Accounts receivable	$563
Total market-based value of assets	$184,740

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, 2010, 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, 2009 (actual)	$488,769	$147,890	$340,879
September 30, 2010 (expected)	$518,284	$168,385	$349,898
September 30, 2010 (actual)	$440,341	$165,983	$274,358
(Gain)/Loss			**($75,540)**

TABLE 9

SEPTEMBER 30, 2010 ASSET AND LIABLITY (GAIN)/LOSS SUMMARY
($ millions)

	Liability	Asset	Total
Experience	($7,751)	$2,403	($5,349)
Assumption	($59,780)		($59,780)
Plan Change	($10,411)		($10,411)
Total	($77,943)	$2,403	**($75,540)**

	(Gain)/Loss expressed as a % of September 30, 2010 AL		
	Liability	Asset	Total
Experience	-1.8%	0.5%	-1.2%
Assumption	-13.6%		-13.6%
Plan Change	-2.4%		-2.4%
Total	-17.7%	0.5%	**-17.2%**

TABLE 10

CHANGE IN UNFUNDED LIABILITY
($ millions)

1.	Actual Unfunded Accrued Liability, 9/30/2010	$274,358	62.3%
2.	Expected Unfunded Accrued Liability, 9/30/2010	$349,898	79.5%
3.	Total (Gain)/Loss	($75,540)	17.2%
	a. Total experience (gain)/loss	($5,349)	1.2%
	Census	$2,135	0.5%
	Claims	($9,886)	2.2%
	Asset	$2,403	1.4%
	b. Total benefit change (gain)/loss	($10,411)	2.4%
	c. Total assumption (gain)/loss	($59,780)	13.6%
	Discount rate	$0	0.0%
	Medical trend rates	($63,216)	14.4%
	Plan participation rates	($2,058)	0.5%
	Claim vectors, admin and Rx rebate assumption	($5,852)	1.3%
	Mortality	$10,372	2.4%
	Other demographic rates	$973	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 50 years, 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.

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, 2010, 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.

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, 2010, 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, 2010

DoD	
Active Duty	1,493,233
Reserve	773,286
Coast Guard	
Active Duty	41,818
Reserve	7,601
PHS Active Duty	6,584
NOAA Active Duty	324
Total	
Active Duty	1,541,959
Reserve	780,887

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 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 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 2007, 2008 and 2009. The data were used to develop claim vectors (CVs), and aggregate 2010 claims data were completed and used to adjust the CVs to 2010 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 US Family Health Plan, 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.

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 09/30/2010 ($ thousands)	$440,341	$557,788	$352,883
Per Capita Normal Cost for FY 2013			
Active Duty	$4,702	$7,644	$2,895
Reserve	$2,597	$4,043	$1,661

APPENDIX A

ELIGIBILITY AND PLAN PROVISIONS

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

Dependent Eligibility
Effective May 1, 2011, 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 Prime or Standard coverage as part of the TRICARE Young Adult program (TYA) . Since the TYA program is not subsidized, and few, if any young adults in the program are expected to be Medicare eligible, this plan change does not directly impact the valuation results. Going forward, care must be taken to distinguish TYA beneficiaries to properly compute average claims costs and claim vectors.

Pharmacy Copayments
Effective October 1, 2011 (as per the 2012 President's Budget), Retail and Mail Order prescription copayments were updated as follows:

	Retail	Mail Order
Tier 1 (generic)	$5	$0
Tier 2 (formulary brand)	$12	$9
Tier 3 (non-formulary)	$25	$25

Enrollment Fees
Effective October 1, 2011 (FY 2012), TRICARE Prime (including USFHP) annual enrollment fees for nonMedicare retirees increased from $230 individual / $460 family to $260 individual / $520 family.

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 purchased

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). A transitional surviving dependent child maintains transitional survivor status until the child reaches the eligibility age limit or marries, if earlier. 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 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 TRICARE.	Military Treatment Facility ▪ No charge Host Nation Provider ▪ 25% of billed charges after the annual

	TRICARE For Life	TRICARE For Life (while in an overseas area that doesn't have Medicare)
	§ 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	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 § 151+ 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 for details) Host Nation Provider § $535 per day or 25% for institutional services, whichever is less, plus 25% for separately billed services

	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	
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 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	Services Covered by TRICARE and Medicare	Military Treatment Facility

	TRICARE For Life	TRICARE For Life (while in an overseas area that doesn't have Medicare)

Behavioral Health Care	▪ 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
		▪ 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
	
	  ▪ 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
		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

	TRICARE For Life	TRICARE For Life (while in an overseas area that doesn't have Medicare)
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 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 USFHPs offers its own prescription drug plan.

	TRICARE Prime	US Family Health 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	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
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 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	▪ $12 per visit ▪ $0 if enrolled in Medicare Part B

	TRICARE Prime	US Family Health Plan
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 Non-network Provider ▪ $30 per visit	▪ $30 per visit ▪ $0 if enrolled in Medicare Part B
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

	TRICARE Prime	US Family Health Plan
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
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)

	TRICARE Prime	US Family Health Plan
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: ▪ <u>Brighton Marine Health Center</u> Serving Massachusetts (including Cape Cod), northern Connecticut, southern New Hampshire and Rhode Island ▪ <u>CHRISTUS Health</u> Serving southeast Texas and southwest Louisiana ▪ <u>Johns Hopkins Medicine</u> Serving central Maryland, Washington DC and parts of Pennsylvania, Virginia and West Virginia ▪ <u>Martin's Point Health Care</u> Serving Maine, Vermont, New Hampshire and northeastern New York ▪ <u>PacMed Clinics</u> Serving the Puget Sound area of Washington State ▪ <u>Saint Vincent Catholic Medical Centers</u> Serving parts of New York, all of New Jersey, eastern Pennsylvania and southern Connecticut

APPENDIX B

SUPPLEMENTAL VALUATION RESULTS

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, 2010 MERHCF ACTUARIAL LIABILITY BY BENEFIT TYPE

($millions)

	Direct Care	Purchased Care	Total	Proportion of Total DC	PC	Total
Inpatient	$18,112	$41,794	$59,906	4.1%	9.5%	13.6%
Outpatient	$22,166	$121,022	$143,188	5.0%	27.5%	32.5%
Pharmacy	$21,483	$176,283	$197,766	4.9%	40.0%	44.9%
USFHP	$0	$39,481	$39,481	0.0%	9.0%	9.0%
Total	$61,761	$378,580	$440,341	14.0%	86.0%	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, 2010 MERHCF ACTUARIAL LIABILITY BY SPONSOR STATUS

($millions)

	Active Duty		
	DC	PC	Total
In-service	$13,366	$67,614	$80,980
Inactive	$41,453	$206,996	$248,449
Total	$54,819	$274,610	$329,429
	Reserve		
	DC	PC	Total
In-service	$4,317	$67,837	$72,153
Inactive	$2,625	$36,133	$38,758
Total	$6,942	$103,970	$110,912
	Total		
	DC	PC	Total
In-service	$17,683	$135,451	$153,134
Inactive	$44,078	$243,129	$287,207
Total	$61,761	$378,580	$440,341

TABLE B3

FY 2013 MERHCF PER CAPITA ACTIVE DUTY NORMAL COST

	Direct Care	Purchased Care	Total	Proportion of Total		
				DC	PC	Total
Inpatient	$202	$406	$608	4.3%	8.6%	12.9%
Outpatient	$279	$1,333	$1,612	5.9%	28.4%	34.3%
Pharmacy	$230	$1,858	$2,087	4.9%	39.5%	44.4%
USFHP	$0	$395	$395	0.0%	8.4%	8.4%
Total	$711	$3,991	$4,702	15.1%	84.9%	100.0%

TABLE B4

FY 2013 MERHCF PER CAPITA RESERVE NORMAL COST

	Direct Care	Purchased Care	Total	Proportion of Total		
				DC	PC	Total
Inpatient	$30	$215	$245	1.2%	8.3%	9.5%
Outpatient	$42	$765	$806	1.6%	29.4%	31.0%
Pharmacy	$81	$1,193	$1,274	3.1%	46.0%	49.1%
USFHP	$0	$271	$271	0.0%	10.4%	10.4%
Total	$153	$2,444	$2,597	5.9%	94.1%	100.0%

TABLE B5

SEPTEMBER 30, 2010 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
	09/30/09	$488,769		FY12	$5,580		$3,260			
0	09/30/10	$518,284	6.04%	FY13	$5,928	6.25%	$3,464	6.25%	$29,515	Expected
1	09/30/10	$520,419	0.41%	FY13	$5,928	0.00%	$3,464	0.00%	$2,135	Experience
2	09/30/10	$522,103	0.32%	FY13	$5,950	0.36%	$3,474	0.30%	$1,685	Assumption
3	09/30/10	$523,076	0.19%	FY13	$6,276	5.49%	$3,474	0.00%	$973	Assumption
4	09/30/10	$531,764	1.66%	FY13	$6,401	1.99%	$3,523	1.41%	$8,688	Assumption
5	09/30/10	$521,878	-1.86%	FY13	$6,285	-1.82%	$3,452	-2.04%	($9,886)	Experience
6	09/30/10	$521,493	-0.07%	FY13	$6,280	-0.07%	$3,450	-0.03%	($385)	Assumption
7	09/30/10	$519,435	-0.39%	FY13	$6,255	-0.40%	$3,435	-0.45%	($2,058)	Assumption
8	09/30/10	$513,968	-1.05%	FY13	$6,199	-0.90%	$3,400	-1.03%	($5,467)	Assumption
9	09/30/10	$450,752	-12.30%	FY13	$4,814	-22.34%	$2,670	-21.46%	($63,216)	Assumption
10	09/30/10	$440,341	-2.31%	FY13	$4,702	-2.32%	$2,597	-2.73%	($10,411)	Benefit Change

A description of the steps shown in Table B5 follows.

0.   Expected results on September 30, 2010, based on a roll-forward of September 30, 2009, valuation results.

1.   Bring in new census data (as of September 30, 2010).

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

3.   Update Active Duty sponsor rates (all rates in Appendix G).

4.   Update mortality rates of nondisabled retirees.

5.   Calibrate 2010 cash flow generated by the model to actual 2009 incurred cost levels (both Purchased Care and Direct Care).

6.   Update administration cost loads.

7.   Update plan participation rates.

8.   Update retail pharmacy drug rebate assumption.

9.   Update medical trend rates.

10.   Plan Change: update retail and mail order drug copays.

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[1] Mortality improvement factors are based on Scale AA a trend created by the Society of Actuaries in 1995 to project the 1994 Uninsured Pensioner Mortality Table (UP-94). It is based on Civil Service and Social Security 1977-1993 experience.

TABLE B6

SEPTEMBER 30, 2010 MERHCF ASSET (GAIN)/LOSS

($millions)

	(G)/L	% of 9/30/10 Fund
1. Incurred benefit payments vs. expected	($466)	-0.3%
2. Implemented per capita NCs vs. expected	($1,392)	-0.8%
3. Force strengths vs. expected	$97	0.1%
4. Unexpected, nonrecurring deposit	$0	0.0%
5. Yield vs. expected	$4,164	2.5%
6. Total	$2,403	1.4%

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	$19,715	($9,601)	($495)	($2,651)	$6,968
2013	$20,454	($9,962)	($514)	($2,751)	$7,227
2014	$21,221	($10,335)	($533)	($2,854)	$7,499
2015	$22,017	($10,723)	($553)	($2,961)	$7,780
2016	$22,843	($11,125)	($574)	($3,072)	$8,072
2017	$23,700	($11,542)	($596)	($3,187)	$8,375
2018	$24,588	($11,975)	($618)	($3,306)	$8,689
2019	$25,510	($12,424)	($641)	($3,430)	$9,015
2020	$26,467	($12,890)	($665)	($3,559)	$9,353
2021	$27,459	($13,373)	($690)	($3,692)	$9,704
2022	$28,489	($13,874)	($716)	($3,831)	$10,068
2023	$29,558	($14,395)	($743)	($3,975)	$10,445
2024	$30,666	($14,935)	($771)	($4,124)	$10,836
2025	$31,816	($15,495)	($799)	($4,278)	$11,244
2026	$33,009	($16,076)	($829)	($4,439)	$11,665
2027	$34,247	($16,678)	($861)	($4,605)	$12,103
2028	$35,531	($17,304)	($893)	($4,778)	$12,556
2029	$36,864	($17,953)	($926)	($4,957)	$13,028
2030	$38,246	($18,626)	($961)	($5,143)	$13,516
2031	$39,680	($19,324)	($997)	($5,336)	$14,023
2032	$41,168	($20,049)	($1,035)	($5,536)	$14,548
2033	$42,712	($20,801)	($1,073)	($5,743)	$15,095
2034	$44,314	($21,581)	($1,114)	($5,959)	$15,660
2035	$45,975	($22,390)	($1,155)	($6,182)	$16,248
2036	$47,700	($23,230)	($1,199)	($6,414)	$16,857
2037	$49,488	($24,100)	($1,243)	($6,655)	$17,490
2038	$51,344	($12,100)	($1,290)	($2,141)	$35,813
2039	$53,270	$0	($1,339)	$0	$51,931
2040	$55,267	$0	($1,388)	$0	$53,879
2041	$57,340	$0	$0	$0	$57,340
2042	$59,490	$0	$0	$0	$59,490
2043	$61,721	$0	$0	$0	$61,721
2044	$64,035	$0	$0	$0	$64,035
2045	$66,436	$0	$0	$0	$66,436
2046	$68,928	$0	$0	$0	$68,928
2047	$71,513	$0	$0	$0	$71,513
2048	$74,194	$0	$0	$0	$74,194
2049	$76,977	$0	$0	$0	$76,977
2050	$79,863	$0	$0	$0	$79,863
2051	$82,858	$0	$0	$0	$82,858
2052	$0	$0	$0	$0	$0

TABLE B8
PAST AND PROJECTED MERHCF UNFUNDED LIABILITY 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	($199,783)	($11,010)	($54,898)	$279,786
2012	$556,746	($201,484)	($11,137)	($55,353)	$288,772
2013	$567,910	($202,916)	($11,254)	($55,732)	$298,008
2014	$578,935	($204,049)	($11,358)	($56,028)	$307,501
2015	$589,783	($204,853)	($11,447)	($56,231)	$317,252
2016	$600,412	($205,292)	($11,521)	($56,333)	$327,266
2017	$610,779	($205,332)	($11,576)	($56,324)	$337,548
2018	$620,837	($204,933)	($11,612)	($56,192)	$348,100
2019	$630,533	($204,053)	($11,626)	($55,927)	$358,928
2020	$639,812	($202,647)	($11,616)	($55,515)	$370,033
2021	$648,612	($200,668)	($11,581)	($54,944)	$381,419
2022	$656,869	($198,065)	($11,517)	($54,199)	$393,088
2023	$664,512	($194,782)	($11,422)	($53,264)	$405,044
2024	$671,464	($190,759)	($11,293)	($52,123)	$417,288
2025	$677,644	($185,934)	($11,127)	($50,759)	$429,823
2026	$682,963	($180,239)	($10,922)	($49,154)	$442,648
2027	$687,326	($173,603)	($10,674)	($47,286)	$455,764
2028	$690,631	($165,948)	($10,377)	($45,135)	$469,172
2029	$692,769	($157,191)	($10,029)	($42,678)	$482,871
2030	$693,619	($147,244)	($9,627)	($39,890)	$496,859
2031	$693,057	($136,014)	($9,164)	($36,744)	$511,135
2032	$690,946	($123,399)	($8,636)	($33,214)	$525,696
2033	$687,140	($109,293)	($8,039)	($29,270)	$540,539
2034	$681,483	($93,580)	($7,366)	($24,880)	$555,657
2035	$673,806	($76,139)	($6,612)	($20,009)	$571,047
2036	$663,932	($56,840)	($5,770)	($14,622)	$586,700
2037	$651,665	($35,542)	($4,834)	($8,680)	$602,609
2038	$636,802	($12,100)	($3,798)	($2,141)	$618,763
2039	$619,122	$0	($2,652)	$0	$616,470
2040	$598,388	$0	($1,388)	$0	$597,000
2041	$574,351	$0	$0	$0	$574,351
2042	$546,739	$0	$0	$0	$546,739
2043	$515,266	$0	$0	$0	$515,266
2044	$479,624	$0	$0	$0	$479,624
2045	$439,485	$0	$0	$0	$439,485
2046	$394,499	$0	$0	$0	$394,499
2047	$344,292	$0	$0	$0	$344,292
2048	$288,464	$0	$0	$0	$288,464
2049	$226,590	$0	$0	$0	$226,590
2050	$158,216	$0	$0	$0	$158,216
2051	$82,858	$0	$0	$0	$82,858
2052	$0	$0	$0	$0	$0

APPENDIX C

VALUATION POPULATION DATA

DESCRIPTION OF POPULATION TABLES

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.

<u>DoD and All Uniformed Military Personnel</u>
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 (reservists who already have 20 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.

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 2010. Note that the total active duty strength in table C5 ties to the FY 2010 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 2010. Note that the total selected reserve strength in table C8 ties to the FY 2010 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 2010. Note that the total non-selected reserve strength in table C11 ties to the FY 2010 DoD non-selected reserve strength shown in Table C1.

<u>DoD and All Uniformed Retirees and Surviving Spouses</u>
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 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 active duty disability vs. reserve status as of the end of FY 2010. 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 2010 (All Uniformed) spouse survivors shown in Table C2.

TABLE C1

ACTIVE DUTY AND SELECTED RESERVE AS OF 9/30/2009 AND 9/30/2010

ALL UNIFORMED

	FYE 2009	FYE 2010	09 to 10 Increase
DoD			
Active Duty	1,480,142	1,493,233	0.9%
Selected Reserve	770,656	773,286	0.3%
Non-selected Reserve	223,901	220,120	-1.7%
Coast Guard			
Active Duty	42,842	41,818	-2.4%
Selected Reserve	8,124	7,601	-6.4%
Non-selected Reserve	6,402	5,395	-15.7%
PHS Active Duty	6,310	6,584	4.3%
NOAA Active Duty	313	324	3.5%
TOTAL			
Active Duty	1,529,607	1,541,959	0.8%
Selected Reserve	778,780	780,887	0.3%
Non-selected Reserve	230,303	225,515	-2.1%

TABLE C2

ELIGIBLE RETIRED BENEFICIARIES AS OF 9/30/2009 AND 9/30/2010

ALL UNIFORMED

	FYE 2009 [1]	FYE 2010	09 to 10 Increase
Retired Sponsors			
Total	2,066,579	2,080,724 [2]	0.7%
Medicare-eligible	976,243	990,189	1.4%
Spouses of Retirees			
Total	1,623,333	1,627,895	0.3%
Medicare-eligible	609,840	619,313	1.6%
Children of Retirees			
Total	782,376	773,663	-1.1%
Medicare-eligible	7,433	7,545	1.5%
Other Dependents of Retirees			
Total	5,263	5,416	2.9%
Medicare-eligible	4,293	4,478	4.3%
Survivors			
Total Spouses	540,839	551,957	2.1%
Total Children	41,177	40,839	-0.8%
Total Other	332	348	4.8%
Medicare-eligible Spouses	445,162	457,222	2.7%
Medicare-eligible Children	5,751	5,874	2.1%
Medicare-eligible Other	282	293	3.9%
Retirees, Dependents, Survivors			
Total	5,059,899	5,080,842	0.4%
Medicare-eligible	2,049,004	2,084,914	1.8%

[1] 2009 counts have been restated to reflect a revised program for identifying duplicates in the data.

