



Defense Safety Oversight Council

May 16, 2006

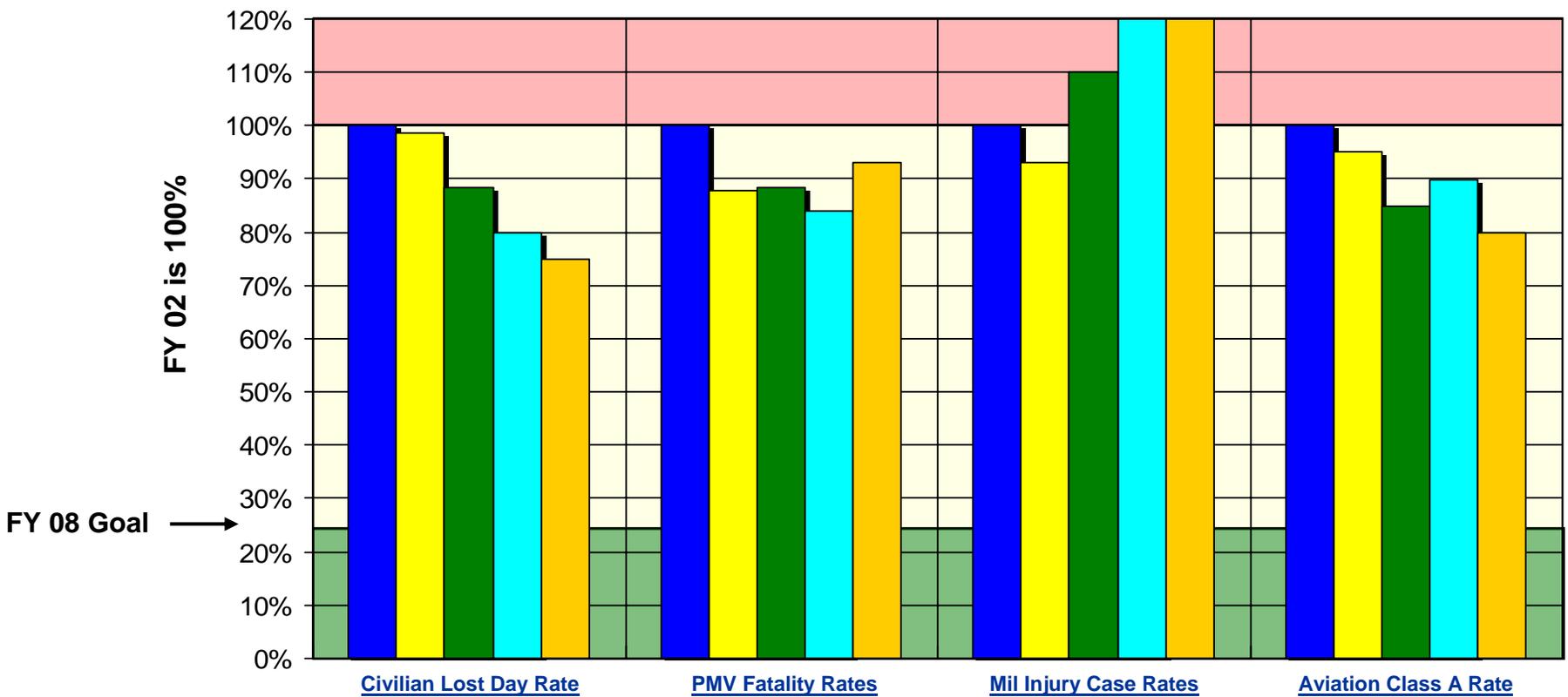


Agenda

- **Metrics Review**
- **Washington Headquarters Service Safety Update**
- **Installation and Industrial Operations Task Force Update**
- **Private Motor Vehicle Fatality Discussions**



Overall DoD DSOC Metrics

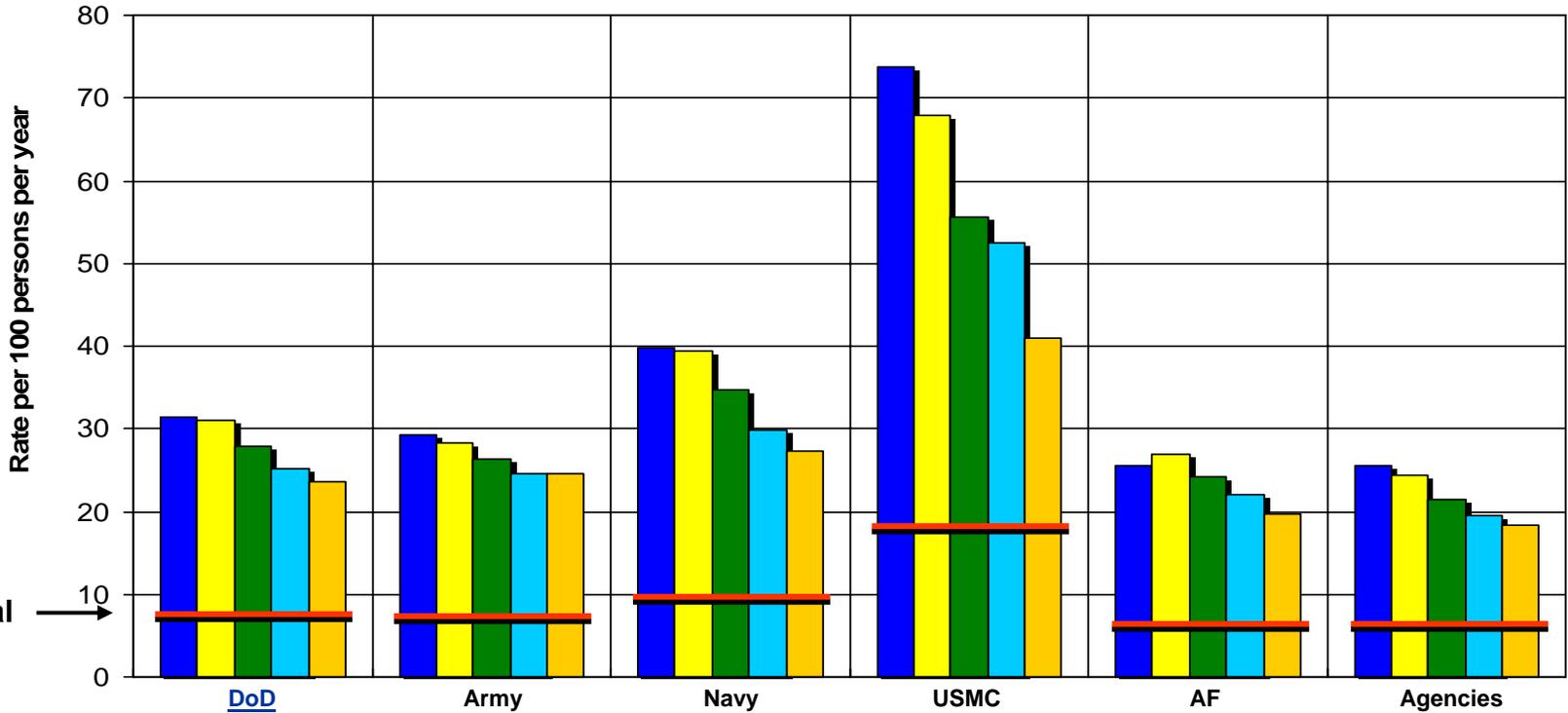


	<u>Civilian Lost Day Rate</u>	<u>PMV Fatality Rates</u>	<u>Mil Injury Case Rates</u>	<u>Aviation Class A Rate</u>
Baseline FY 02	31.5	20.5	2.0	2.0
FY 03	31.1	18.0	1.8	1.9
FY 04	27.8	18.1	2.2	1.7
FY 05	25.2	17.2	2.4	1.8
FY 06 (April)	23.6	18.9	2.4 See Note	1.6
FY 08 Goal	7.87	5.15	.5	.5