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

TABLE C3

DOD ACTIVE DUTY OFFICERS BY AGE AND YEARS OF SERVICE FOR THE FY 2010 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	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	0	1
20	3	1	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	0	0	0	0	6
21	27	6	3	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	0	0	0	38
22	1,797	43	11	6	10	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	1,868
23	3,522	2,109	96	22	15	14	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	5,779
24	2,043	4,123	2,271	107	41	28	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,633
25	926	2,082	4,238	2,403	113	52	65	42	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,927
26	767	1,046	1,945	4,392	2,213	114	107	111	78	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,774
27	706	771	919	1,966	3,889	1,888	169	160	156	105	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,730
28	506	790	762	837	1,729	3,479	1,753	249	197	265	187	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,757
29	367	491	747	675	749	1,628	2,968	1,577	224	221	360	228	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,236
30	274	388	486	722	706	759	1,544	2,682	1,504	275	312	426	305	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,389
31	226	311	358	461	645	765	878	1,546	2,316	1,329	361	407	615	325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,543
32	171	200	279	342	444	572	678	816	1,327	2,068	1,278	303	414	601	287	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,781
33	129	158	196	229	320	429	606	700	777	1,268	1,996	1,217	345	494	588	276	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,731
34	113	124	181	201	265	311	405	604	630	698	1,214	1,785	1,210	422	545	532	244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,484
35	90	106	144	153	159	260	320	446	555	552	656	1,206	1,753	1,284	442	489	598	287	2	0	0	0	0	0	0	0	0	0	0	0	0	9,502
36	87	101	105	136	142	185	259	348	417	545	585	644	1,165	1,717	1,212	433	535	609	296	1	0	0	0	0	0	0	0	0	0	0	0	9,522
37	60	69	83	107	123	148	213	235	361	378	471	571	691	1,110	1,716	1,265	454	610	681	272	2	0	0	0	0	0	0	0	0	0	0	9,620
38	44	69	76	82	95	125	181	197	259	285	350	473	564	726	1,088	1,717	1,300	503	605	634	342	2	0	0	0	0	0	0	0	0	0	9,717
39	53	75	68	95	90	127	118	171	228	232	266	313	467	607	784	1,155	1,855	1,314	534	582	675	372	1	0	0	0	0	0	0	0	0	10,182
40	48	58	74	84	64	97	144	161	179	200	249	293	325	499	609	748	1,284	1,953	1,437	558	517	696	337	5	0	0	0	0	0	0	0	10,619
41	42	56	56	60	80	80	120	136	158	170	194	218	266	305	472	553	780	1,309	1,882	1,280	410	478	554	277	3	0	0	0	0	0	0	9,939
42	35	29	46	45	64	72	85	130	144	178	160	166	221	243	320	414	508	736	1,259	1,691	1,042	350	419	476	226	4	0	0	0	0	0	9,063
43	21	42	42	54	45	49	78	89	117	120	121	124	178	217	225	291	362	551	676	1,247	1,338	953	295	344	373	181	2	0	0	0	0	8,135
44	13	17	41	46	45	47	56	83	105	109	100	103	139	132	170	218	275	366	554	680	879	1,327	767	234	271	311	116	1	0	0	0	7,205
45	19	23	31	28	34	45	71	65	58	79	103	101	111	148	136	177	207	278	425	489	499	913	996	642	187	248	260	92	1	0	0	6,466
46	16	20	22	31	34	31	45	76	61	76	80	91	106	118	118	170	178	194	285	381	395	477	720	868	621	150	205	221	79	5	0	5,874
47	15	19	16	18	24	30	41	57	55	47	50	72	83	89	87	124	139	166	218	301	320	392	418	500	742	515	137	151	144	86	1	5,057
48	10	14	25	18	15	35	37	39	50	55	52	69	77	71	102	79	117	131	162	220	199	250	284	302	436	615	412	106	115	102	55	4,254
49	17	11	11	15	22	9	23	28	32	47	46	52	50	56	72	100	80	90	137	184	135	145	208	224	266	354	466	356	88	92	77	3,493
50	5	7	18	10	21	15	20	20	22	25	39	44	33	48	42	73	62	100	105	126	99	127	120	161	194	197	252	360	293	51	124	2,813
51	13	4	8	11	15	7	15	16	15	19	27	32	22	30	45	54	46	70	83	91	85	91	80	95	137	156	129	202	263	197	137	2,195
52	8	10	2	10	10	16	16	13	18	12	16	32	30	32	34	42	40	57	67	75	55	81	59	83	91	117	120	95	131	218	221	1,811
53	6	6	8	7	12	7	12	11	9	12	19	16	17	23	19	32	33	45	54	56	64	32	45	58	65	75	73	85	100	104	269	1,374
54	10	11	12	6	3	8	3	13	8	5	13	13	13	19	20	32	28	35	53	66	50	52	65	31	57	49	62	72	62	66	213	1,156
55	9	11	8	4	3	8	3	6	6	11	7	14	13	12	11	16	20	26	41	39	44	49	28	33	36	35	47	55	59	58	167	879
56	3	9	4	1	2	3	7	3	5	13	11	4	10	6	6	16	15	21	30	38	29	30	24	28	33	35	32	34	38	50	130	670
57	3	6	6	6	0	0	6	6	8	5	6	11	4	9	7	12	9	15	37	30	22	24	17	15	25	27	25	28	32	29	134	564
58	0	5	3	5	3	2	2	4	4	2	6	7	3	3	6	8	6	18	24	24	27	20	18	12	24	16	24	26	22	24	100	448
59	4	3	6	2	4	3	2	4	2	3	3	1	6	7	4	5	6	18	10	17	25	16	16	12	10	26	13	18	13	18	78	355
60+	9	26	17	8	5	9	7	11	13	6	6	9	8	7	13	8	19	30	27	44	35	32	26	21	26	23	33	35	23	21	149	706
Total	12,217	13,450	13,427	13,407	12,252	11,458	11,085	10,855	10,103	9,417	9,345	9,048	9,245	9,366	9,180	9,040	9,203	9,532	9,684	9,126	7,288	6,909	5,497	4,421	3,823	3,134	2,408	1,937	1,463	1,121	1,855	250,296

Notes: Numbers have been adjusted to budget.

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 2010 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	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	19
18	9,599	25	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	9,624
19	29,411	10,515	161	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	40,087
20	30,285	29,706	13,031	174	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	73,196
21	21,051	27,233	31,781	11,635	105	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	0	91,807
22	14,632	18,774	25,670	28,054	8,292	78	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	95,500
23	11,113	13,503	17,359	22,238	20,269	5,868	37	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90,388
24	8,557	10,048	12,663	15,102	17,039	15,048	5,822	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84,310
25	6,722	7,698	9,257	10,800	12,020	12,982	14,589	5,434	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79,523
26	4,709	5,726	6,781	7,890	8,338	8,053	12,516	12,774	4,717	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71,546
27	3,402	3,891	4,755	5,703	6,096	5,842	8,257	10,056	10,463	4,672	37	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63,176
28	2,642	2,922	3,461	4,154	4,652	4,394	5,966	6,926	7,780	9,699	4,400	34	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57,031
29	1,886	2,182	2,578	2,992	3,335	3,369	4,409	4,926	5,318	7,004	8,819	3,681	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,521
30	1,458	1,608	1,904	2,126	2,432	2,460	3,333	3,633	3,817	4,567	6,397	7,978	3,298	24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45,036
31	1,103	1,110	1,428	1,688	1,780	1,747	2,483	2,804	2,940	3,319	4,232	5,963	7,327	2,748	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40,686
32	907	891	994	1,191	1,301	1,382	1,856	2,100	2,268	2,384	2,926	3,802	5,699	6,237	2,225	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36,169
33	760	665	820	919	1,039	1,008	1,384	1,622	1,672	1,764	2,086	2,666	3,763	5,312	5,277	1,901	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32,663
34	548	547	631	733	819	802	1,090	1,176	1,240	1,386	1,589	1,989	2,596	3,606	4,729	4,549	1,800	2	0	0	0	0	0	0	0	0	0	0	0	0	0	29,832
35	555	456	519	567	593	618	851	949	1,025	1,080	1,210	1,457	1,858	2,468	3,162	4,123	4,632	1,851	5	0	0	0	0	0	0	0	0	0	0	0	0	27,979
36	409	420	468	499	526	504	660	728	775	874	931	1,191	1,419	1,870	2,252	2,919	4,161	4,665	1,929	4	0	0	0	0	0	0	0	0	0	0	0	27,204
37	307	350	380	410	406	428	537	593	636	638	692	856	1,104	1,432	1,641	1,973	2,732	4,602	4,791	1,811	11	1	0	0	0	0	0	0	0	0	0	26,331
38	312	267	287	421	391	397	490	478	508	560	605	705	865	1,122	1,291	1,550	1,981	3,069	4,515	4,453	1,582	8	0	0	0	0	0	0	0	0	0	25,857
39	261	258	266	303	392	344	464	420	446	425	540	639	710	881	1,026	1,202	1,453	2,153	3,195	4,183	3,647	1,422	2	0	0	0	0	0	0	0	0	24,632
40	231	221	226	300	276	352	430	446	416	377	434	536	660	744	879	957	1,201	1,593	2,324	2,956	2,981	3,064	1,032	4	0	0	0	0	0	0	0	22,640
41	192	178	208	208	209	201	385	372	373	353	383	404	481	592	626	699	859	1,103	1,610	1,911	1,756	2,437	2,112	908	2	0	0	0	0	0	0	18,562
42	172	160	168	211	185	140	204	341	345	271	283	347	371	409	500	510	605	856	1,251	1,347	1,175	1,475	1,679	1,772	672	3	0	0	0	0	0	15,452
43	67	133	135	185	144	118	152	206	228	261	275	292	327	344	407	411	457	619	890	1,069	875	944	941	1,411	1,276	497	2	0	0	0	0	12,666
44	40	50	157	153	139	88	127	148	167	215	242	256	266	312	339	341	372	476	661	856	677	699	702	957	1,015	988	257	0	0	0	0	10,700
45	30	15	55	132	99	89	97	99	136	166	227	216	267	229	279	295	311	429	484	666	518	608	523	696	753	780	571	194	1	0	0	8,965
46	28	20	18	64	90	85	92	100	113	118	118	197	180	222	231	255	285	359	414	526	412	476	409	491	530	523	498	457	178	3	0	7,492
47	22	16	23	26	39	65	77	92	76	84	97	122	197	189	191	208	224	281	401	434	301	339	386	372	387	356	314	326	312	184	2	6,143
48	18	12	15	17	34	39	52	79	66	67	70	89	112	185	158	158	192	194	277	324	243	238	255	272	277	283	217	242	235	270	45	4,735
49	16	6	12	7	18	25	35	46	49	59	69	64	96	88	149	133	165	166	205	241	172	163	176	240	180	167	139	161	117	199	81	3,444
50	16	12	12	9	16	11	23	33	46	58	58	63	63	59	74	131	115	148	175	184	125	120	115	134	151	150	106	115	76	98	78	2,574
51	14	7	8	6	10	10	21	27	33	26	48	51	54	46	40	75	115	111	131	185	110	89	72	103	105	104	75	68	52	59	65	1,920
52	5	4	5	5	17	5	19	15	25	23	31	25	33	38	46	29	34	77	99	103	70	66	59	66	75	68	56	53	43	49	42	1,285
53	8	4	9	4	6	8	14	10	13	16	17	25	22	22	28	33	22	41	86	107	52	60	53	55	28	41	38	56	28	31	34	971
54	4	3	1	3	5	6	12	6	18	12	16	20	19	13	18	15	29	37	53	92	44	36	26	33	21	30	30	27	26	22	26	703
55	3	4	3	5	6	1	9	4	9	13	13	5	11	14	16	16	22	25	27	41	32	34	32	34	32	18	23	20	16	13	17	518
56	2	0	2	3	4	2	6	3	5	6	9	8	7	5	13	14	17	31	18	21	19	17	18	28	14	14	8	10	9	4	19	336
57	4	4	1	0	0	6	5	3	4	6	10	6	10	6	7	9	8	12	11	13	10	15	18	18	18	4	9	4	6	7	16	250
58	1	2	3	1	4	2	2	7	6	9	4	5	8	3	5	5	6	11	9	10	15	6	13	13	10	9	13	8	3	5	8	206
59	1	2	1	3	0	0	1	1	3	6	5	3	4	1	1	5	4	9	7	18	6	6	8	8	5	5	6	8	0	8		141
60+	1	1	2	0	1	1	1	3	3	1	4	2	3	1	1	6	6	5	3	14	8	2	2	8	8	8	3	1	5	2	11	117
Total	151,523	139,649	136,258	118,941	91,127	66,580	66,508	56,692	45,760	40,561	36,877	33,699	31,853	29,222	25,624	22,530	21,813	22,925	23,571	21,569	14,841	12,325	8,631	7,623	5,562	4,048	2,364	1,748	1,115	946	452	1,242,937

TABLE C5

DOD ACTIVE DUTY OFFICERS AND ENLISTEES BY AGE AND YEARS OF SERVICE FOR THE FY 2010 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	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	19
18	9,599	25	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	9,624
19	29,411	10,515	162	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	40,088
20	30,288	29,707	13,033	174	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	73,202
21	21,078	27,239	31,784	11,637	105	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	0	91,845
22	16,429	18,817	25,681	28,060	8,302	79	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	97,368
23	14,635	15,612	17,455	22,260	20,284	5,882	38	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96,167
24	10,600	14,171	14,934	15,209	17,080	15,076	5,842	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92,943
25	7,648	9,780	13,495	13,203	12,133	13,034	14,654	5,476	26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89,450
26	5,476	6,772	8,726	12,282	10,551	8,167	12,623	12,885	4,795	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82,320
27	4,108	4,662	5,674	7,669	9,985	7,730	8,426	10,216	10,619	4,777	38	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73,906
28	3,148	3,712	4,223	4,991	6,381	7,873	7,719	7,175	7,977	9,964	4,587	37	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67,788
29	2,253	2,673	3,325	3,667	4,084	4,997	7,377	6,503	5,542	7,225	9,179	3,909	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60,757
30	1,732	1,996	2,390	2,848	3,138	3,219	4,877	6,315	5,321	4,842	6,709	8,404	3,603	30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55,425
31	1,329	1,421	1,786	2,149	2,425	2,512	3,361	4,350	5,256	4,648	4,593	6,370	7,942	3,073	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51,229
32	1,078	1,091	1,273	1,533	1,745	1,954	2,534	2,916	3,595	4,452	4,204	4,105	6,113	6,838	2,512	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45,950
33	889	823	1,016	1,148	1,359	1,437	1,990	2,322	2,449	3,032	4,082	3,883	4,108	5,806	5,865	2,177	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42,394
34	661	671	812	934	1,084	1,113	1,495	1,780	1,870	2,084	2,803	3,774	3,806	4,028	5,274	5,081	2,044	2	0	0	0	0	0	0	0	0	0	0	0	0	0	39,316
35	645	562	663	720	752	878	1,171	1,395	1,580	1,632	1,866	2,663	3,611	3,752	3,604	4,612	5,230	2,138	7	0	0	0	0	0	0	0	0	0	0	0	0	37,481
36	496	521	573	635	668	689	919	1,076	1,192	1,419	1,516	1,835	2,584	3,587	3,464	3,352	4,696	5,274	2,225	5	0	0	0	0	0	0	0	0	0	0	0	36,726
37	367	419	463	517	529	576	750	828	997	1,016	1,163	1,427	2,542	3,357	3,238	3,186	5,212	5,472	2,083	13	1	0	0	0	0	0	0	0	0	0	0	35,951
38	356	336	363	503	486	522	671	675	767	845	955	1,178	1,429	1,848	2,379	3,267	3,281	3,572	5,120	5,087	1,924	10	0	0	0	0	0	0	0	0	0	35,574
39	314	333	334	398	482	471	582	591	674	657	806	952	1,177	1,488	1,810	2,357	3,308	3,467	3,729	4,765	4,322	1,794	3	0	0	0	0	0	0	0	0	34,814
40	279	279	300	384	340	449	574	607	595	577	683	829	985	1,243	1,488	1,705	2,485	3,546	3,761	3,514	3,498	3,760	1,369	9	0	0	0	0	0	0	0	33,259
41	234	234	264	268	289	281	505	508	531	523	577	622	747	897	1,098	1,252	1,639	2,412	3,492	3,191	2,166	2,915	2,666	1,185	5	0	0	0	0	0	0	28,501
42	207	189	214	256	249	212	289	471	489	449	443	513	592	652	820	924	1,113	1,592	2,510	3,038	2,217	1,825	2,098	2,248	898	7	0	0	0	0	0	24,515
43	88	175	177	239	189	167	230	295	345	381	396	416	505	561	632	702	819	1,170	1,566	2,316	2,213	1,897	1,236	1,755	1,649	678	4	0	0	0	0	20,801
44	53	67	198	199	184	135	183	231	272	324	342	359	405	444	509	559	647	842	1,215	1,536	1,556	2,026	1,469	1,191	1,286	1,299	373	1	0	0	0	17,905
45	49	38	86	160	133	134	168	164	194	245	330	317	378	377	415	472	518	707	909	1,155	1,017	1,521	1,519	1,338	940	1,028	831	286	2	0	0	15,431
46	44	40	40	95	124	116	137	176	174	194	198	288	286	340	349	425	463	553	699	907	807	953	1,129	1,359	1,151	673	703	678	257	8	0	13,366
47	37	35	39	44	63	95	118	149	131	131	147	194	280	278	278	332	363	447	619	735	621	731	804	872	1,129	871	451	477	456	270	3	11,200
48	28	26	40	35	49	74	89	118	116	122	122	158	189	256	260	237	309	325	439	544	442	488	539	574	713	898	629	348	350	372	100	8,989
49	33	17	23	22	40	34	58	74	81	106	115	116	146	144	221	233	245	256	342	425	307	308	384	464	446	521	605	517	205	291	158	6,937
50	21	19	30	19	37	26	43	53	68	83	97	107	96	107	116	204	177	248	280	310	224	247	235	295	345	347	358	475	369	149	202	5,387
51	27	11	16	17	25	17	36	43	48	45	75	83	76	76	85	129	161	181	214	276	195	180	152	198	242	260	204	270	315	256	202	4,115
52	13	14	7	15	27	21	35	28	43	35	47	57	63	70	80	71	74	134	166	178	125	147	118	149	166	185	176	148	174	267	263	3,096
53	14	10	17	11	18	15	26	21	22	28	36	41	39	45	47	65	55	86	140	163	116	92	98	113	93	116	111	141	128	135	303	2,345
54	14	14	13	9	7	14	22	19	26	17	29	33	32	32	38	47	57	72	106	158	94	88	91	64	78	79	92	99	88	88	239	1,859
55	12	15	11	9	9	9	12	10	15	24	20	19	24	26	27	32	42	51	68	80	76	83	60	67	68	53	70	75	75	71	184	1,397
56	5	9	6	4	6	5	13	6	10	19	20	12	17	11	19	30	32	52	48	59	48	47	42	56	47	49	40	44	47	54	149	1,006
57	7	10	7	6	0	6	11	9	12	11	16	17	14	15	14	21	17	27	48	43	32	39	35	33	43	31	34	32	38	36	150	814
58	1	7	6	6	7	4	4	11	10	11	10	12	11	6	11	13	12	29	33	34	42	26	31	25	34	25	37	34	25	29	108	654
59	5	5	7	5	4	3	3	5	5	9	8	4	10	8	5	10	10	27	17	35	31	22	22	20	18	31	18	24	21	18	86	496
60+	10	27	19	8	6	10	8	14	16	7	10	11	11	8	14	14	25	35	30	58	43	34	28	29	34	31	36	36	28	23	160	823
Total	163,740	153,099	149,685	132,348	103,379	78,038	77,593	67,547	55,863	49,978	46,222	42,747	41,098	38,588	34,804	31,570	31,016	32,457	33,255	30,695	22,129	19,234	14,128	12,044	9,385	7,182	4,772	3,685	2,578	2,067	2,307	1,493,233

Notes Numbers have been adjusted to budget.