Note: Military Injury Rates as of February 2006



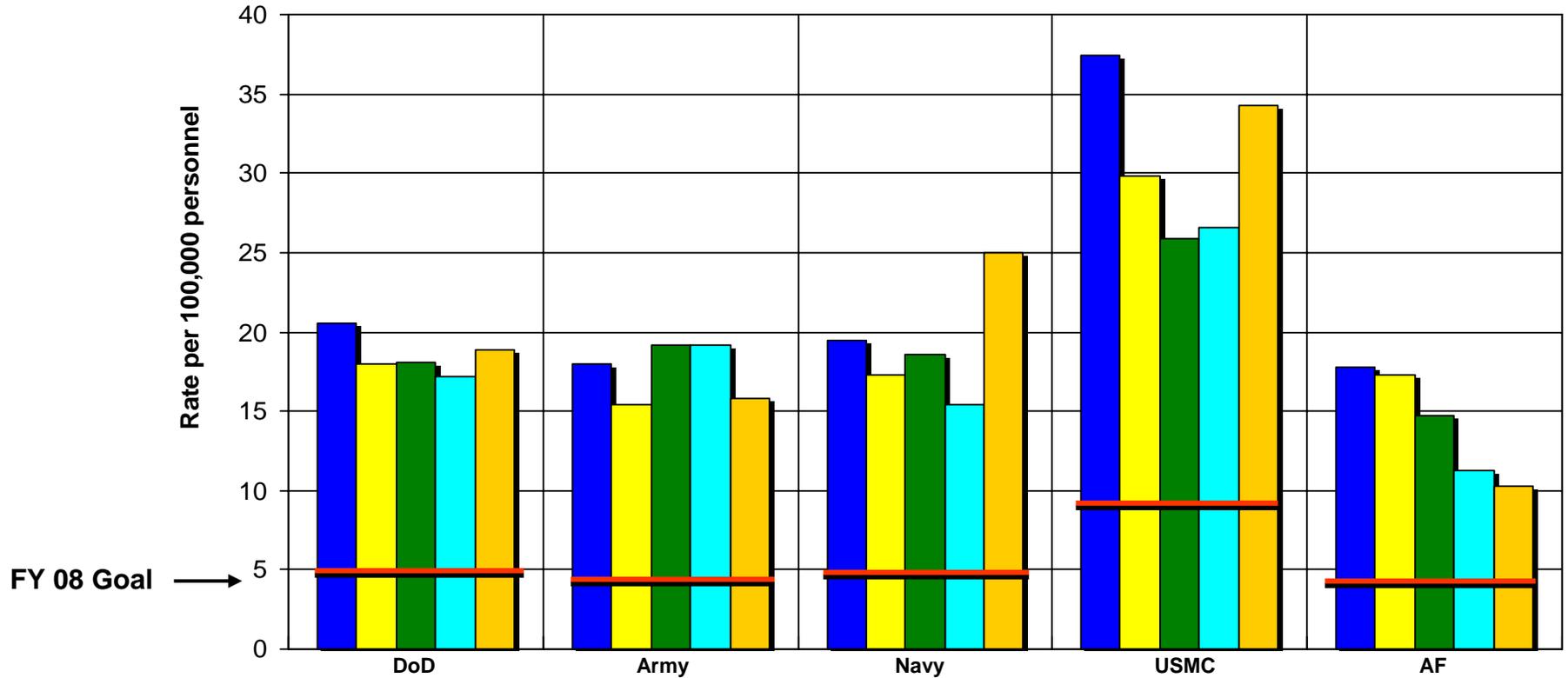
Overall Civilian Lost Day Rates



	DoD	Army	Navy	USMC	AF	Agencies
Baseline FY 02	31.5	29.3	39.8	73.8	25.6	25.6
FY 03	31.1	28.3	39.4	67.0	26.9	24.5
FY 04	27.9	26.3	34.7	55.7	24.2	21.5
FY 05	25.2	24.6	29.9	52.6	22.1	19.5
FY 06(April 15)	23.6	24.6	27.4	40.9	19.7	18.4
Reduction to Date	25%	16%	31%	45%	23%	28%



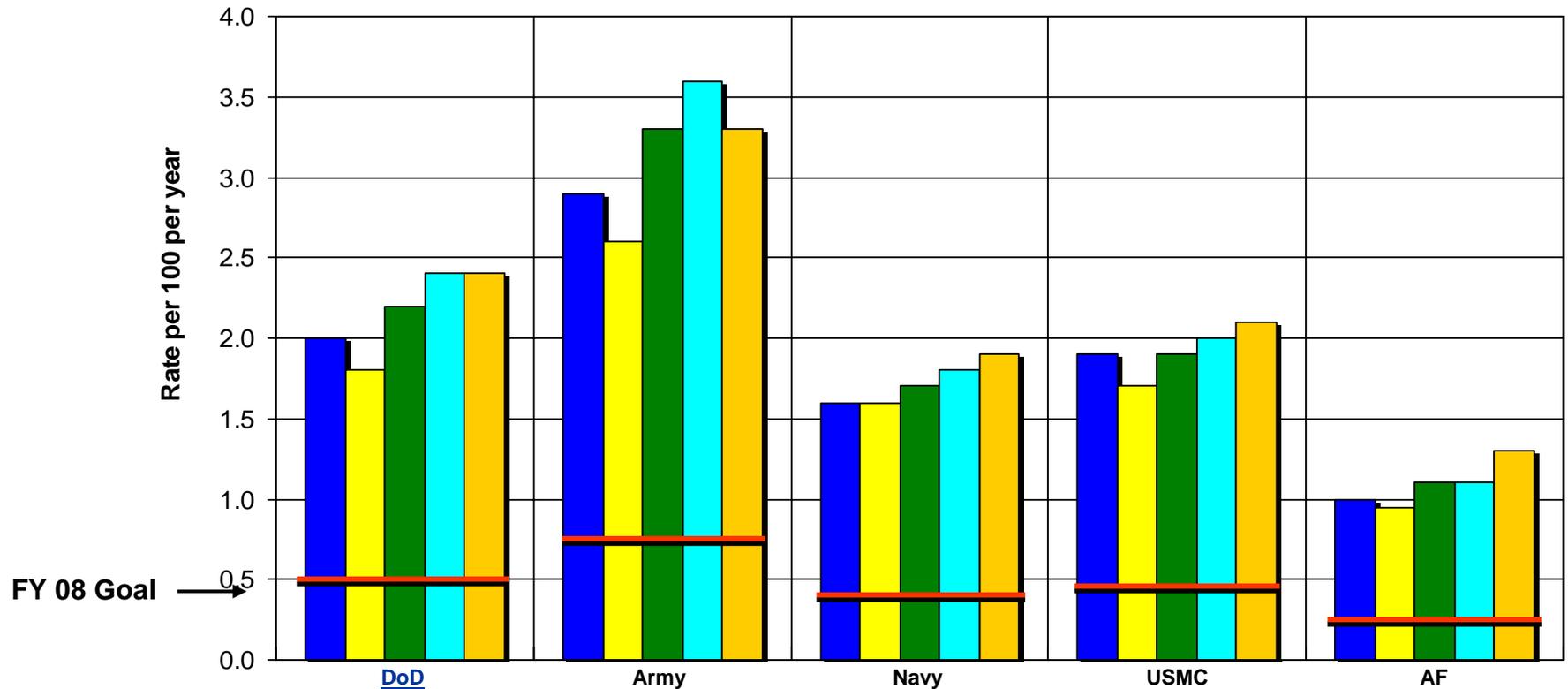
Private Motor Vehicle Fatality Rates



Baseline FY 02		20.5	18.0	19.5	37.4	17.8
FY 03		18.0	15.4	17.3	29.8	17.3
FY 04		18.1	19.2	18.6	25.9	14.7
FY 05		17.2	19.2	15.4	26.6	11.3
FY 06 (April)		18.9	15.8	25.0	34.3	9.4
Reduction to Date		7%	18%	(28%)	8%	42%



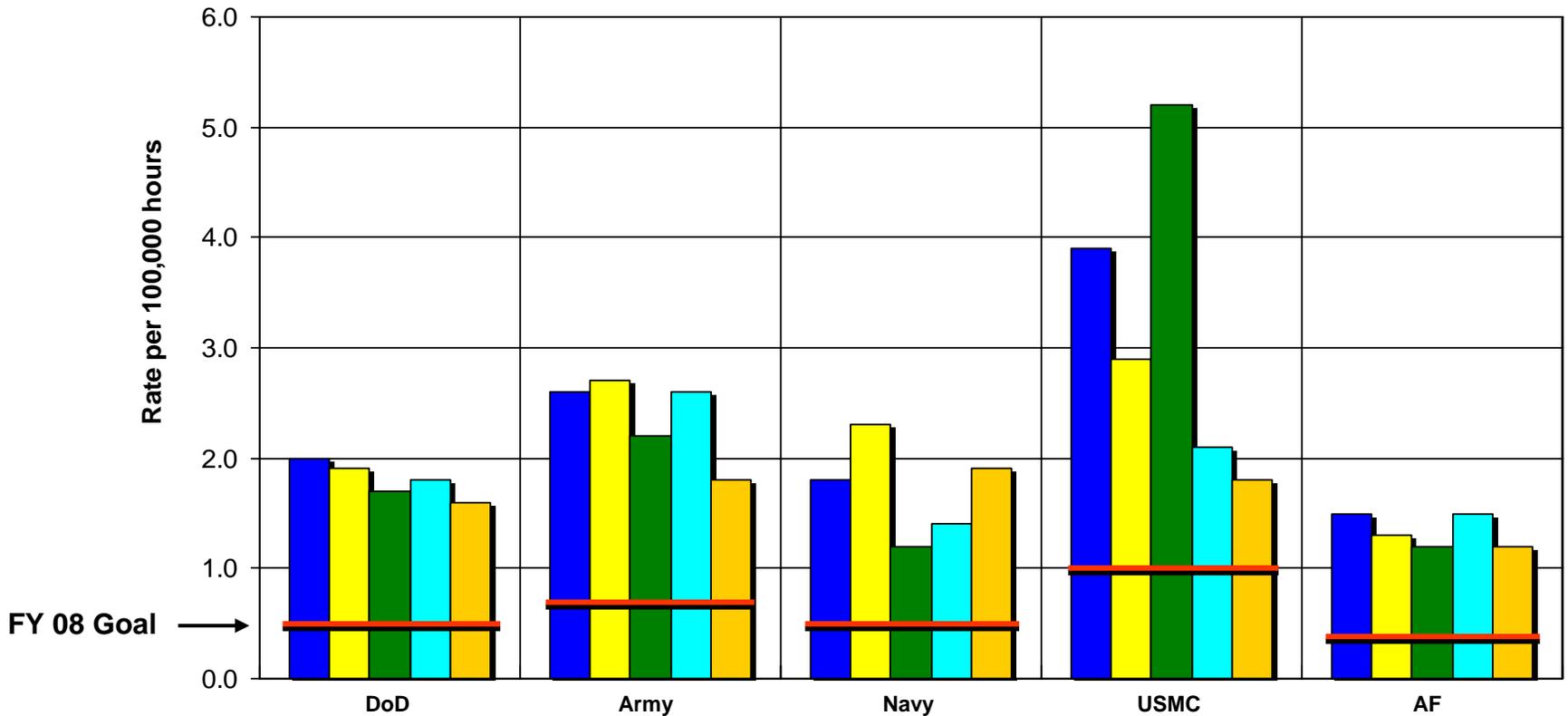
Military Injury Case Rates



	DoD	Army	Navy	USMC	AF
Baseline FY 02	2.0	2.9	1.6	1.9	1.0
FY 03	1.8	2.6	1.6	1.7	.95
FY 04	2.2	3.3	1.7	1.9	1.1
FY 05	2.4	3.6	1.8	2.0	1.1
FY 06(February)	2.4	3.3	1.9	2.1	1.3
Reduction to Date	(20%)	(14%)	(19%)	(11%)	(30%)