Age is age nearest birthday as of the end of the fiscal year.

Average Age   29.5

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 2010 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	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
21	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106
22	334	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346
23	805	78	31	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	923
24	1,199	133	32	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,380
25	1,195	254	102	30	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,599
26	1,124	366	192	89	60	20	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1,860
27	1,073	550	342	221	229	38	19	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2,478
28	1,016	553	439	273	385	188	39	16	10	0	0	0	0	0	0	0	0	0	0	0	0	2,919
29	994	515	448	385	396	282	111	38	19	15	4	1	0	0	0	0	0	0	0	0	0	3,208
30	856	468	410	374	495	316	234	120	39	29	1	3	0	0	0	0	0	0	0	0	0	3,345
31	718	383	372	337	436	317	282	185	99	49	18	9	0	0	0	0	0	0	0	0	0	3,205
32	630	289	369	320	400	304	305	247	164	100	33	16	4	2	1	0	0	0	0	0	0	3,184
33	593	288	274	306	395	320	336	232	208	164	87	33	7	8	1	0	1	0	0	0	0	3,253
34	549	299	248	272	366	304	286	262	206	205	172	73	31	5	3	3	0	0	0	0	0	3,284
35	552	314	266	290	334	308	246	209	193	208	193	139	58	18	5	3	2	1	0	0	0	3,339
36	601	319	270	271	319	302	284	230	207	214	222	186	103	46	16	8	2	0	0	0	0	3,600
37	537	310	288	269	325	267	272	237	195	219	209	202	128	76	38	10	3	0	0	0	0	3,585
38	574	396	303	313	328	283	273	245	203	221	189	168	140	80	53	23	11	3	2	1	1	3,810
39	661	395	350	337	346	294	286	281	233	223	210	205	157	110	67	40	16	3	2	0	0	4,216
40	723	456	458	414	370	394	325	300	270	236	213	232	161	131	78	42	24	10	5	2	3	4,847
41	681	432	425	418	425	326	320	269	260	262	230	216	179	158	114	55	36	21	11	1	3	4,842
42	587	457	435	403	435	300	281	255	223	201	216	212	210	161	98	69	44	23	9	4	5	4,628
43	556	404	376	389	410	346	286	258	198	226	243	213	209	164	106	72	52	28	17	10	9	4,572
44	508	369	391	359	398	355	310	246	245	207	220	221	245	191	145	78	69	37	22	9	14	4,639
45	457	355	353	367	342	368	298	263	238	205	197	208	206	153	129	74	70	35	33	14	18	4,383
46	421	321	344	374	316	325	334	255	231	192	186	229	188	145	112	116	54	43	24	19	25	4,254
47	379	367	314	300	325	324	279	270	258	215	204	169	168	175	123	95	90	46	36	20	31	4,188
48	356	263	225	283	265	254	264	208	221	218	168	170	164	125	117	81	70	32	27	11	35	3,557
49	305	285	203	248	252	215	217	202	189	186	185	161	169	162	123	82	65	34	24	16	20	3,343
50	253	241	168	200	183	171	184	206	161	159	161	133	114	147	79	59	55	46	24	14	26	2,784
51	187	197	138	175	157	168	172	159	158	119	122	122	113	92	88	67	50	38	20	16	27	2,385
52	207	167	127	121	153	140	130	113	128	81	83	97	103	75	76	53	32	27	8	5	25	1,951
53	163	170	135	124	138	142	115	109	92	78	79	67	67	67	50	42	32	23	10	8	18	1,729
54	147	138	134	117	130	115	115	100	88	56	59	64	40	58	44	23	33	19	3	5	19	1,507
55	124	173	113	100	84	105	91	89	70	69	60	41	44	41	35	26	23	25	15	7	9	1,344
56	99	147	95	87	102	103	75	71	58	41	44	31	35	27	26	30	24	15	9	8	7	1,134
57	110	125	131	85	68	69	73	69	40	43	40	32	32	24	22	15	13	13	5	2	8	1,019
58	79	107	90	71	80	59	68	55	63	29	30	29	23	19	19	17	12	7	6	4	5	872
59	72	94	92	70	73	61	57	38	27	26	20	16	20	11	13	13	6	5	2	3	2	721
60	44	75	70	63	60	37	33	32	31	11	13	11	6	6	4	4	6	1	1	0	0	508
61	28	33	34	29	22	15	15	6	13	11	3	3	6	5	2	1	1	0	2	0	1	230
62	16	32	28	11	10	15	13	3	9	8	6	6	1	1	3	0	0	1	0	0	0	163
63+	20	49	28	19	18	16	12	9	5	3	3	6	5	3	2	1	2	1	0	0	0	202
Total	20,670	11,379	9,643	8,932	9,649	7,972	7,046	5,896	5,052	4,529	4,123	3,724	3,136	2,486	1,792	1,202	898	537	317	179	311	109,473

Note: Numbers have been adjusted to budget.

Age is age nearest birthday as of the end of the fiscal year.

Average Age   40.3

Average Years of Active Service   4.9

Department of Defense - Office of the Actuary

TABLE C7

DOD SELECTED RESERVE ENLISTEES BY AGE AND YEARS OF SERVICE FOR THE FY 2010 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	694	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	694
18	8,921	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,921
19	22,982	156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23,138
20	33,532	1,098	15	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,649
21	35,475	3,357	238	44	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,122
22	33,446	5,557	730	399	223	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40,361
23	28,800	7,049	1,334	1,127	1,006	115	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,434
24	22,663	6,958	2,057	1,830	2,257	514	78	4	0	0	0	0	0	0	0	0	0	0	0	0	0	36,361
25	18,278	6,554	2,702	2,319	3,279	1,171	420	55	7	0	0	0	0	0	0	0	0	0	0	0	0	34,785
26	14,710	5,837	2,856	2,638	3,827	1,650	1,043	230	38	0	0	0	0	0	0	0	0	0	0	0	0	32,829
27	12,130	5,070	3,023	2,790	3,802	1,680	1,321	513	208	25	2	0	0	0	0	0	0	0	0	0	0	30,564
28	9,992	4,623	3,061	2,782	3,709	1,704	1,510	711	444	121	21	0	0	0	0	0	0	0	0	0	0	28,678
29	8,119	3,642	2,700	2,478	3,252	1,713	1,392	735	610	275	83	11	4	0	0	0	0	0	0	0	0	25,014
30	6,811	3,010	2,167	2,145	2,764	1,476	1,343	799	700	380	203	60	15	1	0	0	0	0	0	0	0	21,874
31	5,675	2,476	2,031	1,755	2,408	1,333	1,197	675	664	445	305	140	39	12	1	0	0	0	0	0	0	19,156
32	4,783	2,096	1,709	1,520	2,085	1,208	1,000	651	579	483	336	196	69	37	5	0	0	0	0	0	0	16,757
33	4,124	1,835	1,450	1,430	1,806	1,188	902	588	553	428	322	191	110	67	40	4	3	0	0	0	0	15,041
34	3,636	1,649	1,273	1,241	1,695	1,052	901	577	480	404	333	201	121	76	72	13	1	0	0	0	0	13,725
35	3,353	1,482	1,276	1,161	1,575	969	773	540	496	392	299	202	136	110	73	31	5	2	0	0	0	12,875
36	3,174	1,478	1,266	1,083	1,443	938	765	553	455	410	321	201	171	117	86	48	15	12	3	1	0	12,540
37	2,924	1,486	1,223	1,100	1,292	898	701	548	464	395	314	231	174	119	96	32	17	10	2	0	0	12,026
38	2,940	1,520	1,347	1,168	1,342	865	762	606	522	396	367	236	183	128	87	52	30	14	7	6	1	12,579
39	2,997	1,471	1,410	1,281	1,510	970	866	649	537	483	391	337	203	140	103	64	43	33	7	5	5	13,505
40	2,893	1,564	1,411	1,413	1,605	1,088	874	700	581	494	466	363	249	142	108	69	47	44	16	9	6	14,142
41	2,594	1,445	1,295	1,248	1,460	1,071	878	681	547	458	445	312	237	161	121	79	53	31	10	10	7	13,143
42	2,200	1,309	1,178	1,133	1,296	956	877	669	566	441	411	289	207	170	111	106	35	46	26	10	12	12,048
43	1,935	1,120	1,031	1,041	1,166	940	773	643	540	378	407	307	238	133	110	80	43	29	21	21	15	10,971
44	1,715	1,080	967	976	1,062	923	793	601	502	419	357	288	237	149	103	83	48	45	17	9	19	10,393
45	1,464	983	973	924	956	842	734	596	508	398	368	284	204	171	127	86	64	50	26	13	21	9,792
46	1,276	830	890	897	918	836	705	572	455	396	361	315	253	183	137	89	83	48	26	16	21	9,307
47	1,118	792	811	856	859	778	647	564	465	392	366	332	255	196	150	116	61	46	23	20	29	8,876
48	972	735	750	768	795	718	605	538	424	369	386	289	252	195	122	102	74	65	29	17	25	8,230
49	877	626	647	723	703	601	537	456	337	304	314	259	187	201	159	106	78	56	22	19	31	7,243
50	713	518	576	654	617	558	495	423	309	259	261	218	203	175	160	123	74	44	17	9	24	6,430
51	502	417	467	494	451	495	422	367	277	253	187	195	155	133	108	80	65	51	18	12	19	5,168
52	442	364	438	475	423	428	371	315	201	186	127	112	117	83	77	67	34	22	10	22	4,545
53	383	324	376	411	405	383	354	256	215	154	139	135	104	77	71	61	40	41	17	12	13	3,971
54	322	255	310	374	358	316	288	240	192	135	126	110	87	54	59	61	29	30	11	4	12	3,373
55	238	237	280	332	320	304	265	186	167	130	103	97	80	56	47	42	29	28	13	7	10	2,971
56	191	190	237	265	233	235	238	150	126	109	94	62	60	48	32	24	26	19	12	7	13	2,371
57	159	164	209	240	228	191	173	134	100	91	70	53	41	38	23	20	12	9	4	4	3	1,966
58	184	155	212	225	171	157	158	104	94	77	51	35	36	21	20	15	9	13	6	3	4	1,750
59	123	132	210	220	178	155	132	98	79	66	50	39	23	21	18	9	5	6	6	2	3	1,575
60	73	71	115	120	97	73	55	54	27	22	22	23	12	10	8	7	4	3	1	1	3	801
61	13	15	8	9	9	6	5	5	3	0	1	2	1	1	0	1	0	2	0	0	2	83
62	6	3	4	4	5	1	2	2	0	0	0	2	0	0	0	0	0	0	0	0	1	30
63+	0	1	2	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	6
Total	310,552	81,734	47,265	44,097	53,598	31,505	25,360	16,788	13,502	10,183	8,468	6,143	4,458	3,259	2,440	1,680	1,060	811	362	227	321	663,813

Note: Numbers have been adjusted to budget.

Age is age nearest birthday as of the end of the fiscal year.

Average Age 30.8

Average Years of Active Service 2.3

Department of Defense - Office of the Actuary

TABLE C8

DOD SELECTED RESERVE OFFICERS AND ENLISTEES BY AGE AND YEARS OF SERVICE FOR THE FY 2010 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	694	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	694
18	8,921	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,921
19	22,982	156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23,138
20	33,563	1,098	15	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,680
21	35,581	3,357	238	44	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,228
22	33,780	5,569	730	399	223	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40,707
23	29,605	7,127	1,365	1,136	1,006	115	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40,357
24	23,862	7,091	2,089	1,839	2,264	514	78	4	0	0	0	0	0	0	0	0	0	0	0	0	0	37,741
25	19,473	6,808	2,804	2,349	3,291	1,177	420	55	7	0	0	0	0	0	0	0	0	0	0	0	0	36,384
26	15,834	6,203	3,048	2,727	3,887	1,670	1,049	233	38	0	0	0	0	0	0	0	0	0	0	0	0	34,689
27	13,203	5,620	3,365	3,011	4,031	1,718	1,340	519	208	25	2	0	0	0	0	0	0	0	0	0	0	33,042
28	11,008	5,176	3,500	3,055	4,094	1,892	1,549	727	454	121	21	0	0	0	0	0	0	0	0	0	0	31,597
29	9,113	4,157	3,148	2,863	3,648	1,995	1,503	773	629	290	87	12	4	0	0	0	0	0	0	0	0	28,222
30	7,667	3,478	2,577	2,519	3,259	1,792	1,577	919	739	409	204	63	15	1	0	0	0	0	0	0	0	25,219
31	6,393	2,859	2,403	2,092	2,844	1,650	1,479	860	763	494	323	149	39	12	1	0	0	0	0	0	0	22,361
32	5,413	2,385	2,078	1,840	2,485	1,512	1,305	898	743	583	369	212	73	39	6	0	0	0	0	0	0	19,941
33	4,717	2,123	1,724	1,736	2,201	1,508	1,238	820	761	592	409	224	117	75	41	4	4	0	0	0	0	18,294
34	4,185	1,948	1,521	1,513	2,061	1,356	1,187	839	686	609	505	274	152	81	75	16	1	0	0	0	0	17,009
35	3,905	1,796	1,542	1,451	1,909	1,277	1,019	749	689	600	492	341	194	128	78	34	7	3	0	0	0	16,214
36	3,775	1,797	1,536	1,354	1,762	1,240	1,049	783	662	624	543	387	274	163	102	56	17	12	3	1	0	16,140
37	3,461	1,796	1,511	1,369	1,617	1,165	973	785	659	614	523	433	302	195	134	42	20	10	2	0	0	15,611
38	3,514	1,916	1,650	1,481	1,670	1,148	1,035	851	725	617	556	404	323	208	140	75	41	17	9	7	2	16,389
39	3,658	1,866	1,760	1,618	1,856	1,264	1,152	930	770	706	601	542	360	250	170	104	59	36	9	5	5	17,721
40	3,616	2,020	1,869	1,827	1,975	1,482	1,199	1,000	851	730	679	595	410	273	186	111	71	54	21	11	9	18,989
41	3,275	1,877	1,720	1,666	1,885	1,397	1,198	950	807	720	675	528	416	319	235	134	89	52	21	11	10	17,985
42	2,787	1,766	1,613	1,536	1,731	1,256	1,158	924	789	642	627	501	417	331	209	175	79	69	35	14	17	16,676
43	2,491	1,524	1,407	1,430	1,576	1,286	1,059	901	738	604	650	520	447	297	216	152	95	57	38	31	24	15,543
44	2,223	1,449	1,358	1,335	1,460	1,278	1,103	847	747	626	577	509	482	340	248	161	117	82	39	18	33	15,032
45	1,921	1,338	1,326	1,291	1,298	1,210	1,032	859	746	603	565	492	410	324	256	160	134	85	59	27	39	14,175
46	1,697	1,151	1,234	1,271	1,234	1,161	1,039	827	686	588	547	544	441	328	249	205	137	91	50	35	46	13,561
47	1,497	1,159	1,125	1,156	1,184	1,102	926	834	723	607	570	501	423	371	273	211	151	92	59	40	60	13,064
48	1,328	998	975	1,051	1,060	972	869	746	645	587	554	459	416	320	239	183	144	97	56	28	60	11,787
49	1,182	911	850	971	955	816	754	658	526	490	499	420	356	363	282	188	143	90	46	35	51	10,586
50	966	759	744	854	800	729	679	629	470	418	422	351	317	322	239	182	129	90	41	23	50	9,214
51	689	614	605	669	608	663	594	526	435	372	309	317	268	225	196	147	115	89	38	28	46	7,553
52	649	531	565	596	576	568	501	428	359	282	269	224	215	192	159	130	99	61	30	15	47	6,496
53	546	494	511	535	543	525	469	365	307	232	218	202	171	144	121	103	72	44	27	20	31	5,700
54	469	393	444	491	488	431	403	340	280	191	185	174	127	112	103	84	62	49	14	9	31	4,880
55	362	410	393	432	404	409	356	275	237	199	163	138	124	97	82	68	52	53	28	14	19	4,315
56	290	337	332	352	335	338	313	221	184	150	138	93	95	75	58	54	50	34	21	15	20	3,505
57	269	289	340	325	296	260	246	203	140	134	110	85	73	62	45	35	25	22	9	6	11	2,985
58	263	262	302	296	251	216	226	159	157	106	81	64	59	40	39	32	21	20	12	7	9	2,622
59	195	226	302	290	251	216	189	136	106	92	70	55	43	32	31	22	11	11	8	5	5	2,296
60	117	146	185	183	157	110	88	86	58	33	35	34	18	16	12	11	10	4	2	1	3	1,309
61	41	48	42	38	31	21	20	11	16	11	4	5	7	6	2	2	1	2	2	0	3	313
62	22	35	32	15	15	16	15	5	9	8	6	8	1	1	3	0	0	1	0	0	1	193
63+	20	50	30	19	18	16	14	9	5	3	3	7	5	3	2	1	2	1	0	0	0	208
Total	331,222	93,113	56,908	53,029	63,247	39,477	32,406	22,684	18,554	14,712	12,591	9,867	7,594	5,745	4,232	2,882	1,958	1,348	679	406	632	773,286

Note: Numbers have been adjusted to budget.

Age is age nearest birthday as of the end of the fiscal year.