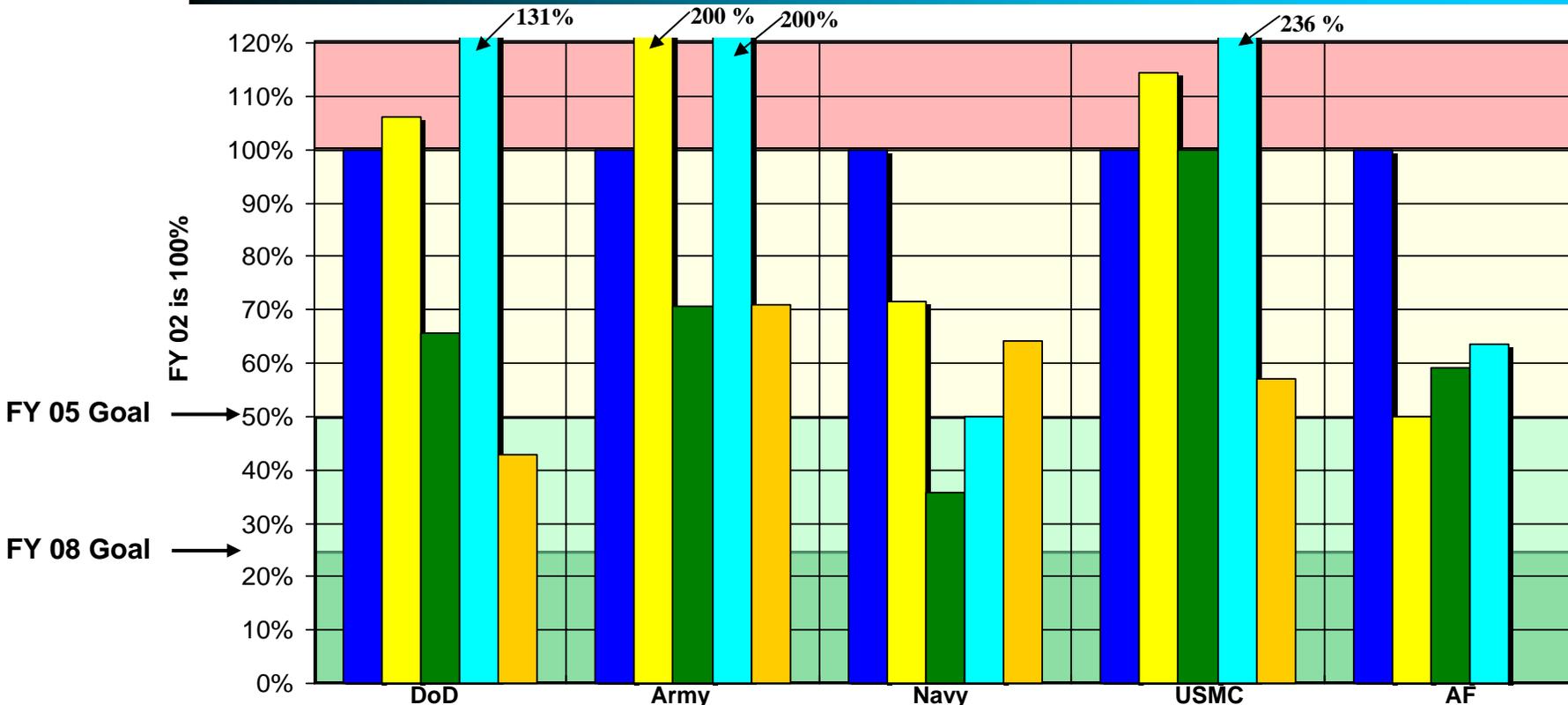
Aviation Class 'A' Flight Mishap Rates



Baseline FY 02	2.0	2.6	1.8	3.9	1.5
FY 03	1.9	2.7	2.3	2.9	1.3
FY 04	1.7	2.2	1.2	5.2	1.2
FY 05	1.8	2.6	1.4	2.1	1.5
FY 06 (April)	1.6	1.8	1.9	1.8	1.2
Reduction to Date	20%	30%	(5%)	54%	20%



Aviation Fatalities

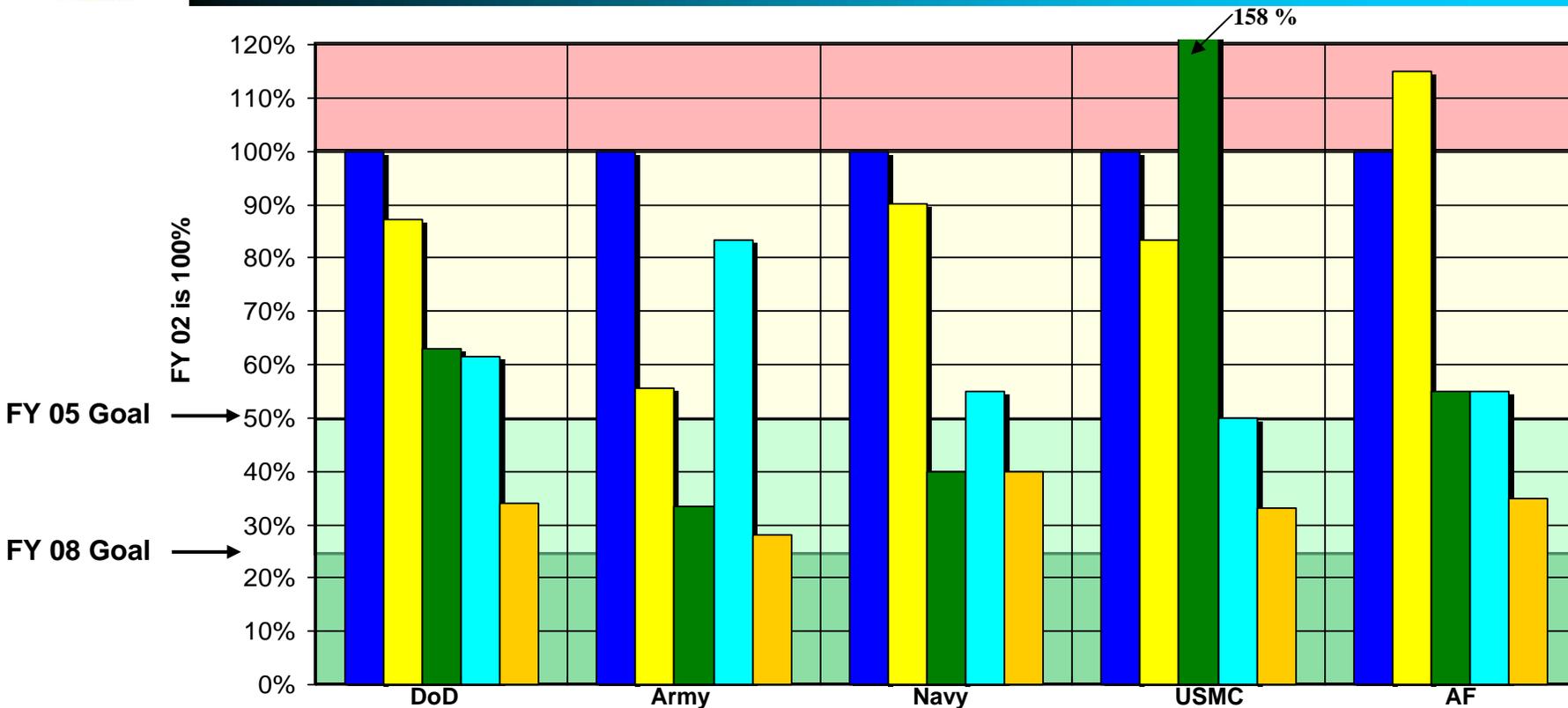


Baseline FY 02		67	17	14	14	22
FY 03		71	34	10	16	11
FY 04		44	12	5	14	13
FY 05		88	34	7	33	14
FY 06 (April)		29	12	9	8	0
FY 08 Goal		17	5	4	4	6

Source: Safety Centers, Aviation Flight, Flight Related, and Ground Operations fatalities



Destroyed Aircraft



	DoD	Army	Navy	USMC	AF
Baseline FY 02	70	18	20	12	20
FY 03	61	10	18	10	23
FY 04	44	6	8	19	11
FY 05	43	15	11	6	11
FY 06 (April)	24	5	8	4	7
FY 08 Goal	17	5	5	3	5



Next DSOC

July 18th

10:30 to 11:30 a.m.

2C554, Room # 7

Washington Headquarters Services

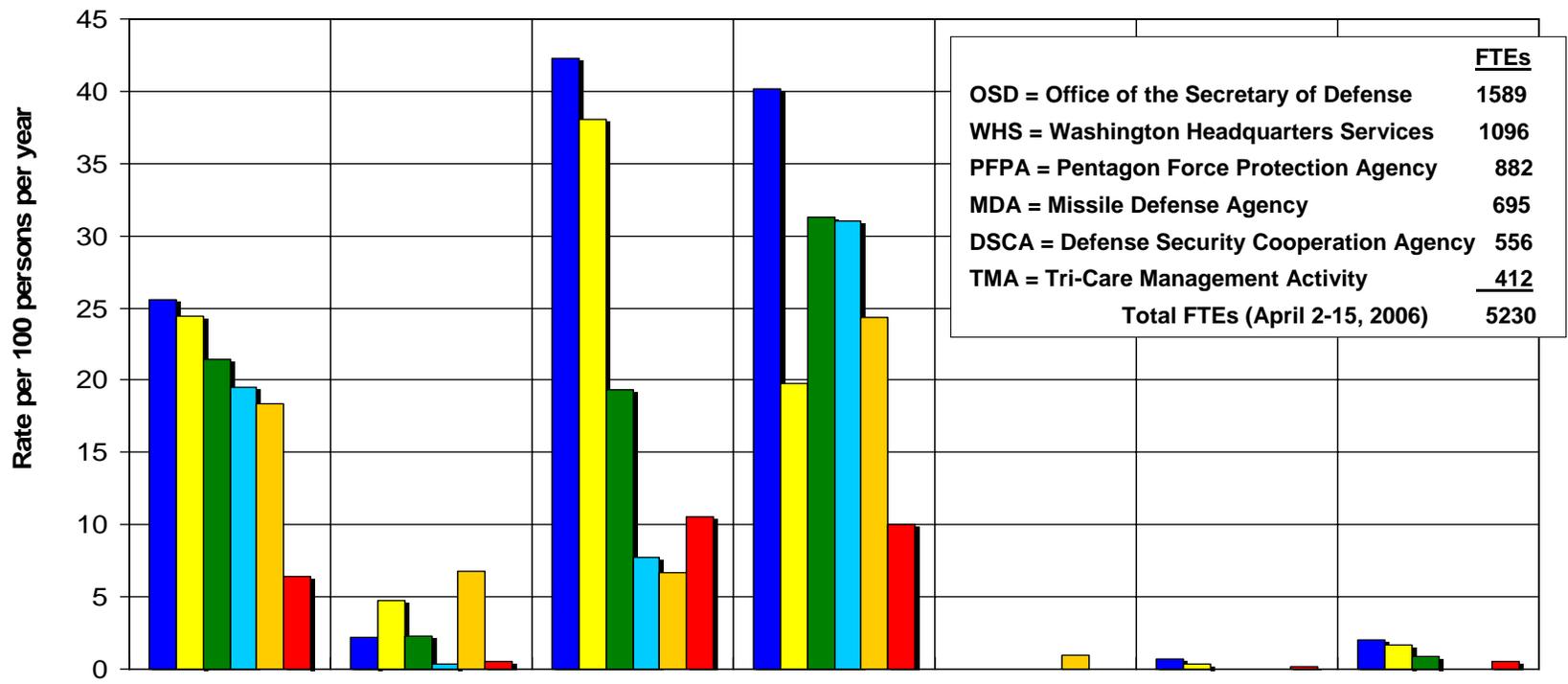


Progress Report to DSOC

- WHS VPP Journey
- ESOHCAMP
- PENREN SOH Program

Bradley Provancha
Acting Director
Defense Facilities Directorate
16 May 2006

DoD & WHS Agencies: Civilian Lost Day Rates



	FTEs
OSD = Office of the Secretary of Defense	1589
WHS = Washington Headquarters Services	1096
PFFA = Pentagon Force Protection Agency	882
MDA = Missile Defense Agency	695
DSCA = Defense Security Cooperation Agency	556
TMA = Tri-Care Management Activity	412
Total FTEs (April 2-15, 2006)	5230

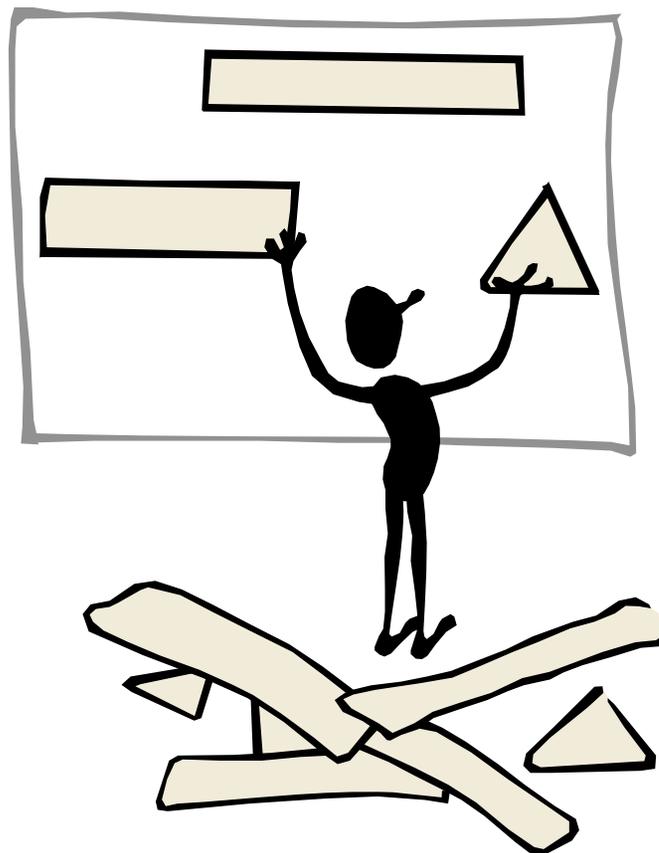
	DoD Agencies	OSD	WHS	PFFA	MDA	DSCA	TMA
Baseline FY 02	25.6	2.2	*42.3 vs. 69.6	*40.2 vs. 69.6	0.0	0.7	2.0
FY 03	26.9	4.7	38.1	19.7	0.0	0.3	1.7
FY 04	24.2	2.3	19.3	31.3	0.0	0.0	0.9
FY 05	22.1	0.3	7.8	31.0	0.0	0.0	0.0
FY 06 (April 15)	19.7	6.7	6.7	24.3	1.0	0.0	0.0
FY 08 Goal (-75%)	6.4	0.6	10.6	10.1	0.0	0.2	0.5
Reduction to Date	23%	- 204%	84%	40%	(- 1.0/0.0)%	100%	100%

Source: DMDC/DFAS pay records, days lost per 100 employees per year. * Baseline = FY02-04 average vs. FY02 spike due to 9/11 lost days.

1. WHS Voluntary Protection Program (VPP) Journey

Overview

- **Change the Culture**
- **Improve the SOH Management System**
- **Short-term Goals**



WHS VPP Journey

Change the Culture

- **Management Commitment**
 - **Accountability**
 - Serious Safety Infractions = Serious Consequences
 - *Performance Indicators: " Work practices comply with applicable safety and occupational health standards, rules, regulations, policies, and procedures - Participation in safety walkthroughs, inspections and audits is considered an integral part of agency operations.- Unsafe conditions and/or procedures are, to the extent possible, identified and reported and any prescribed corrective action supported. - Concerns and/or opinions on safety issues, dissenting or otherwise, are freely expressed as appropriate."*
 - **Managers have to “Walk-the-Talk”**
 - Wear PPE
 - Housekeeping
 - **Resources**
 - Time
 - Money

WHS VPP Journey

Change the Culture (Cont'd)

- **Employee Ownership**
 - Empowerment
 - “Buy-In”
- **Employees *feel* that they are our most important assets. No job is so important that a recognized hazard remains uncorrected.**
- **Create an atmosphere of safety awareness so that all employees understand that they bear the responsibility of working safely, *as well as helping their co-workers to work safely.***



WHS VPP Journey

Improve the SOH Management System

- **Change from “Reactionary” to “Anticipatory” (Ongoing)**
 - Integrated Safety Environmental and Fire Management System (ISEFMS)
 - Hazard Identification and Analysis
 - Improve Communication
 - Achieve Compliance
- **Improve Documentation and Training (Ongoing Now)**
 - Confidence
 - Metrics Beyond Injury and Illness Stats
- **Risk Management**
 - Find A Problem = Fix A Problem (Fast)
 - Accountability

WHS VPP Journey

Short-Term Goals

- **Benchmark**
 - Attend VPPPA Conferences (July/Aug 2006)
 - Visit VPPP Sites (Mint/NASA) (by October 2006)
- **Align Integrated Safety, Environmental & Fire Protection Management System to VPP Requirements**
 - Training and Outreach
 - “High” Hazard Mapping (Dec 06)
 - Gap Analysis (Current-Dec 07)
- **Empower Employees**
 - Performing Hazard Assessments (Fall 06)
 - Input into Hazard Correction Systems (Dec 06)



2. ESOHCAMP

Overview

- **What is an ESOHCAMP?**
- **Objectives**
- **Initial Planning Meeting with ANG**
- **Six Protocols**
 - **Environmental Compliance (13)**
 - **Occupational Health Compliance (21)**
 - **Construction Safety Compliance (3)**
 - **Ground Safety Compliance (15)**
 - **Weapons Safety Compliance (8)**
 - **Flight Safety Compliance (10)**
- **Road Ahead**

ESOH CAMP

Environmental, Safety & Occupational Health Compliance Assessment & Management Program

- **Base-level audit program to achieve regulatory compliance:**
 - **Internal assessments each year**
 - **External assessments every three years**

ESOH CAMP

Objectives

- Establish the use of assessments to ensure compliance with all applicable ESOH regulations
- Secure information that allows installation commanders to manage, anticipate & prevent ESOH problems
- Provide data to identify, program & budget for ESOH requirements
- Provide accurate and complete information to the public on the installation's ESOH compliance programs

ESOHHCAMP

Initial Planning Meeting with Air National Guard (ANG) - Dec 05

– ESOHCAMP Timeframe

- WHS and ANG agreed on June 06

– Cost

- ANG estimated \$120K
- Size of ANG Team for 1-week assessment
- OSD(P&R) proposed to fund (18Oct05)

– Scope

- Pentagon, Navy Annex, Pentagon Heating & Refrigeration Plant
- All Five Protocols if non-WHS Components concur

ESOH CAMP

Sample Protocol - Occupational Health (1 of 6)