Average Age 32.1

Average Years of Active Service 2.6

Department of Defense - Office of the Actuary

C-10

DOD NON-SELECTED RESERVE OFFICERS WITH 20 GOOD YEARS BY AGE AND YEARS OF SERVICE FOR THE FY 2010 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	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	4
37	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
38	5	0	2	0	2	5	2	0	3	2	0	2	0	0	0	0	0	0	2	2	0	27
39	2	13	21	16	3	5	0	6	0	6	3	0	3	2	5	0	3	2	0	0	2	92
40	11	24	23	27	11	8	12	5	12	6	5	8	9	8	5	3	2	3	0	3	0	185
41	21	39	42	28	28	31	33	18	10	13	10	13	7	13	1	7	4	0	1	0	0	319
42	40	68	46	53	40	43	24	15	25	35	47	35	25	21	17	7	4	8	0	1	0	554
43	38	69	85	68	54	56	58	33	37	72	59	81	52	47	20	14	12	1	1	4	1	862
44	50	68	106	78	65	80	62	57	66	80	104	111	87	57	49	16	14	9	4	2	1	1,166
45	50	89	121	82	118	82	92	73	87	101	94	107	108	54	75	26	23	7	2	2	2	1,395
46	40	146	127	107	131	131	130	107	110	143	112	126	136	91	90	54	35	5	6	4	7	1,838
47	73	141	153	144	142	171	174	159	181	176	152	150	126	106	113	65	36	24	12	1	3	2,302
48	49	127	125	110	173	179	204	201	230	177	135	173	125	106	123	64	38	28	6	8	9	2,390
49	70	149	115	102	152	220	203	217	272	204	167	170	192	112	105	84	44	33	7	5	9	2,632
50	52	150	119	101	161	259	248	246	297	239	227	200	171	136	108	66	51	34	9	3	8	2,885
51	78	154	120	114	202	268	241	278	315	272	221	222	164	143	93	81	61	38	15	7	6	3,093
52	65	155	114	128	242	284	267	294	351	277	245	228	212	163	120	100	63	39	15	3	11	3,376
53	74	178	110	137	262	325	325	350	323	285	255	260	250	171	135	119	83	45	8	3	8	3,706
54	58	174	138	178	281	365	325	395	343	296	283	278	254	176	170	125	87	33	13	3	7	3,982
55	71	195	158	186	282	371	329	377	364	283	280	321	239	241	180	114	89	56	17	7	6	4,166
56	92	223	169	180	304	381	366	354	350	288	265	269	233	189	181	114	69	46	18	6	5	4,102
57	89	227	183	227	328	409	413	385	327	255	286	272	265	198	171	94	64	41	22	6	1	4,263
58	110	347	254	264	402	506	469	398	347	276	233	241	257	192	149	120	61	46	22	9	2	4,705
59	107	412	291	319	457	518	428	382	291	271	252	240	241	192	105	83	74	40	23	5	1	4,732
60	78	290	172	184	273	248	223	213	153	140	145	91	91	89	65	54	37	23	10	9	1	2,589
61	4	11	5	15	9	6	13	7	5	5	9	5	1	4	2	0	0	0	0	0	1	102
62	1	2	2	7	4	4	6	6	2	1	1	5	1	1	0	0	0	0	0	4	0	47
63+	11	7	25	42	47	25	14	6	6	10	7	8	1	1	1	3	1	7	1	0	0	223
Total	1,340	3,458	2,828	2,898	4,174	4,981	4,661	4,582	4,508	3,913	3,597	3,616	3,250	2,513	2,083	1,413	955	568	214	97	92	55,741

Note: Data taken from the actuarial valuation file created by the DoD Office of the Actuary.   Average Age   53.1   Average Years of Active Service   7.6
Age is age nearest birthday as of the end of the fiscal year.   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 2010 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	2	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	6
37	1	3	9	1	3	1	5	0	0	4	1	3	3	0	0	0	0	0	0	0	1	35
38	4	26	32	19	9	9	11	4	5	5	12	7	7	2	7	2	0	2	0	0	4	167
39	32	62	55	58	55	27	26	19	29	32	48	38	19	10	14	9	2	2	0	2	0	539
40	56	128	150	99	122	83	63	81	77	66	81	69	54	41	27	8	5	3	3	0	2	1,218
41	70	215	221	239	212	178	140	85	93	90	99	113	90	65	32	23	17	3	3	2	5	1,995
42	115	353	327	266	333	321	210	178	147	147	177	160	115	97	60	43	24	6	6	4	3	3,092
43	174	423	417	381	364	449	315	232	186	198	211	181	135	133	102	67	52	16	13	6	4	4,059
44	186	573	461	434	477	519	408	317	279	236	282	232	173	133	90	79	54	24	13	3	6	4,979
45	192	599	539	487	678	540	454	322	337	305	352	274	172	185	115	105	72	47	16	3	6	5,800
46	242	756	558	531	795	808	555	445	402	400	447	374	259	217	156	135	100	42	25	15	6	7,268
47	212	857	626	615	878	806	665	469	549	439	537	475	338	283	181	156	110	42	19	10	14	8,281
48	226	964	666	593	943	984	720	558	507	479	551	476	417	263	211	162	124	51	27	9	12	8,943
49	230	1,001	597	652	1,030	984	800	561	575	550	552	473	413	410	270	185	113	49	19	9	18	9,491
50	250	981	591	639	1,057	1,061	776	566	646	538	546	418	408	416	331	218	120	59	37	8	20	9,686
51	225	961	584	741	1,178	1,086	791	594	523	461	472	398	338	357	294	220	133	87	51	10	17	9,521
52	231	977	508	756	1,221	1,042	848	551	508	494	406	381	292	287	283	223	110	96	27	13	25	9,279
53	234	1,053	612	783	1,463	1,120	785	563	515	450	469	383	294	271	278	204	156	96	40	10	16	9,795
54	253	1,246	638	913	1,532	1,094	841	651	448	419	364	301	280	262	203	164	142	94	41	21	25	9,932
55	260	1,146	703	1,005	1,429	1,115	798	625	476	419	395	298	267	222	160	122	91	88	41	12	20	9,692
56	270	1,111	689	1,037	1,448	1,049	741	612	523	413	366	280	280	144	134	105	103	57	31	14	23	9,430
57	310	1,194	828	1,070	1,414	1,061	785	612	594	495	370	229	252	196	129	110	84	61	33	14	15	9,856
58	323	1,918	1,300	1,439	1,640	1,006	863	580	663	518	393	275	214	178	116	83	78	67	24	20	15	11,713
59	325	2,088	1,407	1,489	1,705	985	780	595	629	495	473	274	198	178	103	56	47	31	15	16	19	11,908
60	186	1,140	1,009	887	949	542	391	287	292	220	196	145	124	73	55	42	25	25	14	2	18	6,622
61	8	31	48	36	48	23	17	6	9	9	8	8	3	5	3	0	0	0	0	0	0	262
62	1	10	44	8	41	17	16	8	6	3	8	1	1	4	0	0	3	0	0	0	0	171
63+	17	46	130	98	138	73	27	23	13	17	10	11	10	6	6	4	0	8	2	0	0	639
Total	4,633	19,862	13,749	15,276	21,164	16,983	12,833	9,544	9,032	7,903	7,826	6,277	5,156	4,438	3,360	2,525	1,765	1,056	500	203	294	164,379

Note: Data taken from the actuarial valuation file created by the DoD Office of the Actuary. Average Age 51.9 Average Years of Active Service 5.9

Age is age nearest birthday as of the end of the fiscal year. 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 2010 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	1	0	2	1	2	0	2	1	0	0	0	0	0	0	0	0	0	0	1	10
37	2	3	10	2	4	1	5	0	0	4	1	3	3	0	0	0	0	0	0	0	1	39
38	9	26	34	19	11	14	13	4	8	7	12	9	7	2	7	2	0	2	2	2	4	194
39	34	75	76	74	58	32	26	25	29	38	51	38	22	12	19	9	5	4	0	2	2	631
40	67	152	173	126	133	91	75	86	89	72	86	77	63	49	32	11	7	6	3	3	2	1,403
41	91	254	263	267	240	209	173	103	103	103	109	126	97	78	33	30	21	3	4	2	5	2,314
42	155	421	373	319	373	364	234	193	172	182	224	195	140	118	77	50	28	14	6	5	3	3,646
43	212	492	502	449	418	505	373	265	223	270	270	262	187	180	122	81	64	17	14	10	5	4,921
44	236	641	567	512	542	599	470	374	345	316	386	343	260	190	139	95	68	33	17	5	7	6,145
45	242	688	660	569	796	622	546	395	424	406	446	381	280	239	190	131	95	54	18	5	8	7,195
46	282	902	685	638	926	939	685	552	512	543	559	500	395	308	246	189	135	47	31	19	13	9,106
47	285	998	779	759	1,020	977	839	628	730	615	689	625	464	389	294	221	146	66	31	11	17	10,583
48	275	1,091	791	703	1,116	1,163	924	759	737	656	686	649	542	369	334	226	162	79	33	17	21	11,333
49	300	1,150	712	754	1,182	1,204	1,003	778	847	754	719	643	605	522	375	269	157	82	26	14	27	12,123
50	302	1,131	710	740	1,218	1,320	1,024	812	943	777	773	618	579	552	439	284	171	93	46	11	28	12,571
51	303	1,115	704	855	1,380	1,354	1,032	872	838	733	693	620	502	500	387	301	194	125	66	17	23	12,614
52	296	1,132	622	884	1,463	1,326	1,115	845	859	771	651	609	504	450	403	323	173	135	42	16	36	12,655
53	308	1,231	722	920	1,725	1,445	1,110	913	838	735	724	643	544	442	413	323	239	141	48	13	24	13,501
54	311	1,420	776	1,091	1,813	1,459	1,166	1,046	791	715	647	579	534	438	373	289	229	127	54	24	32	13,914
55	331	1,341	861	1,191	1,711	1,486	1,127	1,002	840	702	675	619	506	463	340	236	180	144	58	19	26	13,858
56	362	1,334	858	1,217	1,752	1,430	1,107	966	873	701	631	549	513	333	315	219	172	103	49	20	28	13,532
57	399	1,421	1,011	1,297	1,742	1,470	1,198	997	921	750	656	501	517	394	300	204	148	102	55	20	16	14,119
58	433	2,265	1,554	1,703	2,042	1,512	1,332	978	1,010	794	626	516	471	370	265	203	139	113	46	29	17	16,418
59	432	2,500	1,698	1,808	2,162	1,503	1,208	977	920	766	725	514	439	370	208	139	121	71	38	21	20	16,640
60	264	1,430	1,181	1,071	1,222	790	614	500	445	360	341	236	215	162	120	96	62	48	24	11	19	9,211
61	12	42	53	51	57	29	30	13	14	14	17	13	4	9	5	0	0	0	0	0	1	364
62	2	12	46	15	45	21	22	14	8	4	9	6	2	5	0	0	3	0	0	4	0	218
63+	28	53	155	140	185	98	41	29	19	27	17	19	11	7	7	7	1	15	3	0	0	862
Total	5,973	23,320	16,577	18,174	25,338	21,964	17,494	14,126	13,540	11,816	11,423	9,893	8,406	6,951	5,443	3,938	2,720	1,624	714	300	386	220,120

Note: Data taken from the actuarial valuation file created by the DoD Office of the Actuary.
Age is age nearest birthday as of the end of the fiscal year.

Average Age 52.2

Average Years of Active Service 6.3
Department of Defense - Office of the Actuary

DOD AND ALL UNIFORMED RETIRED OFFICERS AS OF 9/30/2010

	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	0	0	0		0	0	0	0	0
23	0	0	2	0	2		0	0	2	0	2
24	0	2	5	0	7		0	2	5	0	7
25	0	3	14	0	17		0	3	15	0	18
26	0	8	21	0	29		0	8	21	0	29
27	0	14	22	0	36		0	15	23	0	38
28	0	31	31	0	62		0	31	31	0	62
29	0	34	39	0	73		0	34	39	0	73
30	0	45	45	0	90		0	46	47	0	93
31	0	63	40	0	103		0	64	41	0	105
32	0	55	30	0	85		0	55	30	0	85
33	0	55	39	0	94		0	56	39	0	95
34	0	67	25	0	92		0	68	25	0	93
35	0	84	30	0	114		0	89	32	0	121
36	0	85	31	0	116		0	85	31	0	116
37	1	94	33	0	128		1	97	33	0	131
38	20	108	35	0	163		20	113	35	0	168
39	136	116	38	0	290		141	120	38	0	299
40	289	135	38	0	462		300	136	38	0	474
41	521	144	32	0	697		538	147	33	0	718
42	867	142	38	0	1,047		899	148	41	0	1,088
43	1,536	176	29	0	1,741		1,581	186	30	0	1,797
44	2,440	171	33	0	2,644		2,543	176	37	0	2,756
45	3,445	189	29	0	3,663		3,571	200	29	0	3,800
46	4,294	240	32	0	4,566		4,456	253	33	0	4,742
47	5,064	229	23	0	5,316		5,269	233	23	0	5,525
48	5,505	287	16	0	5,808		5,778	302	17	0	6,097
49	6,091	268	15	0	6,374		6,469	275	15	0	6,759
50	6,626	253	20	0	6,899		7,002	264	20	0	7,286
51	7,243	282	13	0	7,538		7,658	299	13	0	7,970
52	7,915	295	14	0	8,224		8,333	308	16	0	8,657
53	8,695	311	13	0	9,019		9,133	336	13	0	9,482
54	9,105	318	14	0	9,437		9,587	335	15	0	9,937
55	9,695	292	16	0	10,003		10,189	312	17	0	10,518
56	9,951	338	5	0	10,294		10,447	356	6	0	10,809
57	10,298	373	7	0	10,678		10,780	391	8	0	11,179
58	10,367	369	6	0	10,742		10,936	387	6	0	11,329
59	10,251	351	9	0	10,611		10,770	376	9	0	11,155
60	10,607	380	4	2,333	13,324		11,174	406	5	2,375	13,960
61	11,276	434	3	6,619	18,332		11,848	459	3	6,718	19,028
62	12,135	459	2	7,892	20,488		12,732	490	2	8,033	21,257
63	13,072	622	3	8,883	22,580		13,739	645	3	9,041	23,428
64	13,946	736	0	9,583	24,265		14,614	773	0	9,741	25,128
65	9,698	563	0	6,829	17,090		10,160	588	0	6,946	17,694

DOD AND ALL UNIFORMED RETIRED OFFICERS AS OF 9/30/2010

	DoD Only						All Uniformed				
Age	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total		Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total
66	9,807	560	0	6,816	17,183		10,273	582	0	6,902	17,757
67	10,021	545	0	6,441	17,007		10,516	566	0	6,568	17,650
68	9,875	558	0	6,397	16,830		10,386	574	0	6,508	17,468
69	8,714	414	0	5,187	14,315		9,171	435	0	5,279	14,885
70	8,864	406	0	4,670	13,940		9,273	433	0	4,762	14,468
71	8,886	336	0	4,369	13,591		9,296	353	0	4,471	14,120
72	8,509	323	0	4,370	13,202		8,893	337	0	4,478	13,708
73	8,122	301	0	4,247	12,670		8,472	312	0	4,340	13,124
74	7,745	289	0	4,036	12,070		8,085	310	0	4,124	12,519
75	7,615	284	0	3,829	11,728		7,899	297	0	3,908	12,104
76	7,913	279	0	3,934	12,126		8,197	295	0	4,021	12,513
77	7,559	258	0	3,621	11,438		7,787	269	0	3,690	11,746
78	7,599	285	0	3,691	11,575		7,824	302	0	3,768	11,894
79	7,158	338	0	3,842	11,338		7,391	349	0	3,916	11,656
80	7,105	302	0	4,031	11,438		7,297	318	0	4,094	11,709
81	6,368	341	0	3,796	10,505		6,531	352	0	3,885	10,768
82	5,118	298	0	3,289	8,705		5,278	315	0	3,338	8,931
83	3,660	213	0	2,285	6,158		3,794	227	0	2,334	6,355
84	2,945	205	0	2,115	5,265		3,048	209	0	2,152	5,409
85	3,122	212	0	2,398	5,732		3,223	218	0	2,422	5,863
86	3,382	313	0	2,890	6,585		3,481	319	0	2,910	6,710
87	3,387	450	0	2,909	6,746		3,468	455	0	2,927	6,850
88	3,281	501	0	2,934	6,716		3,374	507	0	2,959	6,840
89	3,533	561	0	2,867	6,961		3,618	567	0	2,889	7,074
90	3,030	593	0	2,584	6,207		3,102	602	0	2,605	6,309
91	2,523	508	0	2,043	5,074		2,577	514	0	2,061	5,152
92	1,940	367	0	1,689	3,996		1,976	372	0	1,705	4,053
93	1,350	303	0	1,234	2,887		1,378	307	0	1,242	2,927
94	887	199	0	848	1,934		915	201	0	857	1,973
95	632	139	0	571	1,342		644	141	0	578	1,363
96	353	74	0	383	810		363	75	0	387	825
97	205	58	0	215	478		218	59	0	221	498
98	97	37	0	128	262		101	37	0	129	267
99	77	13	0	79	169		81	13	0	79	173
100	42	11	0	63	116		44	11	0	63	118
101	18	5	0	40	63		20	5	0	40	65
102	14	2	0	17	33		15	2	0	17	34
103	10	3	0	5	18		11	3	0	5	19
104	4	1	0	1	6		4	1	0	1	6
105	1	1	0	3	5		1	1	0	3	5
106	1	0	0	1	2		1	0	0	1	2
107	0	0	0	2	2		0	0	0	2	2
108	1	0	0	0	1		1	0	0	0	1
109	0	0	0	0	0		0	0	0	0	0
110	1	0	0	1	2		1	0	0	1	2
Total	362,563	20,107	894	147,010	530,574		378,696	20,912	919	149,496	550,023
60+	242,208	14,080	12	147,010	403,310		252,295	14,606	13	149,496	416,410
62+	220,325	13,266	5	138,058	371,654		229,273	13,741	5	140,403	383,422
65+	181,172	11,449	0	111,700	304,321		188,188	11,833	0	113,588	313,609

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.

DOD AND ALL UNIFORMED RETIRED ENLISTEES AS OF 9/30/2010

	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	2	13	0	15	0	2	13	0	15
20	0	14	93	0	107	0	14	93	0	107
21	0	63	209	0	272	0	63	211	0	274
22	0	140	420	0	560	0	142	423	0	565
23	0	259	711	0	970	0	261	719	0	980
24	0	438	1,022	0	1,460	0	439	1,031	0	1,470
25	0	709	1,214	0	1,923	0	713	1,230	0	1,943
26	0	829	1,303	0	2,132	0	835	1,321	0	2,156
27	0	1,006	1,197	0	2,203	0	1,025	1,220	0	2,245
28	0	1,078	1,084	0	2,162	0	1,092	1,102	0	2,194
29	0	1,056	1,013	0	2,069	0	1,077	1,035	0	2,112
30	0	1,183	857	0	2,040	0	1,207	886	0	2,093
31	0	1,125	799	0	1,924	0	1,153	824	0	1,977
32	0	1,180	672	0	1,852	0	1,201	691	0	1,892
33	0	1,174	573	0	1,747	0	1,204	588	0	1,792
34	0	1,230	504	0	1,734	0	1,253	511	0	1,764
35	0	1,195	437	0	1,632	0	1,226	447	0	1,673
36	0	1,299	413	0	1,712	0	1,333	428	0	1,761
37	1	1,298	354	0	1,653	1	1,334	361	0	1,696
38	521	1,554	326	0	2,401	522	1,586	334	0	2,442
39	2,867	1,675	343	0	4,885	2,885	1,718	349	0	4,952
40	5,930	1,896	316	0	8,142	5,977	1,935	323	0	8,235
41	8,749	1,865	266	0	10,880	8,851	1,938	275	0	11,064
42	11,719	1,953	244	0	13,916	11,855	2,021	246	0	14,122
43	15,292	1,998	203	0	17,493	15,467	2,064	205	0	17,736
44	19,044	2,203	194	0	21,441	19,269	2,282	195	0	21,746
45	22,529	2,408	182	0	25,119	22,834	2,493	184	0	25,511
46	26,573	2,652	150	0	29,375	26,958	2,759	151	0	29,868
47	29,566	2,753	139	0	32,458	30,101	2,867	144	0	33,112
48	32,384	2,919	119	0	35,422	33,056	3,075	122	0	36,253
49	34,793	2,906	97	0	37,796	35,683	3,035	101	0	38,819
50	36,340	2,997	103	0	39,440	37,221	3,163	103	0	40,487
51	36,276	3,153	77	0	39,506	37,134	3,302	79	0	40,515
52	35,679	3,084	58	0	38,821	36,445	3,231	60	0	39,736
53	35,079	3,251	63	0	38,393	35,823	3,390	63	0	39,276
54	33,792	3,174	31	0	36,997	34,457	3,331	31	0	37,819
55	33,010	3,258	40	0	36,308	33,646	3,378	40	0	37,064
56	32,745	3,325	34	0	36,104	33,261	3,415	35	0	36,711
57	31,742	3,356	20	0	35,118	32,245	3,448	20	0	35,713
58	31,685	3,431	27	0	35,143	32,138	3,542	27	0	35,707
59	29,111	3,554	20	0	32,685	29,512	3,654	20	0	33,186
60	27,981	4,710	18	5,540	38,249	28,375	4,806	18	5,630	38,829
61	28,474	6,299	5	15,493	50,271	28,837	6,392	5	15,742	50,976
62	28,754	7,674	14	16,698	53,140	29,125	7,762	14	16,950	53,851
63	28,937	7,920	4	18,044	54,905	29,303	8,018	5	18,314	55,640
64	28,689	6,574	4	17,939	53,206	29,045	6,661	4	18,260	53,970
65	20,066	4,029	0	12,582	36,677	20,311	4,089	0	12,789	37,189