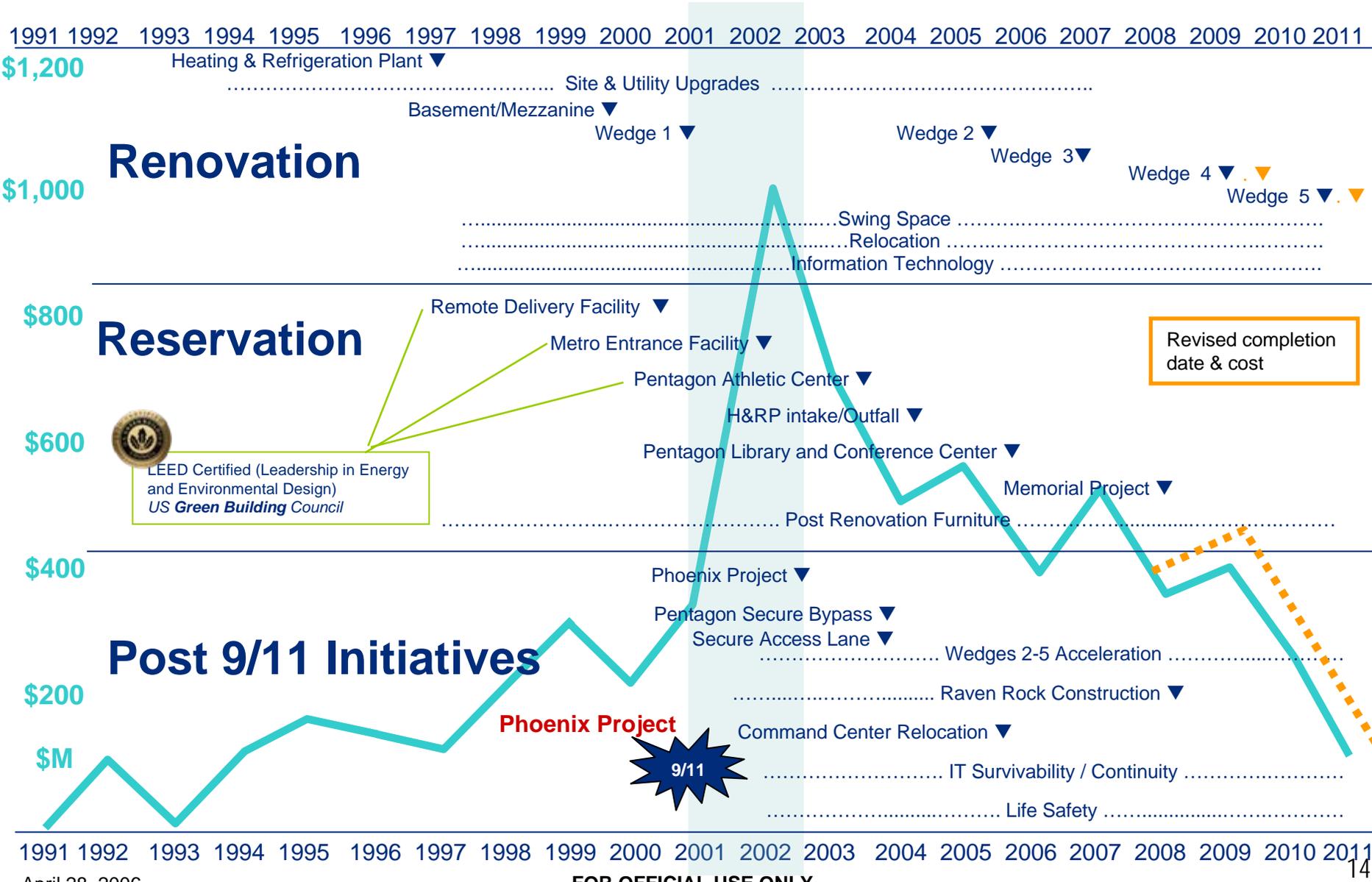
Protocol	Scope/Applicability
Basic Program	See following
Illness and Injury	Investigation and tracking
Hazard Communication	Storage, labeling, handling of hazardous materials; MSDS's
Personal Protective Equipment	PPE SOP's and use
Occupational Noise	Noise hazard areas and monitoring
Ionizing Radiation	Minimal sources
Non-Ionizing Radiation	Mostly roof sources

3. PENREN Safety & Occupational Health (SOH) Program

OVERVIEW

- **SOH Program**
- **Costs**
- **Training**
- **Metrics**
- **Organization**

Renovation & Construction Programs



PENREN SOH Program

Regulatory

- **Standard Operating Guidelines – EO, DoDIs, DoDDs & OSHA**
- **Program Policies**
- **Contract Requirements – FAR clauses incorporate OSHA & EM 385-1-1, USACE Safety & Health Requirements Manual**

Operational

- **Award Fee Board Member & Performance Evaluator**
- **Weekly Progress Meetings**
- **Weekly/Daily Safety Reports & Feedback**
- **Monthly Safety IPT Meeting**
- **Monthly Director's Management Review**

PENREN SOH Program

Training

In-House and On-Site

- **Construction Safety Orientation – All Program Employees**
- **OSHA 10-hour (certified) – Program Employees & any interested government & contractor personnel**
- **Asbestos, Lead, Mold, Demolition Awareness Training – Same**
- **Confined Space & Fall Protection – Same**
- **Respiratory Training & Fit-Testing – Program Employees only**

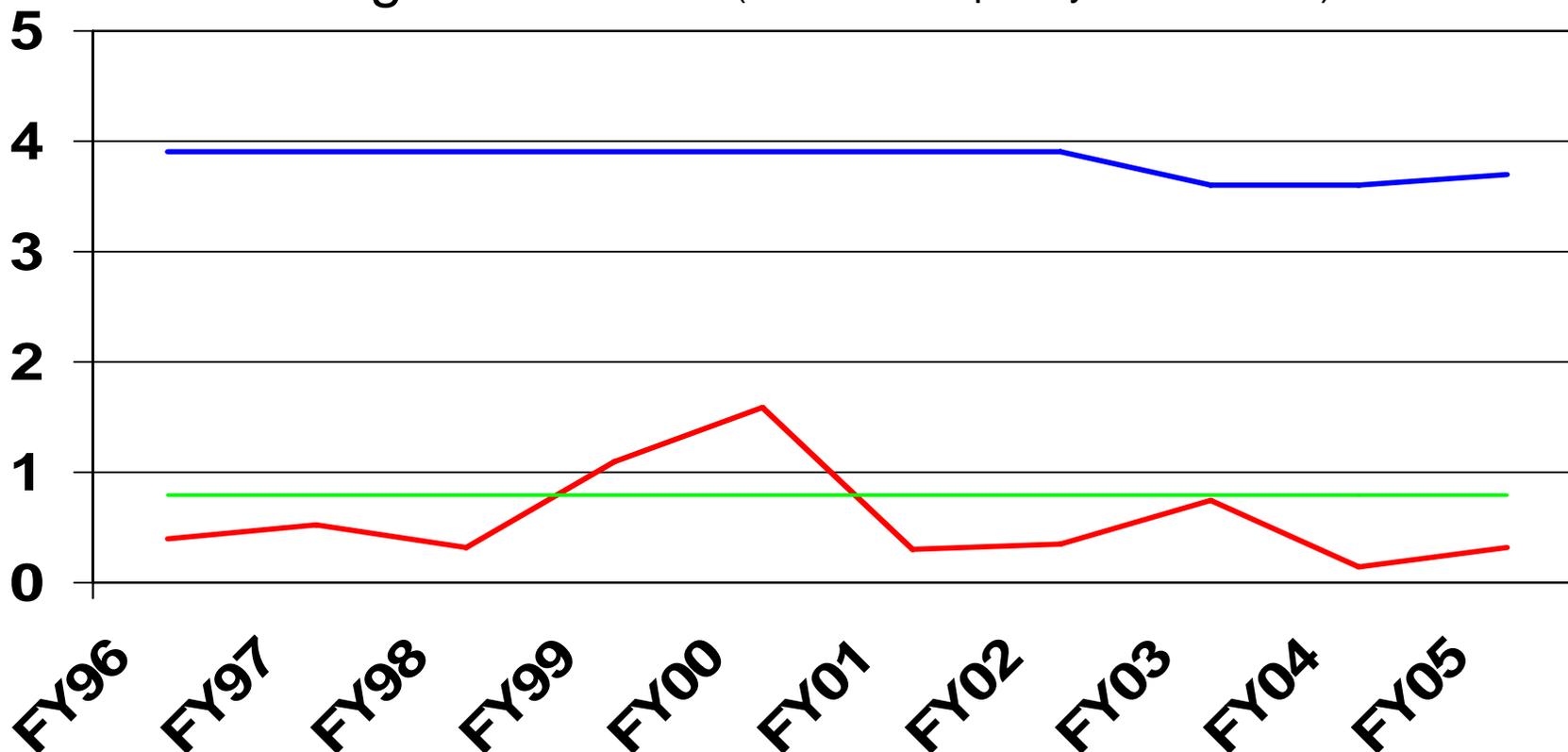
Contracted

- **Asbestos Worker/Supervisor Certification – Program Employees**

ALL PROGRAM SAFETY PERSONNEL MAINTAIN OSHA COMPETANT PERSON CLASSIFICATIONS & STATE LICENSES/CERTIFIICATIONS

PENREN SOH Program

Program Metrics (10-Year Frequency Rates Trend)



— PENREN — BLS Avg — PENREN Goal

Frequency Rate = # Lost Time Accidents x 200,000 / Total Manhours
 Fatalities wi/Boards of Investigation: Wedge 1 (22Dec99), MEF (28Mar02)

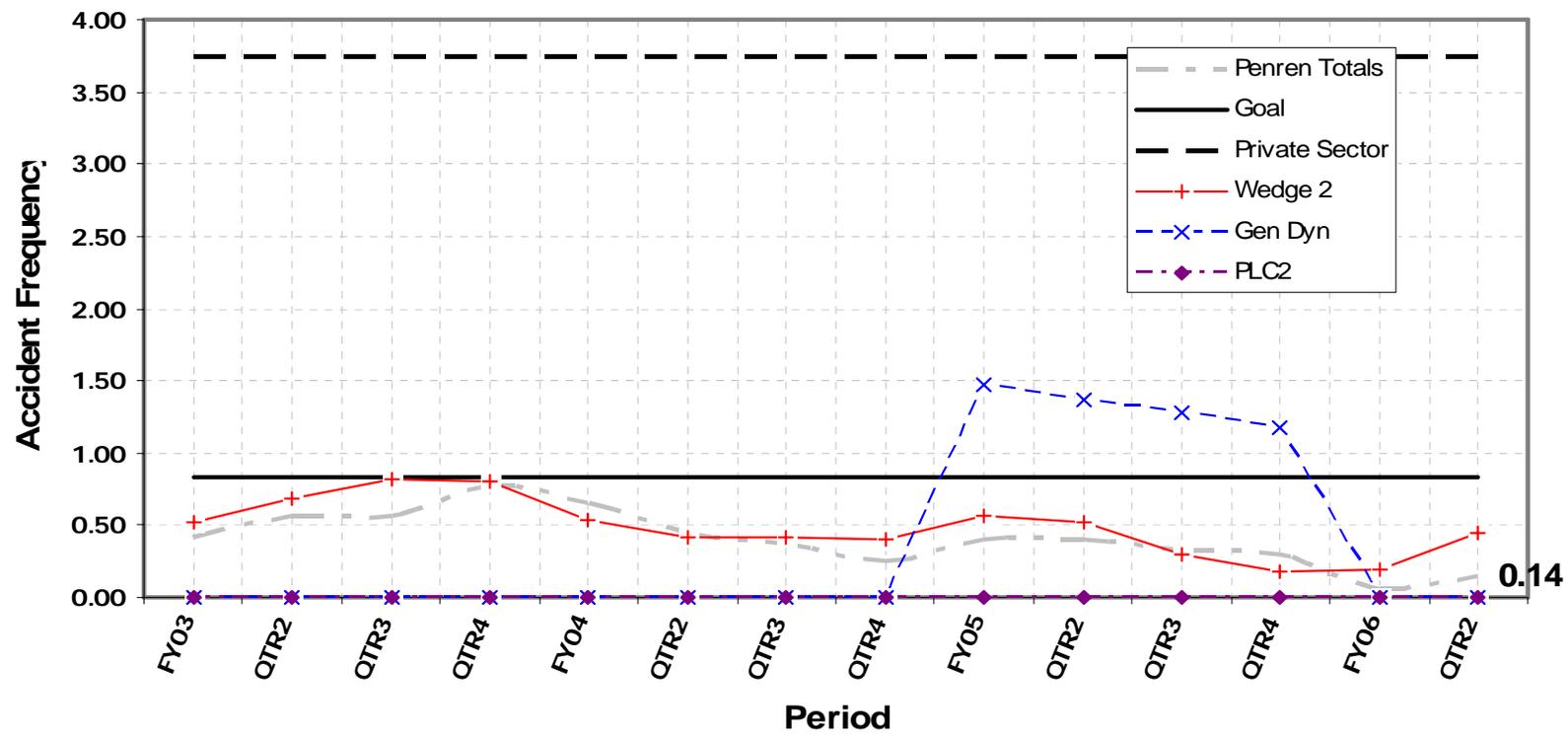
PENREN SOH Program

- Exposure Data – Lost Time Only

Manhours FY06 – 869,139 (.46 FR)
 Accidents - 2
 Manhours FY05 – 3,231,557 (.31 FR)
 Accidents - 5
 Manhours FY04 – 4,055,319 (.15 FR)
 Accidents - 3

Frequency Rate = # Lost Time Accidents x 200,000 / Manhours

Lost Time 12 Month Accident Frequency



PENREN SOH Program

ORGANIZATIONAL STRUCTURE

- **Government Employees: 40 WHS-PENREN, 40 Army IT**
- **Contractors: 350 Joint Venture, 800 Construction**
- **Safety Reports to PENREN Director & two Primary Deputies**
- **Safety Manpower:**
 - **Manager/Safety Officer**
 - **Fire Protection Engineer (contractor)**
 - **Safety/Industrial Hygienist (contractor)**
 - **Safety Personnel (2 government & 3 contractor)**
- **Flexible work schedule ensures 24/7 availability**

WHS PROGRESS REPORT TO DSOC

SUMMARY

1. **WHS VPP Journey**
2. **ESOH CAMP**
3. **PENREN SOH Program**

WHS Progress Report To DSOC

- **Comments?**
- **Questions?**
- **Suggestions?**



Thank you



Installation and Industrial Operations Task Force (IIO TF)

Update to the Defense Safety Oversight Council

May 16, 2006

**RDML McKnight
Task Force Chair**



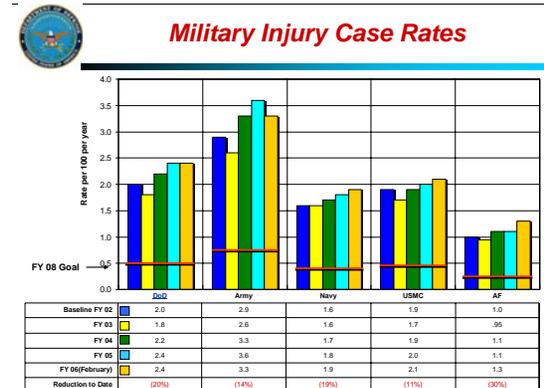
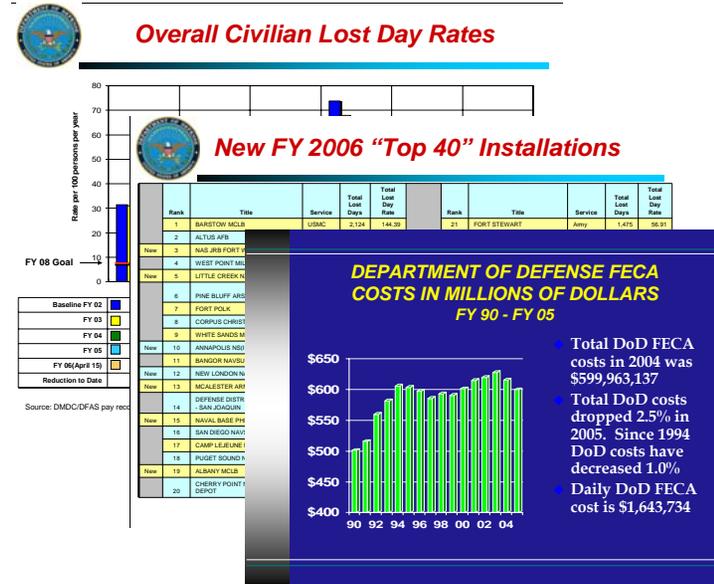
Data, Trends, and Causal Factors

■ Civilian Injuries

- Decreasing lost time rates
- Improvements in “Top 40” installations
- Saving workers’ compensation

■ Military Injuries

- Identified top causes
- Priority for DSOC





Data, Trends, and Causal Factors

■ Near term data analysis

- Identify and target occupations with highest lost time
 - Analysis of DMDC and CPMS data
 - Develop mitigation recommendations

Causes
Slips, trips, and falls
Lifts/carries
Struck by

■ Emerging data analysis

- Defense Safety Enterprise System
- Common data elements



Initiatives Working

- **GPS Vehicle Tracking and Monitoring System**
- **Voluntary Protection Program Centers of Excellence (VPP)**



Initiatives Working

- **Voluntary Protection Programs Centers of Excellence**
 - 42 Sites Nominated
 - Air Force (10)
 - Army (11)
 - DLA (5)
 - Marines (5)
 - Navy (10)
 - WHS (Pentagon)
 - 81% of Assessment Visits Completed or Scheduled
 - Remote and on-site support tools to Installation Commanders



Initiatives Working

- **GPS Vehicle Tracking and Monitoring System**
 - Sound business case
 - Policy language being incorporated in revision of DoDI 6055.4, *DoD Traffic Safety Program*



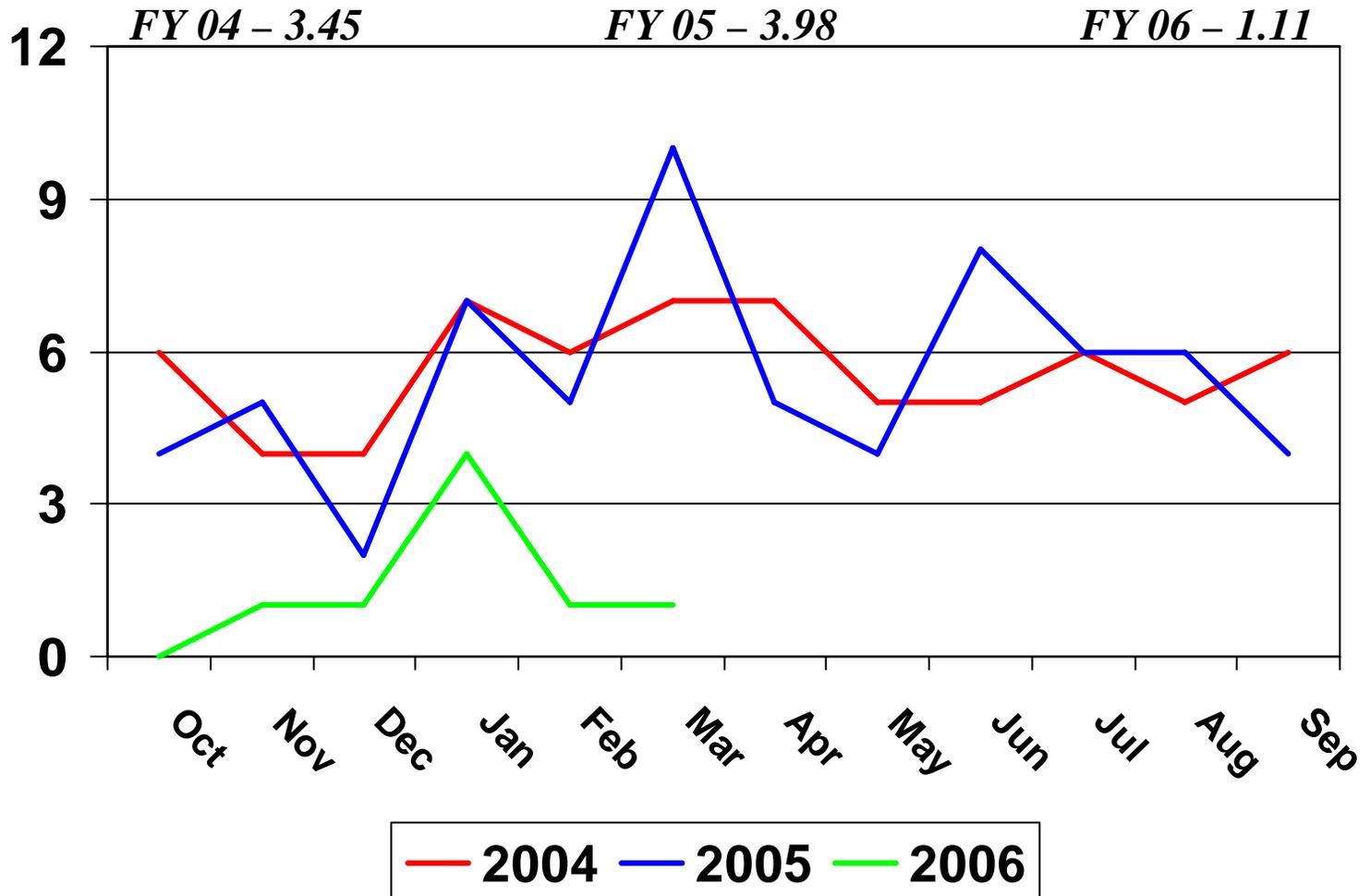
Way Ahead

- **VPP On-Line Safety Training for Supervisors**
- **VPP Hazard Abatement Program**
- **3-D Safety Training Experience**