DOD AND ALL UNIFORMED RETIRED ENLISTEES AS OF 9/30/2010

	DoD Only					All Uniformed				
Age	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total
66	20,644	3,308	0	11,660	35,612	20,922	3,368	0	11,864	36,154
67	22,473	2,820	0	11,155	36,448	22,753	2,870	0	11,357	36,980
68	24,611	2,561	0	10,632	37,804	24,935	2,610	0	10,857	38,402
69	23,043	2,137	0	8,479	33,659	23,352	2,192	0	8,643	34,187
70	22,329	1,817	0	7,362	31,508	22,703	1,871	0	7,528	32,102
71	22,438	1,540	0	7,227	31,205	22,840	1,589	0	7,406	31,835
72	23,559	1,554	0	7,181	32,294	23,996	1,609	0	7,337	32,942
73	25,263	1,508	0	7,077	33,848	25,687	1,550	0	7,181	34,418
74	24,928	1,432	0	6,718	33,078	25,310	1,484	0	6,826	33,620
75	24,282	1,411	0	6,385	32,078	24,560	1,438	0	6,472	32,470
76	22,548	1,460	0	5,555	29,563	22,826	1,503	0	5,648	29,977
77	20,714	1,529	0	4,623	26,866	20,948	1,568	0	4,707	27,223
78	20,234	1,944	0	4,449	26,627	20,480	1,989	0	4,504	26,973
79	19,295	2,205	0	4,429	25,929	19,486	2,258	0	4,492	26,236
80	19,743	2,234	0	4,183	26,160	19,928	2,265	0	4,234	26,427
81	17,657	2,071	0	3,350	23,078	17,819	2,102	0	3,381	23,302
82	13,770	1,524	0	2,650	17,944	13,951	1,540	0	2,685	18,176
83	11,002	1,129	0	1,834	13,965	11,136	1,157	0	1,848	14,141
84	8,050	668	0	1,580	10,298	8,167	678	0	1,596	10,441
85	6,775	571	0	1,388	8,734	6,886	583	0	1,411	8,880
86	5,974	456	0	1,289	7,719	6,061	460	0	1,310	7,831
87	5,137	368	0	1,049	6,554	5,197	372	0	1,062	6,631
88	4,191	311	0	854	5,356	4,241	318	0	859	5,418
89	3,702	214	0	797	4,713	3,750	216	0	804	4,770
90	2,849	160	0	582	3,591	2,879	167	0	587	3,633
91	2,307	146	0	437	2,890	2,335	149	0	439	2,923
92	1,499	113	0	298	1,910	1,517	116	0	301	1,934
93	1,016	52	0	224	1,292	1,027	53	0	224	1,304
94	595	40	0	121	756	605	40	0	123	768
95	396	27	0	79	502	403	28	0	79	510
96	269	19	0	68	356	273	19	0	68	360
97	124	5	0	33	162	126	5	0	33	164
98	80	4	0	24	108	81	4	0	24	109
99	53	3	0	10	66	53	3	0	10	66
100	22	2	0	3	27	23	2	0	3	28
101	20	1	0	4	25	21	1	0	4	26
102	16	1	0	2	19	16	1	0	2	19
103	13	4	0	1	18	14	4	0	1	19
104	10	1	0	0	11	10	1	0	0	11
105	10	1	0	0	11	10	1	0	0	11
106	6	1	0	0	7	6	1	0	0	7
107	3	2	0	0	5	3	2	0	0	5
108	2	2	0	0	4	2	2	0	0	4
109	7	2	0	0	9	7	2	0	0	9
110	14	2	0	1	17	14	2	0	1	17
Total	1,130,001	149,209	15,985	210,089	1,505,284	1,147,696	153,122	16,287	213,596	1,530,701
60+	584,574	74,566	45	210,089	869,274	592,355	75,921	46	213,596	881,918
62+	528,119	63,557	22	189,056	780,754	535,143	64,723	23	192,224	792,113
65+	441,739	41,389	0	136,375	619,503	447,670	42,282	0	138,700	628,652

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.

DOD AND ALL UNIFORMED RETIRED OFFICERS AND ENLISTEES AS OF 9/30/2010

	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	2	13	0	15		0	2	13	0	15
20	0	14	93	0	107		0	14	93	0	107
21	0	63	209	0	272		0	63	211	0	274
22	0	140	420	0	560		0	142	423	0	565
23	0	259	713	0	972		0	261	721	0	982
24	0	440	1,027	0	1,467		0	441	1,036	0	1,477
25	0	712	1,228	0	1,940		0	716	1,245	0	1,961
26	0	837	1,324	0	2,161		0	843	1,342	0	2,185
27	0	1,020	1,219	0	2,239		0	1,040	1,243	0	2,283
28	0	1,109	1,115	0	2,224		0	1,123	1,133	0	2,256
29	0	1,090	1,052	0	2,142		0	1,111	1,074	0	2,185
30	0	1,228	902	0	2,130		0	1,253	933	0	2,186
31	0	1,188	839	0	2,027		0	1,217	865	0	2,082
32	0	1,235	702	0	1,937		0	1,256	721	0	1,977
33	0	1,229	612	0	1,841		0	1,260	627	0	1,887
34	0	1,297	529	0	1,826		0	1,321	536	0	1,857
35	0	1,279	467	0	1,746		0	1,315	479	0	1,794
36	0	1,384	444	0	1,828		0	1,418	459	0	1,877
37	2	1,392	387	0	1,781		2	1,431	394	0	1,827
38	541	1,662	361	0	2,564		542	1,699	369	0	2,610
39	3,003	1,791	381	0	5,175		3,026	1,838	387	0	5,251
40	6,219	2,031	354	0	8,604		6,277	2,071	361	0	8,709
41	9,270	2,009	298	0	11,577		9,389	2,085	308	0	11,782
42	12,586	2,095	282	0	14,963		12,754	2,169	287	0	15,210
43	16,828	2,174	232	0	19,234		17,048	2,250	235	0	19,533
44	21,484	2,374	227	0	24,085		21,812	2,458	232	0	24,502
45	25,974	2,597	211	0	28,782		26,405	2,693	213	0	29,311
46	30,867	2,892	182	0	33,941		31,414	3,012	184	0	34,610
47	34,630	2,982	162	0	37,774		35,370	3,100	167	0	38,637
48	37,889	3,206	135	0	41,230		38,834	3,377	139	0	42,350
49	40,884	3,174	112	0	44,170		42,152	3,310	116	0	45,578
50	42,966	3,250	123	0	46,339		44,223	3,427	123	0	47,773
51	43,519	3,435	90	0	47,044		44,792	3,601	92	0	48,485
52	43,594	3,379	72	0	47,045		44,778	3,539	76	0	48,393
53	43,774	3,562	76	0	47,412		44,956	3,726	76	0	48,758
54	42,897	3,492	45	0	46,434		44,044	3,666	46	0	47,756
55	42,705	3,550	56	0	46,311		43,835	3,690	57	0	47,582
56	42,696	3,663	39	0	46,398		43,708	3,771	41	0	47,520
57	42,040	3,729	27	0	45,796		43,025	3,839	28	0	46,892
58	42,052	3,800	33	0	45,885		43,074	3,929	33	0	47,036
59	39,362	3,905	29	0	43,296		40,282	4,030	29	0	44,341
60	38,588	5,090	22	7,873	51,573		39,549	5,212	23	8,005	52,789
61	39,750	6,733	8	22,112	68,603		40,685	6,851	8	22,460	70,004
62	40,889	8,133	16	24,590	73,628		41,857	8,252	16	24,983	75,108
63	42,009	8,542	7	26,927	77,485		43,042	8,663	8	27,355	79,068
64	42,635	7,310	4	27,522	77,471		43,659	7,434	4	28,001	79,098
65	29,764	4,592	0	19,411	53,767		30,471	4,677	0	19,735	54,883

DOD AND ALL UNIFORMED RETIRED OFFICERS AND ENLISTEES AS OF 9/30/2010

	DoD Only						All Uniformed				
Age	Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total		Non Disabled	Perm Disabled	Temp Disabled	Reserve Retired	Total
66	30,451	3,868	0	18,476	52,795		31,195	3,950	0	18,766	53,911
67	32,494	3,365	0	17,596	53,455		33,269	3,436	0	17,925	54,630
68	34,486	3,119	0	17,029	54,634		35,321	3,184	0	17,365	55,870
69	31,757	2,551	0	13,666	47,974		32,523	2,627	0	13,922	49,072
70	31,193	2,223	0	12,032	45,448		31,976	2,304	0	12,290	46,570
71	31,324	1,876	0	11,596	44,796		32,136	1,942	0	11,877	45,955
72	32,068	1,877	0	11,551	45,496		32,889	1,946	0	11,815	46,650
73	33,385	1,809	0	11,324	46,518		34,159	1,862	0	11,521	47,542
74	32,673	1,721	0	10,754	45,148		33,395	1,794	0	10,950	46,139
75	31,897	1,695	0	10,214	43,806		32,459	1,735	0	10,380	44,574
76	30,461	1,739	0	9,489	41,689		31,023	1,798	0	9,669	42,490
77	28,273	1,787	0	8,244	38,304		28,735	1,837	0	8,397	38,969
78	27,833	2,229	0	8,140	38,202		28,304	2,291	0	8,272	38,867
79	26,453	2,543	0	8,271	37,267		26,877	2,607	0	8,408	37,892
80	26,848	2,536	0	8,214	37,598		27,225	2,583	0	8,328	38,136
81	24,025	2,412	0	7,146	33,583		24,350	2,454	0	7,266	34,070
82	18,888	1,822	0	5,939	26,649		19,229	1,855	0	6,023	27,107
83	14,662	1,342	0	4,119	20,123		14,930	1,384	0	4,182	20,496
84	10,995	873	0	3,695	15,563		11,215	887	0	3,748	15,850
85	9,897	783	0	3,786	14,466		10,109	801	0	3,833	14,743
86	9,356	769	0	4,179	14,304		9,542	779	0	4,220	14,541
87	8,524	818	0	3,958	13,300		8,665	827	0	3,989	13,481
88	7,472	812	0	3,788	12,072		7,615	825	0	3,818	12,258
89	7,235	775	0	3,664	11,674		7,368	783	0	3,693	11,844
90	5,879	753	0	3,166	9,798		5,981	769	0	3,192	9,942
91	4,830	654	0	2,480	7,964		4,912	663	0	2,500	8,075
92	3,439	480	0	1,987	5,906		3,493	488	0	2,006	5,987
93	2,366	355	0	1,458	4,179		2,405	360	0	1,466	4,231
94	1,482	239	0	969	2,690		1,520	241	0	980	2,741
95	1,028	166	0	650	1,844		1,047	169	0	657	1,873
96	622	93	0	451	1,166		636	94	0	455	1,185
97	329	63	0	248	640		344	64	0	254	662
98	177	41	0	152	370		182	41	0	153	376
99	130	16	0	89	235		134	16	0	89	239
100	64	13	0	66	143		67	13	0	66	146
101	38	6	0	44	88		41	6	0	44	91
102	30	3	0	19	52		31	3	0	19	53
103	23	7	0	6	36		25	7	0	6	38
104	14	2	0	1	17		14	2	0	1	17
105	11	2	0	3	16		11	2	0	3	16
106	7	1	0	1	9		7	1	0	1	9
107	3	2	0	2	7		3	2	0	2	7
108	3	2	0	0	5		3	2	0	0	5
109	7	2	0	0	9		7	2	0	0	9
110	15	2	0	2	19		15	2	0	2	19
Total	1,492,564	169,316	16,879	357,099	2,035,858		1,526,392	174,034	17,206	363,092	2,080,724
60+	826,782	88,646	57	357,099	1,272,584		844,650	90,527	59	363,092	1,298,328
62+	748,444	76,823	27	327,114	1,152,408		764,416	78,464	28	332,627	1,175,535
65+	622,911	52,838	0	248,075	923,824		635,858	54,115	0	252,288	942,261

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.

DOD AND ALL UNIFORMED SURVIVING SPOUSES AS OF 9/30/2010

	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	13	0	1	15	2	13	0	1	16
20	0	29	0	0	29	0	29	0	0	29
21	0	58	0	0	58	0	58	0	0	58
22	1	99	0	1	101	1	99	0	1	101
23	0	135	0	2	137	0	135	0	2	137
24	4	205	0	1	210	4	208	0	1	213
25	5	251	0	0	256	5	252	0	0	257
26	13	285	1	6	305	13	286	1	6	306
27	10	325	0	0	335	10	325	0	0	335
28	19	323	0	0	342	19	331	0	0	350
29	25	342	0	0	367	25	345	0	0	370
30	32	341	0	1	374	32	346	0	1	379
31	30	325	0	4	359	31	328	0	4	363
32	40	283	0	1	324	40	286	0	1	327
33	30	367	0	3	400	30	370	0	3	403
34	41	344	1	3	389	41	351	1	3	396
35	53	353	3	3	412	53	360	3	3	419
36	57	405	3	5	470	58	412	3	5	478
37	60	400	4	7	471	62	405	4	8	479
38	65	463	3	9	540	66	473	3	9	551
39	76	503	1	6	586	80	510	1	6	597
40	97	670	4	15	786	100	677	4	15	796
41	87	694	6	9	796	92	710	6	9	817
42	88	671	7	15	781	88	682	7	16	793
43	106	762	9	17	894	113	781	9	17	920
44	117	843	4	16	980	122	855	4	16	997
45	132	1,033	9	27	1,201	138	1,045	9	27	1,219
46	144	1,232	10	31	1,417	152	1,245	10	33	1,440
47	162	1,361	14	43	1,580	167	1,386	14	44	1,611
48	193	1,468	18	48	1,727	199	1,490	18	48	1,755
49	219	1,672	26	50	1,967	222	1,708	26	50	2,006
50	273	1,890	19	64	2,246	284	1,932	19	65	2,300
51	285	2,054	29	88	2,456	292	2,095	30	88	2,505
52	300	2,189	24	85	2,598	314	2,222	27	86	2,649
53	345	2,526	35	112	3,018	355	2,576	35	112	3,078
54	400	2,860	73	125	3,458	417	2,906	74	128	3,525
55	462	2,924	62	139	3,587	473	2,983	62	141	3,659
56	574	3,472	79	189	4,314	600	3,513	79	193	4,385
57	621	3,702	97	210	4,630	640	3,752	98	210	4,700
58	665	3,989	112	271	5,037	696	4,041	114	273	5,124
59	778	4,429	131	364	5,702	809	4,488	132	368	5,797

DOD AND ALL UNIFORMED SURVIVING SPOUSES AS OF 9/30/2010

	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	884	4,786	165	394	6,229	924	4,849	169	394	6,336
61	1,067	5,366	161	481	7,075	1,105	5,428	166	488	7,187
62	1,227	5,960	236	553	7,976	1,267	6,036	242	560	8,105
63	1,469	6,687	307	647	9,110	1,524	6,781	314	655	9,274
64	1,673	7,120	350	721	9,864	1,729	7,215	356	730	10,080
65	1,388	6,337	349	594	8,668	1,440	6,429	354	600	8,823
66	1,628	7,195	375	723	9,921	1,688	7,302	382	734	10,106
67	1,842	8,233	460	775	11,310	1,902	8,365	468	792	11,527
68	2,095	8,927	534	935	12,491	2,162	9,050	544	955	12,711
69	2,069	9,402	497	905	12,873	2,151	9,530	506	920	13,107
70	2,121	9,970	551	970	13,612	2,190	10,097	564	985	13,836
71	2,333	10,577	624	968	14,502	2,414	10,712	635	985	14,746
72	2,552	11,767	672	1,094	16,085	2,628	11,909	682	1,116	16,335
73	2,691	12,446	741	1,145	17,085	2,775	12,575	752	1,157	17,271
74	2,826	12,923	808	1,159	17,729	2,916	13,045	822	1,175	17,971
75	3,212	13,785	869	1,263	19,149	3,273	13,927	885	1,271	19,376
76	3,473	13,939	1,014	1,239	19,685	3,554	14,077	1,028	1,250	19,929
77	3,302	13,312	1,010	1,230	18,874	3,382	13,427	1,032	1,241	19,102
78	3,710	13,866	1,177	1,196	19,969	3,784	13,994	1,193	1,209	20,200
79	3,747	13,236	1,298	1,213	19,514	3,828	13,366	1,315	1,228	19,757
80	3,984	12,860	1,369	1,088	19,314	4,071	12,986	1,390	1,102	19,562
81	3,863	11,932	1,420	1,105	18,333	3,955	12,070	1,444	1,116	18,598
82	3,978	10,982	1,577	1,120	17,657	4,065	11,114	1,592	1,133	17,904
83	4,092	10,451	1,807	961	17,311	4,176	10,585	1,828	977	17,566
84	4,688	10,040	2,006	983	17,717	4,782	10,160	2,022	990	17,954
85	5,362	9,075	2,177	869	17,483	5,449	9,174	2,195	879	17,697
86	5,703	8,402	2,316	884	17,305	5,803	8,496	2,335	892	17,526
87	6,117	7,555	2,453	766	16,891	6,215	7,638	2,474	775	17,102
88	5,935	6,389	2,393	608	15,325	6,014	6,472	2,412	610	15,508
89	5,719	5,408	2,400	543	14,070	5,791	5,491	2,424	552	14,258
90	4,778	4,124	1,976	377	11,255	4,855	4,175	1,994	380	11,404
91	3,749	3,129	1,619	320	8,817	3,818	3,173	1,640	323	8,954
92	2,872	2,216	1,190	235	6,513	2,928	2,265	1,201	236	6,630
93	2,226	1,715	1,008	173	5,122	2,271	1,738	1,013	174	5,196
94	1,586	1,240	704	114	3,644	1,621	1,257	712	115	3,705
95	1,188	900	522	85	2,695	1,203	924	527	86	2,740
96	905	690	384	45	2,024	930	708	389	45	2,072
97	691	492	253	29	1,465	711	502	256	29	1,498
98	493	355	197	27	1,072	507	367	198	27	1,099
99	339	264	110	17	730	351	269	110	17	747
100	251	193	71	7	522	260	199	71	7	537
101	176	158	62	7	403	185	162	62	7	416
102	118	119	42	5	284	122	122	42	5	291
103	99	71	33	0	203	100	72	34	0	206
104	124	126	20	2	272	126	128	20	2	276
105	96	90	26	0	212	100	92	26	0	218
106	36	33	5	0	74	36	33	6	0	75
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	121,087	351,133	41,122	30,546	543,888	123,926	355,495	41,619	30,917	551,957
60+	114,477	304,843	40,338	28,575	488,233	117,081	308,486	40,826	28,924	495,317
62+	112,526	294,691	40,012	27,700	474,929	115,052	298,209	40,491	28,042	481,794
65+	108,157	274,924	39,119	25,779	447,979	110,532	278,177	39,579	26,097	454,385

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

ECONOMIC ASSUMPTIONS

In July, 2011, the DoD MERHCF Board of Actuaries adopted the following economic assumptions for use in the valuation as of September 30, 2010:

> ➢ 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 35-year period ending in 2010 is approximately 3.86 percent.