Defense Distribution Depot, San Joaquin, CA

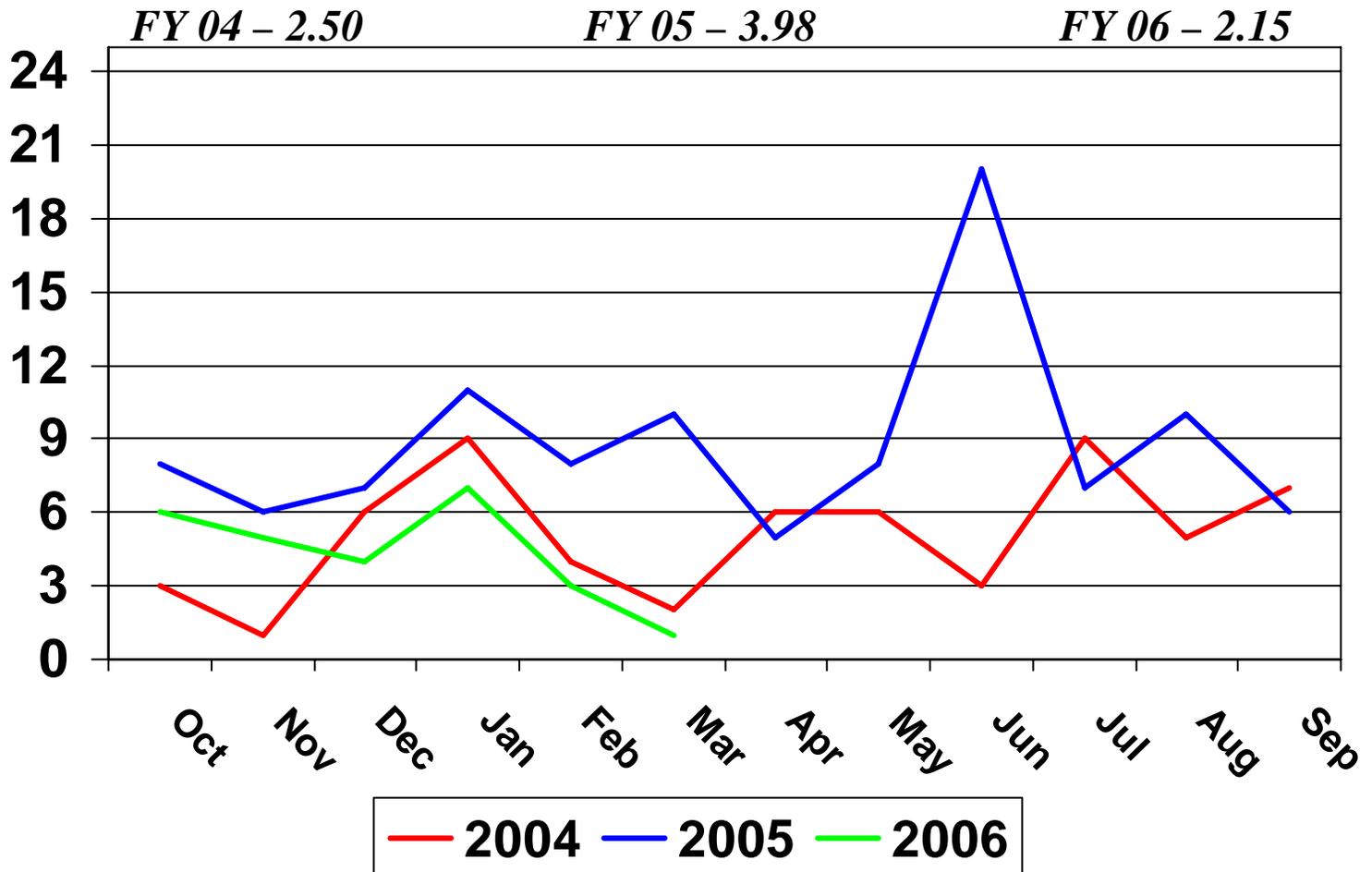
Lost Time Case Rate





Defense Distribution Depot Susquehanna, PA

Lost Time Case Rate







Private Motor Vehicle Task Force

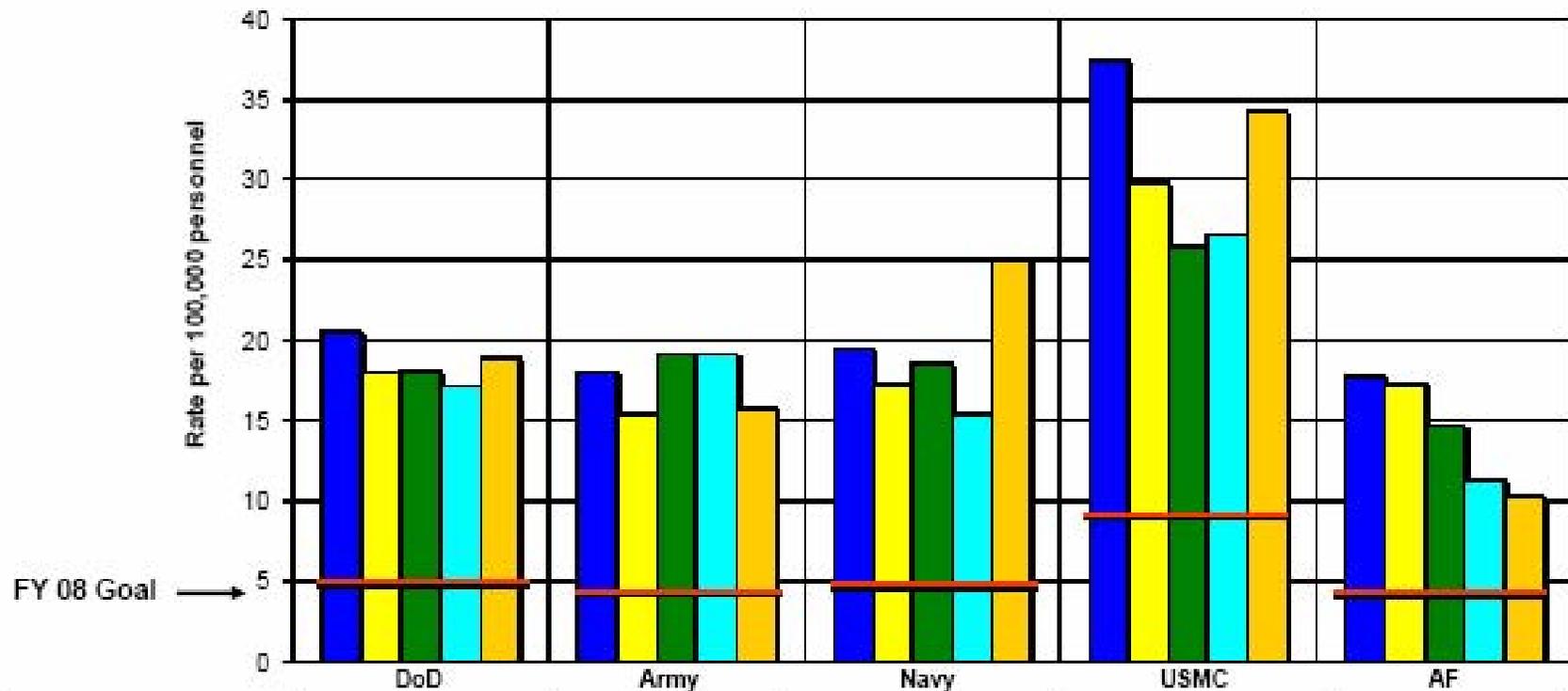
DSOC Update

MajGen D. F. Bice

16 May 2006



Private Motor Vehicle Fatality Rates

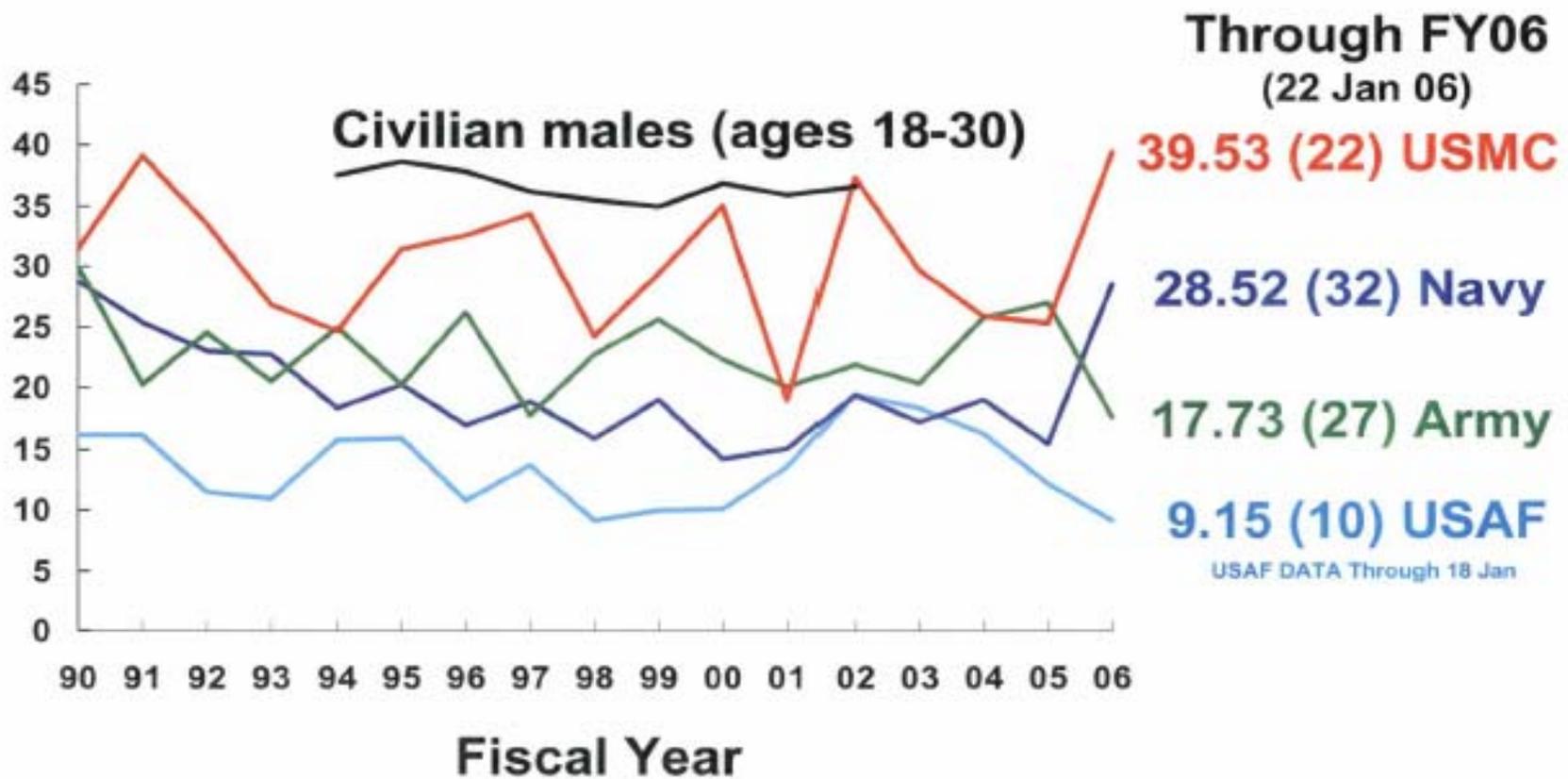


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Reduction to Date	7%	18%	(28%)	8%	42%

Source: Safety Centers. Rate per 100,000 military members.