The CPI assumption chosen in 2011 by the MERHCF Board of Actuaries is 3.00 percent, unchanged from the prior year and the same as the CPI assumption selected in 2011 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 2011 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 0.81 percent; its average annual nominal yield since inception is 3.35%, computed by multiplying the average annual real yield by the average annual inflation rate:

> ➢ 1.008 (table D3), the average real MERHCF effective yield from 2002 to 2010, times
> ➢ 1.025 (table D1), the average annual CPI increase from 2002 to 2010

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 assumed an intermediate ultimate real interest rate assumption of 2.9 percent in their 2011 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 July, 2011, The MERHCF Board approved the use of the medical trend rates contained in Table D4 for the MERHCF actuarial valuation as of September 30, 2010. Consistent across all benefit trends (inpatient, outpatient, and Rx), the MERHCF Board maintained its original position that there be a 25-year select period. The MERHCF Board decided to reduce the ultimate trend rate from 6.25% to 5.75%.

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 2011 Medicare Trustees Report, and

- Projected Medicare Part A utilization and enrollment

From this data, which included projections through 2020, OACT developed inpatient medical trend on a fiscal year basis through 2020. 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 2010 – 2020 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 2020 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 2010 – 2020 were set one 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 2011 Medicare Trustees Report,
- Table IV.B2 ─ Incurred Reimbursement Amounts per Fee-for-Service Enrollee for Carrier Services, from its 2011 Medicare Trustees Report, and
- Table IV.B4 ─ Incurred Reimbursement Amounts per Fee-for-Service Enrollee for Intermediary Services, from its 2011 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 2020, OACT developed outpatient medical trend on a fiscal year basis through 2020. 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 2010 – 2020 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 2009 – 2019 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 2020 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 2010 – 2020 were set one percent lower per year from the PC OP trends to reflect the recent low and negative trend experienced in the MTFs.

- PC OP trend and DC OP trend were increased 1% in the second projection year to reflect recent plan experience.

Prescription Drug Trend

After reviewing OACT's analyses, the MERHCF Board approved a set of prescription drug trends for the September 30, 2010, MERHCF actuarial valuation, as shown in Table D4.

OACT analyzed three years of PC and DC prescription drug data, from FY 2008 through FY 2010. 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. The MERHCF Board approved an initial DC Rx trend rate of 2.00%, graded linearly to 5.75% over the next 24 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, 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 June 2007 to September 2011. 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 benefit components 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.

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[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:

TO 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
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

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
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

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:

TO 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
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

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, 2010 VALUATION

		DC			PC			
From FY:	To FY:	IP	OP	Rx	IP	OP	Rx	USFHP
2010	2011	3.38%	3.26%	2.00%	4.38%	4.26%	5.82%	5.67%
2011	2012	2.45%	2.31%	2.00%	3.45%	3.31%	5.80%	4.61%
2012	2013	2.46%	2.43%	2.00%	3.46%	3.43%	5.78%	4.62%
2013	2014	2.41%	4.18%	2.00%	3.41%	5.18%	5.76%	5.36%
2014	2015	2.27%	4.10%	2.17%	3.27%	5.10%	5.75%	5.23%
2015	2016	2.16%	3.98%	2.34%	3.16%	4.98%	5.73%	5.11%
2016	2017	2.09%	4.72%	2.51%	3.09%	5.72%	5.72%	5.40%
2017	2018	2.42%	5.18%	2.68%	3.42%	6.18%	5.71%	5.70%
2018	2019	2.77%	5.45%	2.85%	3.77%	6.45%	5.70%	5.91%
2019	2020	3.48%	5.91%	3.02%	4.48%	6.91%	5.70%	6.33%
2020	2021	3.62%	5.90%	3.19%	4.56%	6.84%	5.69%	6.40%
2021	2022	3.77%	5.89%	3.36%	4.64%	6.77%	5.69%	6.16%
2022	2023	3.91%	5.88%	3.53%	4.72%	6.69%	5.69%	5.82%
2023	2024	4.05%	5.87%	3.70%	4.80%	6.62%	5.69%	5.82%
2024	2025	4.19%	5.86%	3.88%	4.88%	6.55%	5.69%	5.82%
2025	2026	4.33%	5.85%	4.05%	4.96%	6.48%	5.69%	5.82%
2026	2027	4.47%	5.84%	4.22%	5.04%	6.40%	5.70%	5.82%
2027	2028	4.62%	5.83%	4.39%	5.12%	6.33%	5.70%	5.81%
2028	2029	4.76%	5.82%	4.56%	5.20%	6.26%	5.70%	5.81%
2029	2030	4.90%	5.81%	4.73%	5.27%	6.19%	5.71%	5.80%
2030	2031	5.04%	5.80%	4.90%	5.35%	6.11%	5.72%	5.79%
2031	2032	5.18%	5.79%	5.07%	5.43%	6.04%	5.72%	5.78%
2032	2033	5.32%	5.78%	5.24%	5.51%	5.97%	5.73%	5.78%
2033	2034	5.47%	5.77%	5.41%	5.59%	5.90%	5.74%	5.77%
2034	2035	5.61%	5.76%	5.58%	5.67%	5.82%	5.74%	5.76%
Ultimate		5.75%	5.75%	5.75%	5.75%	5.75%	5.75%	5.75%

DC   Direct Care
PC   Purchased Care
IP   Inpatient Hospital
OP   Outpatient
Rx   Pharmacy
USFHP   US Family Health Plan

APPENDIX E

AVERAGE BENEFIT COSTS

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 CV), and from

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

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, 2010, valuation were developed by blending detail data from 2007 – 2009 fiscal years. This part of the analysis was not updated from last year; experience (gain)/loss analysis has shown that updating the shape of the CVs – or the input CVs - from one year to the next has a very small impact, partly because our method involves blending multiple years of data. Before blending, the claims in each age cell for 2007 and 2009 were brought to 2008 claim cost levels by multiplying each element by the following ratio:

Adjustment to 2007 claim cells before blending:

[*2008 weighted average cost per 2008 sponsor and family***]** / **[***2007 weighted average cost per 2007 sponsor and family***]**

Adjustment to 2009 claim cells before blending:

[*2008 weighted average cost per 2008 sponsor and family*] / [*2009 weighted average cost per 2009 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.

Survivor CVs were developed based on survivor age. Since claims data for dependent children of survivors can only be linked to a deceased sponsor's age (i.e., not to the surviving spouse's age), the dependent child survivor costs were added to the surviving spouse CVs as a load that varied by benefit category and population subcategory. For the MERHCF population, dependent child survivor PC claim costs represent less than 1% of surviving spouse claim costs.

The September 30, 2010, input CVs were smoothed (with a combination of formulaic and manual methods).

The IP, OP and Rx CVs were adjusted to reflect aggregate 2010 incurred purchased care claims levels for IP, OP and Rx benefits, respectively. Estimates of 2010 incurred PC claims were produced from aggregate claims paid through March 2011. 2010 incurred PC claims (completed) are shown in Table E1.

TABLE E1

FY 2010 MERHCF PURCHASED CARE INCURRED CLAIMS

($ millions)

Inpatient Hospital	$763
Outpatient	$1,990
Pharmacy	$3,750
Total	$6,503

Incurred pharmacy claims in Table E1 have not been adjusted to reflect voluntary rebates on retail brand prescriptions incurred during FY 2010.

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, OACT assumed USFHP enrollment growth would continue to exceed general MERHCF population growth. Extrapolating current USFHP enrollment experience, an assumption was made about USFHP enrollment growth over the first five projection years of the valuation model, which resulted in the application of the following factor to each of the PC (and DC) incurred claims values:

(1 – USFHP enrollment % in five years) / (1 – USFHP enrollment % in current year) = 0.9991

Administration costs associated with claims processing and network management were also loaded onto the CVs. A separate administration cost load is developed for pharmacy vs. non-pharmacy claims.

Expected retail pharmacy rebates were subtracted from each future year's projected cash flow. Information about OACT's pharmacy rebate assumptions is included later in this section.

Administrative Costs
Costs associated with plan administration, including claims processing, were added to the average claims costs in the form of a load. For the September 30, 2010, valuation, the MERHCF Board approved purchased care claim loads for administrative costs of 5.00% (IP and OP) and 2.75% (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
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, 2010, MERHCF valuation, that effective rate was approximately 0.19. 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 0.16. 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 CV[1]s 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 ($652 million for FY 2010). Estimates of FY 2010 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.

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

Administrative Costs

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

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, 2010, valuation, the MERHCF Board approved an administration cost load of 0.45% for the USFHP CVs, unchanged from the prior year.

Finally, FY 2010 incurred USFHP payments are multiplied by 1.04841 to adjust for the expected growth in USFHP enrollment over the next five years. 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 2010 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, 2010, valuation were developed by blending detail data from 2007 – 2009 fiscal years (as with the PC CV development, this part of the analysis was not updated from last year; experience (gain)/loss analysis has shown that updating the shape of the CVs – or the input CVs - from one year to the next has a very small impact, partly because our method involves blending multiple years of data). Before blending, the workloads in each age cell for 2007 and 2009 were brought to 2008 workload levels by multiplying each element by the following ratio:

Adjustment to 2007 workload cells before blending:

[*2008 weighted average workload per 2008 sponsor and family*] / [*2007 weighted average workload per 2007 sponsor and family*]

Adjustment to 2009 workload cells before blending:

[*2008 weighted average workload per 2008 sponsor and family*] / [*2009 weighted average workload per 2009 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.

As with PC, DC survivor CVs were developed based on survivor age (previously, survivor CVs were developed based on sponsor age). Since workload data for dependent children of survivors can only be linked to a deceased sponsor's age (i.e., not to the surviving spouse's age), the dependent child survivor costs were added to the surviving spouse CVs as a load that varied by benefit category and population subcategory. For the MERHCF population, DC dependent child survivor DC claim costs represent less than 1% of surviving spouse claim costs.

The September 30, 2010, input CVs were smoothed (with a combination of formulaic and manual methods).

The IP, OP and Rx CVs were adjusted to reflect aggregate 2010 incurred direct care claims levels for IP, OP and Rx benefits, respectively. Estimates of 2010 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.

TABLE E2

FY 2010 MERHCF DIRECT CARE COSTS

($ millions)

Inpatient Hospital	$530
Outpatient	$548
Pharmacy	$663
Total	$1,741

A small adjustment was made to the DC aggregate incurred claims levels to reflect near-term expected growth in USFHP enrollment. Based on recent experience, OACT assumed USFHP enrollment growth would continue to exceed general MERHCF population growth. Extrapolating current USFHP enrollment experience, an assumption was made about USFHP enrollment growth over the first five projection years of the valuation model, which resulted in the application of the following factor to each of the DC (and PC) incurred claims values:

(1 – USFHP enrollment % in five years) / (1 – USFHP enrollment % in current year) = 0.9991

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 2010 MERHCF CLAIM VECTORS

	Direct Care									
	Inpatient Retiree Active Duty Nondisabled	Inpatient Retiree Active Duty Nondisabled	Inpatient Retiree Active Duty Disabled	Inpatient Retiree Active Duty Disabled	Inpatient Retiree Reserve Nondisabled	Inpatient Retiree Reserve Nondisabled	Inpatient Survivor Active Duty	Inpatient Survivor Active Duty	Inpatient Survivor Reserve	Inpatient Survivor Reserve
Age	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer
20	$11.14	$5.77	$44.81	$90.96	$5.73	$5.35	$4.16	$8.92	$22.75	$20.45
25	$11.14	$5.77	$44.81	$90.96	$5.73	$5.35	$4.16	$8.92	$22.75	$20.45
30	$11.14	$5.77	$55.90	$90.96	$5.73	$5.35	$4.16	$8.92	$22.75	$20.45
35	$11.14	$5.77	$63.94	$90.96	$5.73	$5.35	$4.16	$8.92	$22.75	$20.45
40	$11.14	$5.77	$73.24	$90.96	$5.73	$5.35	$4.16	$8.92	$22.75	$20.45
45	$12.66	$5.77	$82.96	$131.48	$5.73	$5.35	$4.16	$8.92	$22.75	$20.45
50	$20.80	$13.22	$91.85	$146.09	$5.73	$5.35	$27.21	$8.92	$22.75	$20.45
55	$38.20	$14.95	$98.20	$160.70	$5.73	$5.35	$32.93	$8.92	$22.75	$20.45
60	$69.80	$22.03	$99.81	$175.31	$5.73	$5.35	$40.92	$30.14	$22.75	$20.45
65	$334.14	$180.68	$199.25	$246.76	$34.85	$36.40	$87.22	$33.99	$22.75	$41.78
70	$421.34	$308.60	$402.90	$477.82	$58.07	$61.04	$189.17	$120.06	$27.09	$45.00
75	$515.96	$400.91	$404.52	$662.40	$89.71	$80.03	$221.01	$157.77	$38.25	$48.21
80	$587.52	$493.22	$472.73	$616.54	$120.32	$104.82	$240.68	$190.26	$52.82	$51.42
85	$637.53	$585.54	$652.31	$528.94	$149.98	$136.64	$247.32	$210.90	$56.66	$54.64
90	$667.06	$677.85	$1,081.30	$556.04	$172.11	$176.90	$240.16	$210.90	$56.66	$58.32
95	$667.06	$774.89	$1,081.30	$798.85	$172.11	$221.16	$204.94	$210.90	$56.66	$58.32
100	$667.06	$774.89	$1,081.30	$798.85	$172.11	$221.16	$204.94	$210.90	$56.66	$58.32
105	$667.06	$774.89	$1,081.30	$798.85	$172.11	$221.16	$204.94	$210.90	$56.66	$58.32
110	$667.06	$774.89	$1,081.30	$798.85	$172.11	$221.16	$204.94	$210.90	$56.66	$58.32
115	$667.06	$774.89	$1,081.30	$798.85	$172.11	$221.16	$204.94	$210.90	$56.66	$58.32

FY 2010 MERHCF CLAIM VECTORS

	Direct Care									
	Outpatient Retiree Active Duty Nondisabled	Outpatient Retiree Active Duty Nondisabled	Outpatient Retiree Active Duty Disabled	Outpatient Retiree Active Duty Disabled	Outpatient Retiree Reserve Nondisabled	Outpatient Retiree Reserve Nondisabled	Outpatient Survivor Active Duty	Outpatient Survivor Active Duty	Outpatient Survivor Reserve	Outpatient Survivor Reserve
Age	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer
20	$8.30	$5.56	$55.26	$49.84	$3.45	$8.48	$3.20	$11.00	$1.49	$7.53
25	$8.30	$5.56	$55.26	$49.84	$3.45	$8.48	$3.20	$11.00	$1.49	$7.53
30	$8.30	$5.56	$60.35	$49.84	$3.45	$8.48	$3.20	$11.00	$1.49	$7.53
35	$8.30	$5.56	$72.16	$49.84	$3.45	$8.48	$3.20	$11.00	$1.49	$7.53
40	$8.30	$5.56	$92.03	$49.84	$3.45	$8.48	$3.20	$11.00	$1.49	$7.53
45	$17.63	$5.56	$110.32	$142.18	$3.45	$8.48	$13.14	$11.00	$1.49	$7.53
50	$28.34	$14.42	$115.65	$242.33	$3.45	$8.48	$22.26	$11.00	$1.49	$7.53
55	$44.82	$24.20	$104.09	$305.49	$3.45	$8.48	$35.85	$11.00	$3.20	$7.53
60	$77.83	$33.58	$91.69	$244.77	$3.45	$8.48	$55.39	$28.62	$13.75	$32.05
65	$203.52	$142.31	$187.08	$146.35	$29.23	$24.84	$82.64	$36.59	$22.93	$49.16
70	$492.00	$500.12	$359.56	$568.09	$76.54	$97.48	$224.36	$201.35	$30.43	$52.90
75	$543.96	$578.10	$360.42	$682.48	$98.40	$126.87	$226.51	$204.71	$35.91	$48.98
80	$545.68	$609.54	$379.92	$605.16	$112.49	$140.35	$214.19	$195.78	$39.04	$42.04
85	$515.61	$598.73	$443.30	$467.53	$114.99	$139.13	$188.75	$175.69	$39.66	$35.88
90	$469.12	$549.37	$619.74	$390.14	$101.55	$129.77	$151.34	$145.43	$39.66	$33.65
95	$416.00	$464.62	$619.74	$390.14	$50.75	$129.77	$102.92	$105.83	$39.66	$39.51
100	$416.00	$290.17	$619.74	$390.14	$50.75	$129.77	$32.13	$55.33	$39.66	$39.51
105	$416.00	$290.17	$619.74	$390.14	$50.75	$129.77	$32.13	$55.33	$39.66	$39.51
110	$416.00	$290.17	$619.74	$390.14	$50.75	$129.77	$32.13	$55.33	$39.66	$39.51
115	$416.00	$290.17	$619.74	$390.14	$50.75	$129.77	$32.13	$55.33	$39.66	$39.51

	Direct Care									
	Pharmacy Retiree Active Duty Nondisabled	Pharmacy Retiree Active Duty Nondisabled	Pharmacy Retiree Active Duty Disabled	Pharmacy Retiree Active Duty Disabled	Pharmacy Retiree Reserve Nondisabled	Pharmacy Retiree Reserve Nondisabled	Pharmacy Survivor Active Duty	Pharmacy Survivor Active Duty	Pharmacy Survivor Reserve	Pharmacy Survivor Reserve
Age	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer
20	$12.49	$6.64	$9.15	$23.81	$18.66	$12.79	$3.44	$21.55	$3.98	$8.42
25	$12.49	$6.64	$9.15	$23.81	$18.66	$12.79	$3.44	$21.55	$3.98	$8.42
30	$12.49	$6.64	$9.15	$23.81	$18.66	$12.79	$3.44	$21.55	$3.98	$8.42
35	$12.49	$6.64	$55.02	$23.81	$18.66	$12.79	$3.44	$21.55	$3.98	$8.42
40	$12.49	$6.64	$84.56	$54.06	$18.66	$12.79	$3.44	$21.55	$3.98	$8.42
45	$14.28	$6.64	$104.11	$112.59	$18.66	$12.79	$15.82	$21.55	$3.98	$8.42
50	$21.65	$12.85	$107.77	$174.47	$18.66	$12.79	$26.79	$21.55	$3.98	$8.42
55	$41.10	$20.69	$97.11	$207.51	$18.66	$12.79	$43.15	$21.55	$3.98	$8.42
60	$83.28	$31.96	$86.36	$170.67	$18.66	$12.79	$66.67	$21.55	$25.09	$37.70
65	$233.56	$126.10	$180.51	$138.28	$65.71	$45.82	$99.49	$51.79	$88.36	$85.66
70	$670.09	$532.99	$418.40	$572.86	$299.97	$268.38	$322.99	$254.92	$135.56	$115.65
75	$736.05	$616.63	$427.23	$660.00	$382.02	$342.24	$315.80	$256.88	$149.44	$123.55
80	$674.80	$616.99	$429.19	$569.87	$363.83	$348.54	$281.88	$231.46	$121.03	$111.66
85	$537.81	$542.06	$423.06	$408.10	$267.82	$290.43	$225.11	$186.81	$87.41	$87.11
90	$378.58	$411.30	$403.47	$262.39	$153.50	$195.20	$155.86	$132.88	$39.36	$60.73
95	$217.62	$257.17	$374.75	$213.11	$115.60	$111.66	$92.64	$81.22	$39.36	$49.18
100	$217.62	$109.37	$374.75	$213.11	$115.60	$101.31	$63.52	$45.97	$39.36	$49.18
105	$217.62	$109.37	$374.75	$213.11	$115.60	$101.31	$63.52	$45.97	$39.36	$49.18
110	$217.62	$109.37	$374.75	$213.11	$115.60	$101.31	$63.52	$45.97	$39.36	$49.18
115	$217.62	$109.37	$374.75	$213.11	$115.60	$101.31	$63.52	$45.97	$39.36	$49.18

	Purchased Care									
	Inpatient Retiree Active Duty Nondisabled	Inpatient Retiree Active Duty Nondisabled	Inpatient Retiree Active Duty Disabled	Inpatient Retiree Active Duty Disabled	Inpatient Retiree Reserve Nondisabled	Inpatient Retiree Reserve Nondisabled	Inpatient Survivor Active Duty	Inpatient Survivor Active Duty	Inpatient Survivor Reserve	Inpatient Survivor Reserve
Age	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer
20	$10.37	$3.26	$15.24	$35.05	$32.91	$8.18	$17.47	$26.56	$22.25	$22.71
25	$10.37	$3.26	$15.24	$35.05	$32.91	$8.18	$17.47	$26.56	$22.25	$22.71
30	$10.37	$3.26	$31.47	$35.05	$32.91	$8.18	$17.47	$26.56	$22.25	$22.71
35	$10.37	$3.26	$47.74	$35.05	$32.91	$8.18	$17.47	$26.56	$22.25	$22.71
40	$10.37	$3.26	$66.92	$35.05	$32.91	$8.18	$17.47	$26.56	$22.25	$22.71
45	$9.10	$3.26	$87.92	$48.61	$32.91	$8.18	$17.47	$26.56	$22.25	$22.71
50	$14.14	$6.18	$109.15	$63.57	$32.91	$8.18	$17.47	$26.56	$22.25	$22.71
55	$29.15	$9.96	$128.51	$76.42	$32.91	$8.18	$65.66	$26.56	$22.25	$22.71
60	$63.11	$15.39	$143.33	$83.09	$32.91	$8.18	$99.99	$26.56	$111.82	$22.71
65	$217.95	$54.68	$228.06	$124.55	$112.57	$36.68	$139.88	$64.44	$182.24	$110.57
70	$467.16	$296.68	$451.44	$486.56	$301.26	$246.93	$358.91	$295.57	$262.93	$190.01
75	$677.78	$491.01	$615.79	$621.84	$451.82	$435.42	$483.82	$476.51	$354.22	$283.09
80	$890.51	$734.37	$838.00	$777.27	$610.19	$646.09	$614.31	$645.43	$456.43	$383.48
85	$1,082.92	$981.91	$993.02	$952.15	$766.30	$859.01	$737.44	$780.96	$569.89	$481.08
90	$1,225.55	$1,196.45	$993.02	$1,144.89	$906.88	$1,044.80	$835.17	$857.56	$733.75	$561.45
95	$1,281.04	$1,354.20	$993.02	$1,351.01	$970.31	$1,163.01	$868.47	$845.42	$733.75	$594.35
100	$823.84	$1,354.20	$993.02	$1,351.01	$970.31	$1,157.11	$868.47	$630.93	$733.75	$594.35
105	$823.84	$1,354.20	$993.02	$1,351.01	$970.31	$1,157.11	$868.47	$630.93	$733.75	$594.35
110	$823.84	$1,354.20	$993.02	$1,351.01	$970.31	$1,157.11	$868.47	$630.93	$733.75	$594.35
115	$823.84	$1,354.20	$993.02	$1,351.01	$970.31	$1,157.11	$868.47	$630.93	$733.75	$594.35

TABLE E3 (CONT'D)

FY 2010 MERHCF CLAIM VECTORS

	Purchased Care									
	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
Age										
20	$27.45	$16.16	$72.26	$75.16	$117.83	$54.32	$71.42	$88.43	$130.68	$39.69
25	$27.45	$16.16	$72.26	$75.16	$117.83	$54.32	$71.42	$88.43	$130.68	$39.69
30	$27.45	$16.16	$145.08	$75.16	$117.83	$54.32	$71.42	$88.43	$130.68	$39.69
35	$27.45	$16.16	$198.14	$75.16	$117.83	$54.32	$71.42	$88.43	$130.68	$39.69
40	$27.45	$16.16	$248.95	$185.91	$117.83	$54.32	$71.42	$88.43	$130.68	$39.69
45	$34.68	$16.16	$296.82	$266.23	$117.83	$54.32	$71.42	$88.43	$130.68	$39.69
50	$62.54	$25.50	$340.96	$337.55	$117.83	$54.32	$71.42	$88.43	$130.68	$41.53
55	$109.41	$43.89	$380.52	$376.73	$117.83	$54.32	$174.41	$88.43	$130.68	$50.69
60	$200.29	$84.30	$414.52	$352.57	$117.83	$54.32	$250.42	$88.43	$356.85	$163.72
65	$446.78	$255.33	$558.32	$562.49	$292.66	$173.85	$298.38	$129.80	$606.86	$484.29
70	$1,702.30	$1,699.83	$1,520.51	$1,984.94	$1,359.42	$1,326.58	$1,069.28	$1,017.75	$804.17	$771.73
75	$2,042.61	$2,188.21	$1,738.47	$2,444.80	$1,696.28	$1,774.71	$1,126.87	$1,148.79	$918.01	$950.46
80	$2,094.94	$2,414.08	$1,759.28	$2,471.72	$1,737.10	$1,977.70	$1,113.37	$1,191.19	$930.27	$996.80
85	$1,938.87	$2,401.71	$1,653.75	$2,239.71	$1,582.51	$1,951.41	$1,035.36	$1,150.53	$843.18	$925.22
90	$1,640.92	$2,171.84	$1,653.75	$1,902.00	$1,304.34	$1,734.82	$898.46	$1,031.68	$563.02	$778.61
95	$1,257.11	$1,742.37	$1,653.75	$1,594.70	$921.89	$1,392.97	$707.51	$838.88	$563.02	$580.73
100	$541.46	$1,128.85	$1,653.75	$1,226.46	$575.76	$979.22	$466.72	$504.15	$563.02	$580.73
105	$541.46	$650.03	$1,653.75	$1,226.46	$575.76	$979.22	$228.53	$504.15	$563.02	$580.73
110	$541.46	$650.03	$1,653.75	$1,226.46	$575.76	$979.22	$228.53	$504.15	$563.02	$580.73
115	$541.46	$650.03	$1,653.75	$1,226.46	$575.76	$979.22	$228.53	$504.15	$563.02	$580.73

FY 2010 MERHCF CLAIM VECTORS

	Purchased Care									
	Pharmacy Retiree Active Duty Nondisabled	Pharmacy Retiree Active Duty Nondisabled	Pharmacy Retiree Active Duty Disabled	Pharmacy Retiree Active Duty Disabled	Pharmacy Retiree Reserve Nondisabled	Pharmacy Retiree Reserve Nondisabled	Pharmacy Survivor Active Duty	Pharmacy Survivor Active Duty	Pharmacy Survivor Reserve	Pharmacy Survivor Reserve
Age	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Officer
20	$59.29	$45.51	$53.13	$133.98	$87.14	$76.17	$132.58	$220.02	$133.94	$16.91
25	$59.29	$45.51	$53.13	$133.98	$87.14	$76.17	$132.58	$220.02	$133.94	$16.91
30	$59.29	$45.51	$185.95	$133.98	$87.14	$76.17	$132.58	$220.02	$133.94	$16.91
35	$59.29	$45.51	$321.87	$133.98	$87.14	$76.17	$132.58	$220.02	$133.94	$16.91
40	$59.29	$45.51	$459.14	$435.14	$87.14	$76.17	$132.58	$220.02	$133.94	$16.91
45	$84.98	$45.51	$583.24	$677.51	$87.14	$76.17	$132.58	$220.02	$133.94	$16.91
50	$137.85	$59.86	$684.40	$912.38	$87.14	$76.17	$132.58	$220.02	$133.94	$16.91
55	$227.08	$110.33	$755.82	$1,056.47	$87.14	$76.17	$376.92	$220.02	$477.80	$16.91
60	$408.90	$199.69	$792.67	$983.28	$109.25	$76.17	$510.30	$220.02	$687.86	$527.68
65	$964.69	$628.70	$1,053.29	$1,284.40	$740.19	$512.51	$646.05	$380.47	$1,319.81	$1,224.70
70	$2,950.41	$3,169.21	$2,629.82	$3,500.51	$2,771.31	$2,777.08	$2,129.30	$2,178.44	$1,939.06	$1,831.23
75	$3,401.33	$3,903.13	$2,871.15	$4,281.24	$3,262.77	$3,475.00	$2,201.00	$2,420.76	$2,262.86	$2,233.01
80	$3,333.92	$4,109.70	$2,691.92	$4,271.75	$3,163.21	$3,694.38	$2,173.85	$2,550.13	$2,233.52	$2,381.83
85	$2,988.34	$4,031.90	$2,460.49	$3,876.56	$2,869.00	$3,579.74	$2,037.63	$2,534.46	$1,925.94	$2,285.01
90	$2,564.33	$3,733.54	$2,460.49	$3,387.30	$2,502.96	$3,251.71	$1,781.21	$2,340.05	$1,491.72	$1,997.08
95	$2,094.39	$3,137.81	$2,460.49	$2,895.58	$1,760.87	$2,811.84	$1,392.52	$1,931.63	$1,491.72	$1,460.44
100	$2,094.39	$1,826.48	$2,460.49	$2,076.04	$937.61	$2,139.01	$858.65	$1,099.77	$1,491.72	$1,460.44
105	$2,094.39	$1,826.48	$2,460.49	$2,076.04	$937.61	$2,139.01	$160.32	$1,099.77	$1,491.72	$1,460.44
110	$2,094.39	$1,826.48	$2,460.49	$2,076.04	$937.61	$2,139.01	$160.32	$1,099.77	$1,491.72	$1,460.44
115	$2,094.39	$1,826.48	$2,460.49	$2,076.04	$937.61	$2,139.01	$160.32	$1,099.77	$1,491.72	$1,460.44

FY 2010 MERHCF CLAIM VECTORS

	Purchased Care									
	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
<u>Age</u>	<u>Enlisted</u>	<u>Officer</u>	<u>Enlisted</u>	<u>Officer</u>	<u>Enlisted</u>	<u>Officer</u>	<u>Enlisted</u>	<u>Officer</u>	<u>Enlisted</u>	<u>Officer</u>
20	$0.00	$0.00	$26.03	$0.00	$0.00	$0.00	$12.72	$5.19	$18.84	$11.03
25	$0.00	$0.00	$26.03	$0.00	$0.00	$0.00	$12.72	$5.19	$18.84	$11.03
30	$0.00	$0.00	$26.03	$0.00	$0.00	$0.00	$12.72	$5.19	$18.84	$11.03
35	$0.00	$0.00	$26.03	$0.00	$0.00	$0.00	$12.72	$5.19	$18.84	$11.03
40	$0.13	$0.00	$26.03	$25.34	$0.00	$0.00	$12.72	$5.19	$18.84	$11.03
45	$2.61	$1.08	$26.03	$32.08	$0.00	$0.00	$12.72	$5.19	$18.84	$11.03
50	$4.43	$1.88	$41.83	$39.60	$0.00	$0.00	$12.72	$5.19	$18.84	$11.03
55	$9.66	$2.33	$55.58	$47.92	$0.00	$0.00	$12.72	$5.19	$18.84	$11.03
60	$24.17	$9.20	$72.86	$57.02	$15.37	$1.64	$12.72	$5.19	$18.84	$11.03
65	$136.46	$115.75	$211.59	$153.24	$117.22	$111.27	$85.38	$61.14	$77.69	$60.15
70	$481.47	$489.53	$477.87	$442.56	$447.40	$447.30	$291.57	$289.01	$287.49	$292.02
75	$604.29	$624.82	$602.39	$561.91	$574.42	$581.13	$345.30	$344.31	$339.15	$343.17
80	$650.28	$685.40	$668.13	$630.48	$637.58	$653.61	$379.25	$379.61	$374.14	$370.25
85	$649.18	$693.16	$675.31	$652.96	$642.78	$670.40	$393.13	$394.77	$388.60	$390.31
90	$625.76	$666.42	$531.95	$579.47	$595.07	$636.35	$393.13	$394.77	$388.60	$390.31
95	$596.14	$602.19	$531.95	$579.47	$435.61	$541.31	$393.13	$394.77	$388.60	$390.31
100	$596.14	$602.19	$531.95	$579.47	$435.61	$541.31	$393.13	$394.77	$388.60	$390.31
105	$596.14	$602.19	$531.95	$579.47	$435.61	$541.31	$393.13	$394.77	$388.60	$390.31
110	$596.14	$602.19	$531.95	$579.47	$435.61	$541.31	$393.13	$394.77	$388.60	$390.31
115	$596.14	$602.19	$531.95	$579.47	$435.61	$541.31	$393.13	$394.77	$388.60	$390.31

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

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 percentage sign up for USFHP (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	DC			PC		
Year	IP	OP	RX	IP	OP	RX
2010	107.3%	107.3%	103.7%	92.4%	92.5%	92.5%
2011	106.7%	106.7%	103.3%	93.3%	93.4%	93.4%
2012	106.0%	106.0%	103.0%	94.1%	94.2%	94.2%
2013	105.3%	105.3%	102.7%	94.9%	95.0%	95.0%
2014	104.7%	104.7%	102.3%	95.7%	95.7%	95.7%
2015	104.0%	104.0%	102.0%	96.4%	96.4%	96.4%
2016	103.3%	103.3%	101.7%	97.1%	97.1%	97.1%
2017	102.7%	102.7%	101.3%	97.7%	97.8%	97.8%
2018	102.0%	102.0%	101.0%	98.3%	98.4%	98.3%
2019	101.3%	101.3%	100.7%	98.9%	98.9%	98.9%
2020	100.7%	100.7%	100.3%	99.4%	99.4%	99.4%
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

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)

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

REENTRANT RATIOS (by completed years of service)

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

ACTIVE DEATH (by age nearest birthday)

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

NONDISABILITY RETIREMENT (by completed years of service)

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

TEMPORARY DISABILITY RETIREMENT (by completed years of service)

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

PERMANENT DISABILITY RETIREMENT (by completed years of service)

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

TRANSFER (by completed years of service)

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

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	0.00075	39	0.00040	0.00048
17	0.00052	0.00086	40	0.00040	0.00049
18	0.00060	0.00099	41	0.00039	0.00050
19	0.00065	0.00106	42	0.00039	0.00051
20	0.00065	0.00107	43	0.00040	0.00053
21	0.00063	0.00104	44	0.00041	0.00055
22	0.00062	0.00098	45	0.00042	0.00058
23	0.00061	0.00092	46	0.00044	0.00062
24	0.00059	0.00085	47	0.00045	0.00066
25	0.00058	0.00079	48	0.00047	0.00072
26	0.00057	0.00075	49	0.00049	0.00078
27	0.00055	0.00071	50	0.00052	0.00085
28	0.00053	0.00067	51	0.00055	0.00093
29	0.00051	0.00063	52	0.00058	0.00102
30	0.00049	0.00061	53	0.00062	0.00112
31	0.00048	0.00058	54	0.00067	0.00123
32	0.00046	0.00056	55	0.00072	0.00136
33	0.00045	0.00054	56	0.00077	0.00150
34	0.00043	0.00052	57	0.00082	0.00164
35	0.00042	0.00050	58	0.00089	0.00180
36	0.00041	0.00049	59	0.00095	0.00193
37	0.00041	0.00049	60	0.00101	0.00208
38	0.00040	0.00049			

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.

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.

TABLE G5

WITHDRAWAL, REENTRANT, AND NET LOSS RATES FOR ACTIVE DUTY PERSONNEL

(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 FOR ACTIVE DUTY PERSONNEL

(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

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.

<u>Closed Group</u>
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.

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 NON-DISABILITY 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 NON-DISABILITY 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

NON-SELECTED RESERVE OFFICER WITH 20 GOOD YEARS NON-DISABILITY 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 NON-DISABILITY 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 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 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	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	23	24	24	25	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	37	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 RATES

RETIREE AND SURVIVOR DECREMENT RATES

The 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.

RETIREE AND SURVIVOR DECREMENT RATE FORMULAS

DEATH OF NONDISABILITY RETIREES (by age nearest birthday)

$$\frac{Nondisability\ deaths}{[Number\ at\ beginning\ of\ year - ½\ x\ (Nondisability\ deaths + other\ losses)]}$$

DEATH OF PERMANENT DISABILITY RETIREES (by age nearest birthday)

$$\frac{Permanent\ disability\ deaths}{[Number\ at\ beginning\ of\ year - ½\ x\ (Permanent\ disability\ deaths + other\ losses)]}$$

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

$$\frac{Temporary\ disability\ deaths\ in\ category^{1}}{[Number\ at\ beginning\ of\ year - ½\ x\ (Deaths + transfers + other\ losses)]}$$

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

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

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

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

REMARRIAGE OF SURVIVING SPOUSE (by age nearest birthday)

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

DEATH OF SURVIVING SPOUSE (by age nearest birthday)

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

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[1] Includes deaths of members who were temporarily disabled at the beginning of the year, then transferred to permanent disability, and later died before the end of the year.