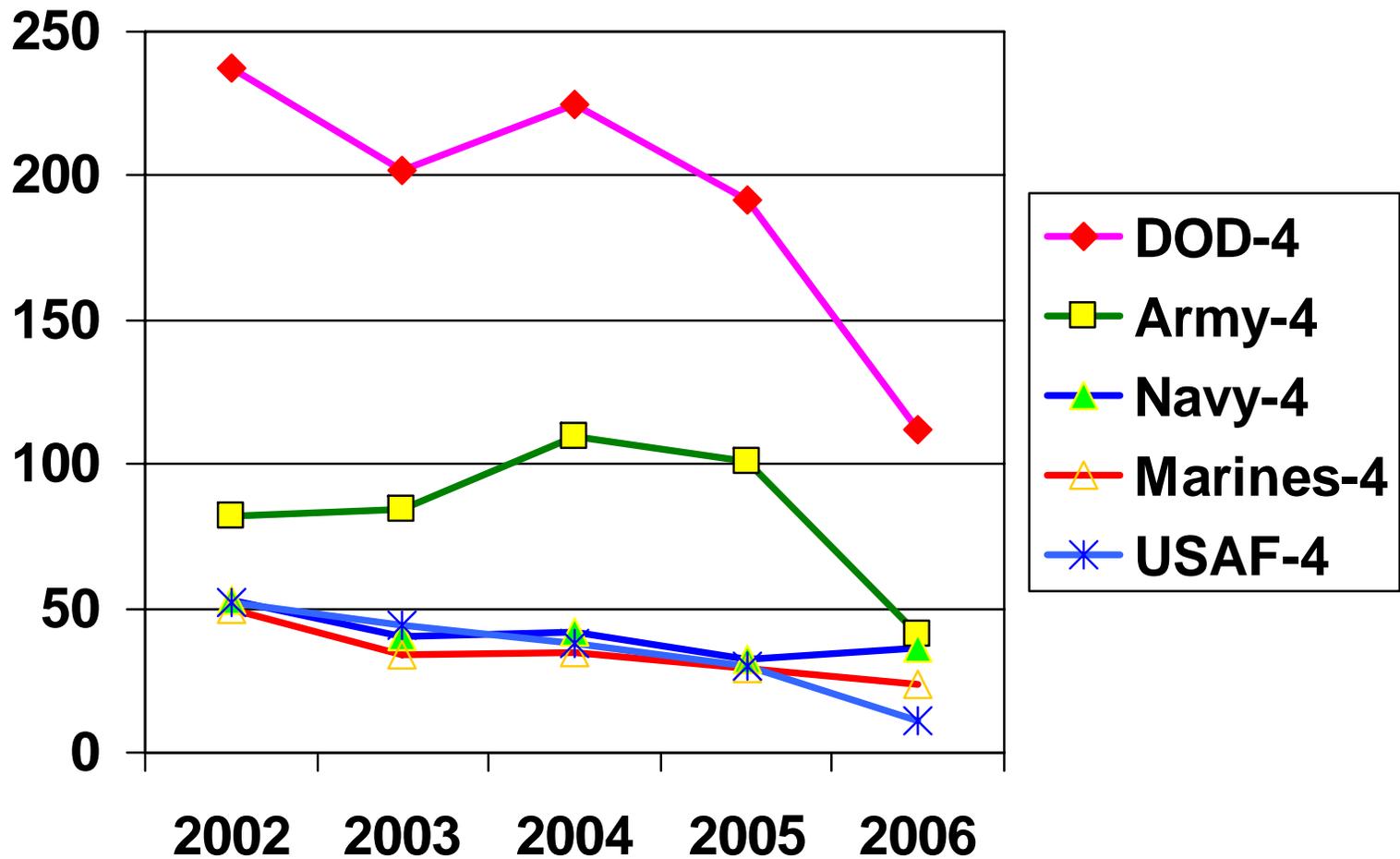
Armed Forces Traffic Death Rates (FY90-06)



Rates per 100,000 active duty military personnel per year.

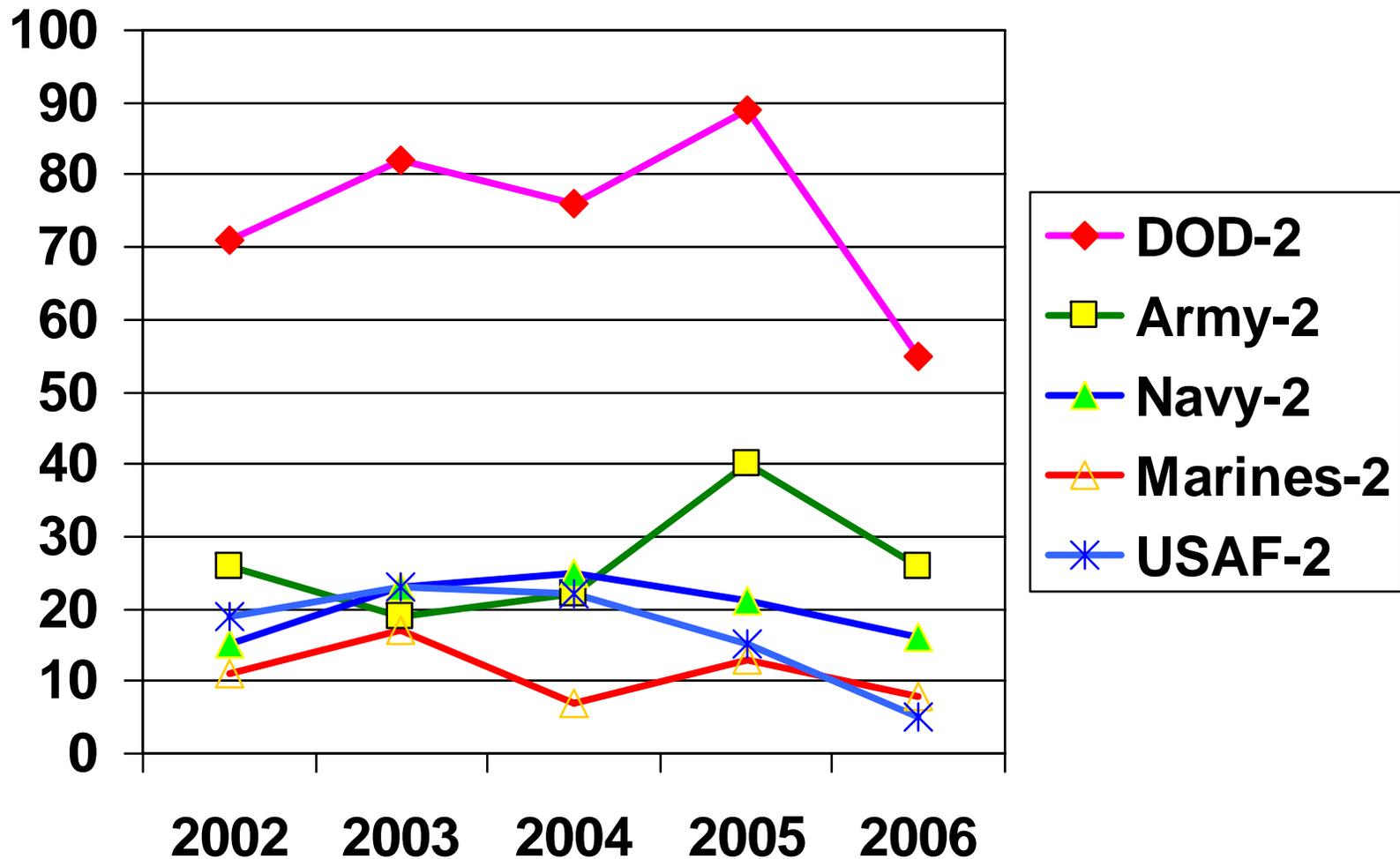


4-Wheel Vehicle Deaths





Motorcycle Deaths





PMV TF Future Work

- Identify PMV Leading Indicators
- Standardize Vehicle Registration
- Enforcement
 - DoD Standards
 - Federal Magistrate vs Base Traffic Court
 - Recognize Penalties
 - Sharing Data
- DoD – State DMVs
 - Harmonize Enforcement
 - Explore Potential to Share Data



Questions