TABLE I1

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

DEATH RATES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
ND Officer									X	X
ND Enlistee									X	X
PD Officer							X	X	X	
PD Enlistee							X	X	X	
TD Officer	X	X	X	X	X	X				
TD Enlistee	X	X	X	X	X	X				
OTHER LOSS RATES										
TD Officer	X	X	X	X	X	X				
TD Enlistee	X	X	X	X	X	X				
TRANSFER RATES FROM TD TO PD										
Officer	X	X	X	X	X	X				
Enlistee	X	X	X	X	X	X				
SURVIVOR RATES										
Remarriage					X	X	X			
Survivor Death					X	X	X			

ND = Nondisability
PD = Permanent Disability
TD = Temporary Disability

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	0.00035	0.00035	0.00533	0.01245	0.00628	0.00322	0.00125	0.00126
31	0.00035	0.00035	0.00533	0.01285	0.00648	0.00332	0.00129	0.00130
32	0.00035	0.00035	0.00533	0.01343	0.00678	0.00347	0.00135	0.00136
33	0.00035	0.00035	0.00533	0.01420	0.00717	0.00367	0.00143	0.00144
34	0.00035	0.00035	0.00533	0.01517	0.00766	0.00392	0.00153	0.00154
35	0.00035	0.00035	0.00533	0.01635	0.00825	0.00422	0.00164	0.00166
36	0.00035	0.00035	0.00533	0.01774	0.00895	0.00458	0.00178	0.00180
37	0.00035	0.00035	0.00533	0.01935	0.00977	0.00500	0.00195	0.00197
38	0.00035	0.00035	0.00533	0.02119	0.01070	0.00547	0.00213	0.00215
39	0.00035	0.00035	0.00533	0.02327	0.01174	0.00601	0.00234	0.00236
40	0.00046	0.00046	0.00533	0.02559	0.01291	0.00661	0.00257	0.00260
41	0.00056	0.00056	0.00533	0.02816	0.01421	0.00727	0.00283	0.00286
42	0.00067	0.00067	0.00533	0.03099	0.01564	0.00800	0.00312	0.00315
43	0.00068	0.00068	0.00533	0.03409	0.01721	0.00881	0.00343	0.00346
44	0.00071	0.00071	0.00533	0.03747	0.01891	0.00968	0.00377	0.00381
45	0.00075	0.00075	0.00533	0.04113	0.02076	0.01062	0.00414	0.00418
46	0.00079	0.00079	0.00533	0.04509	0.02276	0.01165	0.00453	0.00458
47	0.00086	0.00086	0.00533	0.04935	0.02491	0.01275	0.00496	0.00501
48	0.00094	0.00094	0.00533	0.05392	0.02722	0.01393	0.00542	0.00548
49	0.00103	0.00103	0.00533	0.05882	0.02969	0.01519	0.00592	0.00597
50	0.00114	0.00114	0.00574	0.06405	0.03233	0.01655	0.00644	0.00651
51	0.00127	0.00127	0.00596	0.06962	0.03514	0.01798	0.00700	0.00707
52	0.00141	0.00140	0.00620	0.07554	0.03813	0.01951	0.00760	0.00767
53	0.00158	0.00158	0.00647	0.08182	0.04130	0.02114	0.00823	0.00831
54	0.00177	0.00177	0.00677	0.08847	0.04465	0.02285	0.00890	0.00899
55	0.00202	0.00201	0.00710	0.09550	0.04820	0.02467	0.00961	0.00970
56	0.00229	0.00228	0.00747	0.10292	0.05195	0.02659	0.01035	0.01045
57	0.00261	0.00261	0.00791	0.11074	0.05590	0.02861	0.01114	0.01125
58	0.00299	0.00299	0.00843	0.11897	0.06005	0.03073	0.01197	0.01208
59	0.00341	0.00340	0.00905	0.12762	0.06442	0.03297	0.01284	0.01296
60	0.00390	0.00376	0.00981	0.13670	0.06900	0.03531	0.01375	0.01388
61	0.00446	0.00381	0.01072	0.14623	0.07381	0.03777	0.01471	0.01485

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	0.00509	0.00402	0.01180	0.15642	0.07895	0.04041	0.01573	0.01589
63	0.00582	0.00447	0.01307	0.16731	0.08445	0.04322	0.01683	0.01699
64	0.00661	0.00518	0.01455	0.17897	0.09033	0.04623	0.01800	0.01818
65	0.00749	0.00602	0.01626	0.19144	0.09663	0.04945	0.01925	0.01944
66	0.00849	0.00676	0.01820					
67	0.00958	0.00750	0.02036					
68	0.01076	0.00842	0.02272					
69	0.01212	0.00960	0.02526					
70	0.01363	0.01107	0.02799					
71	0.01536	0.01288	0.03089					
72	0.01733	0.01506	0.03397					
73	0.01959	0.01754	0.03723					
74	0.02216	0.02007	0.04069					
75	0.02515	0.02270	0.04440					
76	0.02848	0.02567	0.04839					
77	0.03237	0.02957	0.05272					
78	0.03678	0.03430	0.05746					
79	0.04182	0.03953	0.06273					
80	0.04757	0.04499	0.06866					
81	0.05424	0.05095	0.07538					
82	0.06170	0.05783	0.08299					
83	0.06999	0.06501	0.09158					
84	0.07955	0.07289	0.10114					
85	0.09010	0.08191	0.11163					
86	0.10191	0.09325	0.12303					
87	0.11535	0.10731	0.13536					
88	0.13060	0.12368	0.14869					
89	0.14678	0.14038	0.16318					
90	0.16489	0.15856	0.17906					
91	0.18423	0.17775	0.19663					
92	0.20570	0.19975	0.21622					
93	0.22833	0.22447	0.23813					
94	0.25261	0.25227	0.26260					
95	0.27922	0.28315	0.28982					
96	0.30687	0.31476	0.31992					
97	0.33699	0.34660	0.35296					
98	0.36892	0.37971	0.38897					
99	0.40165	0.40978	0.42795					
100	0.43603	0.43779	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)

				Temporary Disability				
	Non-Disability		Permanent	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	0.00043	0.00043	0.00290	0.00595	0.00306	0.00220	0.00321	0.00279
31	0.00043	0.00043	0.00290	0.00614	0.00316	0.00227	0.00331	0.00288
32	0.00043	0.00043	0.00290	0.00642	0.00330	0.00238	0.00347	0.00301
33	0.00043	0.00043	0.00290	0.00679	0.00349	0.00251	0.00366	0.00318
34	0.00043	0.00043	0.00290	0.00725	0.00373	0.00268	0.00392	0.00340
35	0.00043	0.00043	0.00290	0.00781	0.00402	0.00289	0.00422	0.00367
36	0.00043	0.00043	0.00290	0.00848	0.00436	0.00314	0.00458	0.00398
37	0.00043	0.00043	0.00290	0.00925	0.00476	0.00342	0.00499	0.00434
38	0.00043	0.00043	0.00290	0.01013	0.00521	0.00375	0.00547	0.00475
39	0.00043	0.00043	0.00351	0.01112	0.00572	0.00412	0.00600	0.00522
40	0.00057	0.00057	0.00369	0.01223	0.00629	0.00453	0.00660	0.00574
41	0.00069	0.00069	0.00393	0.01346	0.00693	0.00498	0.00727	0.00631
42	0.00082	0.00082	0.00421	0.01481	0.00762	0.00548	0.00800	0.00695
43	0.00095	0.00095	0.00455	0.01629	0.00839	0.00603	0.00880	0.00764
44	0.00109	0.00109	0.00493	0.01791	0.00922	0.00663	0.00967	0.00840
45	0.00124	0.00124	0.00534	0.01966	0.01012	0.00728	0.01061	0.00922
46	0.00139	0.00139	0.00580	0.02155	0.01109	0.00798	0.01164	0.01011
47	0.00156	0.00156	0.00629	0.02359	0.01214	0.00873	0.01274	0.01106
48	0.00175	0.00175	0.00680	0.02577	0.01327	0.00954	0.01392	0.01209
49	0.00196	0.00196	0.00734	0.02811	0.01447	0.01041	0.01518	0.01319
50	0.00222	0.00222	0.00790	0.03061	0.01576	0.01133	0.01653	0.01436
51	0.00251	0.00251	0.00848	0.03328	0.01713	0.01232	0.01797	0.01561
52	0.00286	0.00285	0.00910	0.03610	0.01858	0.01337	0.01949	0.01694
53	0.00327	0.00326	0.00975	0.03911	0.02013	0.01448	0.02112	0.01834
54	0.00376	0.00375	0.01047	0.04229	0.02176	0.01566	0.02283	0.01983
55	0.00433	0.00432	0.01127	0.04565	0.02349	0.01690	0.02465	0.02141
56	0.00499	0.00498	0.01217	0.04919	0.02532	0.01821	0.02656	0.02307
57	0.00574	0.00573	0.01320	0.05293	0.02724	0.01960	0.02858	0.02483
58	0.00660	0.00658	0.01438	0.05686	0.02927	0.02105	0.03070	0.02667
59	0.00753	0.00666	0.01571	0.06100	0.03139	0.02258	0.03294	0.02861
60	0.00855	0.00672	0.01719	0.06534	0.03363	0.02419	0.03528	0.03065
61	0.00969	0.00706	0.01884	0.06989	0.03597	0.02588	0.03774	0.03278

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	0.01091	0.00759	0.02065	0.07476	0.03848	0.02768	0.04037	0.03507
63	0.01225	0.00837	0.02262	0.07997	0.04116	0.02961	0.04318	0.03751
64	0.01367	0.00934	0.02476	0.08554	0.04403	0.03167	0.04619	0.04012
65	0.01519	0.01051	0.02706	0.09150	0.04709	0.03388	0.04940	0.04292
66	0.01685	0.01191	0.02953					
67	0.01862	0.01347	0.03219					
68	0.02050	0.01517	0.03506					
69	0.02261	0.01706	0.03815					
70	0.02489	0.01908	0.04149					
71	0.02747	0.02135	0.04511					
72	0.03035	0.02387	0.04902					
73	0.03358	0.02673	0.05327					
74	0.03719	0.02997	0.05789					
75	0.04133	0.03372	0.06292					
76	0.04585	0.03790	0.06842					
77	0.05102	0.04273	0.07442					
78	0.05679	0.04818	0.08100					
79	0.06304	0.05433	0.08819					
80	0.07015	0.06120	0.09606					
81	0.07803	0.06889	0.10466					
82	0.08672	0.07739	0.11403					
83	0.09605	0.08655	0.12422					
84	0.10652	0.09681	0.13526					
85	0.11769	0.10775	0.14718					
86	0.12981	0.11961	0.16000					
87	0.14331	0.13278	0.17374					
88	0.15791	0.14705	0.18843					
89	0.17323	0.16204	0.20407					
90	0.19010	0.17860	0.22067					
91	0.20764	0.19593	0.23826					
92	0.22686	0.21499	0.25683					
93	0.24667	0.23479	0.27638					
94	0.26760	0.25587	0.29693					
95	0.29038	0.27895	0.31846					
96	0.31362	0.30271	0.34098					
97	0.33797	0.32782	0.36604					
98	0.36437	0.35515	0.39109					
99	0.39104	0.38302	0.41614					
100	0.41884	0.41224	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
0	0.01316	55	0.00589
1	0.00118	56	0.00660
2	0.00077	57	0.00720
3	0.00057	58	0.00763
4	0.00043	59	0.00789
5	0.00039	60	0.00811
6	0.00036	61	0.00860
7	0.00034	62	0.00958
8	0.00030	63	0.01089
9	0.00029	64	0.01214
10	0.00029	65	0.01310
11	0.00031	66	0.01398
12	0.00033	67	0.01499
13	0.00036	68	0.01625
14	0.00043	69	0.01773
15	0.00050	70	0.01938
16	0.00052	71	0.02123
17	0.00057	72	0.02353
18	0.00060	73	0.02591
19	0.00060	74	0.02827
20	0.00060	75	0.03028
21	0.00060	76	0.03233
22	0.00060	77	0.03496
23	0.00062	78	0.03818
24	0.00062	79	0.04202
25	0.00063	80	0.04610
26	0.00066	81	0.05025
27	0.00068	82	0.05489
28	0.00071	83	0.06039
29	0.00074	84	0.06649
30	0.00082	85	0.07425
31	0.00090	86	0.08395
32	0.00095	87	0.09503
33	0.00100	88	0.10608
34	0.00105	89	0.11845
35	0.00109	90	0.13108
36	0.00115	91	0.14487
37	0.00122	92	0.16003
38	0.00130	93	0.17747
39	0.00140	94	0.19454
40	0.00152	95	0.21161
41	0.00164	96	0.22826
42	0.00176	97	0.24606
43	0.00188	98	0.26242
44	0.00197	99	0.27936
45	0.00205	100	0.29770
46	0.00214	101	0.31997
47	0.00226	102	0.34281
48	0.00246	103	0.36818
49	0.00266	104	0.39267
50	0.00296	105	0.41723
51	0.00330	106	0.44075
52	0.00378	107	0.46210
53	0.00430	108	0.48333
54	0.00513	109	0.50519

TABLE I8

OFFICER SPOUSES GENERATED BY EACH SPONSOR

(AGE NEAREST BIRTHDAY)

Age	Active Nondisabled	Active Disabled	Reserve Nondisabled	Age	Active Nondisabled	Active Disabled	Reserve Nondisabled
16	0.00016	0.00045	0.00000	64	0.92489	0.74816	0.82213
17	0.00043	0.00122	0.00000	65	0.92793	0.75155	0.82620
18	0.00116	0.00330	0.00000	66	0.93010	0.75483	0.82937
19	0.00313	0.00893	0.00000	67	0.93137	0.75798	0.83166
20	0.00846	0.02417	0.00000	68	0.93174	0.76101	0.83310
21	0.02290	0.06540	0.00000	69	0.93118	0.76393	0.83371
22	0.06195	0.17695	0.00000	70	0.92968	0.76673	0.83350
23	0.16761	0.47875	0.00000	71	0.92720	0.76943	0.83247
24	0.26460	0.48840	0.00000	72	0.92368	0.77201	0.83059
25	0.35292	0.49794	0.00000	73	0.91910	0.77448	0.82786
26	0.43266	0.50735	0.00000	74	0.91341	0.77685	0.82424
27	0.50402	0.51663	0.00000	75	0.90653	0.77911	0.81968
28	0.56730	0.52577	0.00000	76	0.89841	0.80699	0.81413
29	0.62284	0.53478	0.00000	77	0.88896	0.79145	0.80754
30	0.67106	0.54363	0.00000	78	0.87810	0.77500	0.79982
31	0.71240	0.55234	0.00000	79	0.86574	0.75766	0.79089
32	0.74734	0.56089	0.00000	80	0.85176	0.73942	0.78065
33	0.77639	0.56928	0.00000	81	0.83606	0.72033	0.76902
34	0.80004	0.57751	0.00000	82	0.81852	0.70040	0.75586
35	0.81881	0.58557	0.00000	83	0.79900	0.67968	0.74107
36	0.83320	0.59347	0.00000	84	0.77740	0.65823	0.72453
37	0.84372	0.60120	0.00000	85	0.75360	0.63611	0.70612
38	0.85083	0.60876	0.00000	86	0.72751	0.61339	0.68574
39	0.85163	0.61615	0.00000	87	0.69905	0.59018	0.66329
40	0.85253	0.62337	0.00000	88	0.66821	0.56656	0.63871
41	0.85354	0.63042	0.00000	89	0.63501	0.54263	0.61198
42	0.85467	0.63729	0.00000	90	0.59956	0.51850	0.58311
43	0.85591	0.64400	0.00000	91	0.56206	0.49428	0.55220
44	0.85728	0.65054	0.00000	92	0.52279	0.47009	0.51940
45	0.85877	0.65690	0.00000	93	0.48216	0.44605	0.48495
46	0.86040	0.66310	0.00000	94	0.44065	0.42225	0.44918
47	0.86215	0.66914	0.00000	95	0.39883	0.39880	0.41249
48	0.86402	0.67500	0.00000	96	0.35733	0.37582	0.37535
49	0.86602	0.68071	0.00000	97	0.31680	0.35337	0.33830
50	0.86812	0.68625	0.00000	98	0.27786	0.33156	0.30188
51	0.87034	0.69164	0.00000	99	0.24108	0.31045	0.26663
52	0.87265	0.69686	0.00000	100	0.20690	0.29010	0.23306
53	0.87503	0.70193	0.00000	101	0.17568	0.27055	0.20159
54	0.87748	0.70685	0.00000	102	0.14762	0.25186	0.17256
55	0.87998	0.71162	0.00000	103	0.12280	0.23405	0.14620
56	0.88250	0.71624	0.00000	104	0.10116	0.21712	0.12263
57	0.88502	0.72071	0.00000	105	0.08257	0.20103	0.10186
58	0.88768	0.72504	0.00000	106	0.06681	0.18599	0.08381
59	0.89626	0.72923	0.00000	107	0.05360	0.17169	0.04645
60	0.90384	0.73329	0.79561	108	0.03584	0.15834	0.03710
61	0.91046	0.73720	0.80391	109	0.02422	0.14585	0.04428
62	0.91616	0.74098	0.81104	110	0.02013	0.13419	0.02313
63	0.92097	0.74463	0.81709				

TABLE I9

ENLISTEE SPOUSES GENERATED BY EACH SPONSOR

(AGE NEAREST BIRTHDAY)

Age	Active Nondisabled	Active Disabled	Reserve Nondisabled	Age	Active Nondisabled	Active Disabled	Reserve Nondisabled
16	0.01670	0.02437	0.00000	64	0.86060	0.63943	0.78753
17	0.03085	0.04502	0.00000	65	0.86185	0.65031	0.78753
18	0.05700	0.08318	0.00000	66	0.86125	0.66192	0.78753
19	0.10531	0.15368	0.00000	67	0.85988	0.67419	0.78753
20	0.19456	0.19327	0.00000	68	0.85771	0.68708	0.78753
21	0.27609	0.23693	0.00000	69	0.85473	0.70050	0.78753
22	0.35008	0.28335	0.00000	70	0.85091	0.71609	0.78753
23	0.41673	0.33094	0.00000	71	0.84624	0.70705	0.79965
24	0.47631	0.37809	0.00000	72	0.84066	0.69783	0.79577
25	0.52914	0.42334	0.00000	73	0.83412	0.68845	0.79082
26	0.57556	0.46551	0.00000	74	0.82656	0.67892	0.78477
27	0.61596	0.50375	0.00000	75	0.81793	0.66923	0.77755
28	0.65075	0.53754	0.00000	76	0.80814	0.65940	0.76908
29	0.68036	0.56666	0.00000	77	0.79710	0.64942	0.75928
30	0.70525	0.59105	0.00000	78	0.78474	0.63932	0.74806
31	0.72589	0.61081	0.00000	79	0.77096	0.62909	0.73533
32	0.74274	0.62607	0.00000	80	0.75565	0.61874	0.72097
33	0.75630	0.63700	0.00000	81	0.73873	0.60829	0.70488
34	0.76702	0.64374	0.00000	82	0.72010	0.59773	0.68696
35	0.77537	0.64639	0.00000	83	0.69968	0.58709	0.66713
36	0.78178	0.64500	0.00000	84	0.67741	0.57636	0.64530
37	0.78668	0.63952	0.00000	85	0.65324	0.56556	0.62142
38	0.79044	0.62990	0.00000	86	0.62717	0.55469	0.59548
39	0.79084	0.65864	0.00000	87	0.59922	0.54378	0.56751
40	0.79134	0.64723	0.00000	88	0.56950	0.53282	0.53760
41	0.79196	0.63655	0.00000	89	0.53813	0.52183	0.50590
42	0.79271	0.62665	0.00000	90	0.50533	0.51081	0.47264
43	0.79361	0.61758	0.00000	91	0.47137	0.49979	0.43813
44	0.79467	0.60935	0.00000	92	0.43659	0.48877	0.40275
45	0.79591	0.60199	0.00000	93	0.40138	0.47776	0.36694
46	0.79734	0.59554	0.00000	94	0.36619	0.46677	0.33120
47	0.79895	0.59000	0.00000	95	0.33147	0.45581	0.29605
48	0.80076	0.58539	0.00000	96	0.29768	0.44490	0.26198
49	0.80276	0.58171	0.00000	97	0.26524	0.43404	0.22948
50	0.80492	0.57898	0.00000	98	0.23455	0.42324	0.19895
51	0.80722	0.57720	0.00000	99	0.20592	0.41251	0.17071
52	0.80964	0.57638	0.00000	100	0.17957	0.40187	0.14501
53	0.81212	0.57651	0.00000	101	0.15566	0.39132	0.12195
54	0.81463	0.57760	0.00000	102	0.13425	0.38086	0.10156
55	0.81711	0.57964	0.00000	103	0.11532	0.37052	0.08379
56	0.81951	0.58263	0.00000	104	0.09877	0.36030	0.09239
57	0.82176	0.58657	0.00000	105	0.08445	0.35020	0.07568
58	0.82381	0.59144	0.00000	106	0.07222	0.34023	0.06143
59	0.82561	0.59723	0.00000	107	0.06186	0.33040	0.04944
60	0.84654	0.60394	0.78753	108	0.05316	0.32072	0.03947
61	0.85194	0.61153	0.78753	109	0.04591	0.31110	0.03126
62	0.85608	0.62000	0.78753	110	0.03991	0.30182	0.02456
63	0.85896	0.62931	0.78753				

APPENDIX J

MISCELLANEOUS VALUATION PARAMETERS

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

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
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. Typically 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 program for the Military Retirement Fund

TERM / ACRONYM	DEFINITION
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
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 Undersecretary of Defense for Personnel and Readiness; formally established under Department of Defense (DoD)

TERM / ACRONYM	DEFINITION
	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