CLASS A FLIGHT MISHAPS
Manned Aircraft Only

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY17 MISHAPS/MISHAP RATE: 9/1.07
10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 9.40/1.05

23-May-18  23-May-17
9/1.89     5/0.93

*see last slide for definition of UCI/LCI
CLASS A AVIATION MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY17 MISHAPS/MISHAP RATE: 13/1.55
10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 11.80/1.32

23-May-18 10/2.10
23-May-17 8/1.49

*see last slide for definition of UCI/LCI
CLASS A AFLOAT MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY17 MISHAPS/MISHAP RATE: 4/1.29
10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 5.60/1.81

23-May-18 1/0.50
23-May-17 2/1.00

*see last slide for definition of UCI/LCI
CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

23-May-18  23-May-17
1/0.45     3/1.35

FY17 MISHAPS/MISHAP RATE:
4/1.17

10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE:
4.10/1.17

*see last slide for definition of UCI/LCI
CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY17 MISHAPS/MISHAP RATE: 1/0.29

10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 1.70/0.49

23-May-18 23-May-17
0/0.00 1/0.45

*see last slide for definition of UCI/LCI
TOTAL CLASS A ON-DUTY MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

23-May-18 13/5.88
23-May-17 15/6.77

FY17 MISHAPS/MISHAP RATE: 23/6.70
10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 26.20/7.47

*see last slide for definition of UCI/LCI
ON-DUTY FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 20/5.83
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 12.80/3.65

23-May-18 8/3.62
23-May-17 2/0.90

*see last slide for definition of UCI/LCI
PMV FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 18/8.15
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 36.20/10.31

*see last slide for definition of UCI/LCI
### 4-WHEEL PMV FATALITIES

#### CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

<table>
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<tr>
<th>Year</th>
<th>Fatality Numbers</th>
<th>Fatality Rate</th>
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<tr>
<td>2018</td>
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#### 10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE:

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<tr>
<th>Year</th>
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<th>Fatality Rate</th>
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<tr>
<td>2018</td>
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</tbody>
</table>

*pedestrian fatalities not included

*see last slide for definition of UCI/LCI
MOTORCYCLE PMV FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 21/6.12
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 17.80/5.07

23-May-18  8/3.62
23-May-17  10/4.52

*see last slide for definition of UCI/LCI
OFF-DUTY/REC FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 7/2.04
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 10.40/2.96

23-May-18 5/2.26
23-May-17 5/2.26

*see last slide for definition of UCI/LCI
LOST WORK DAY FY RATE COMPARISON: 20.70
FY17 LOST WORK DAY RATE: 24.30
5-YEAR AVERAGE (FY13-17) LOST WORK DAY RATE: 25.62

*see last slide for definition of UCI/LCI
MILITARY LOST TIME CASE RATE

LOST WORK TIME CASE RATE: 2.02
FY17 LOST TIME CASE RATE: 2.45
5-YEAR AVERAGE (FY13-17) LOST TIME CASE RATE: 2.18

*see last slide for definition of UCI/LCI
CLASS A FLIGHT MISHAPS
Manned Aircraft Only

CLASS A FM/FM RATE FY COMPARISON:
FY17 MISHAPS/MISHAP RATE: 10/4.32
10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 6.70/2.51

23-May-18  23-May-17
3/2.22  7/4.87
CLASS A AVIATION MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

23-May-18 4/2.96
23-May-17 7/4.87

FY17 MISHAPS/MISHAP RATE: 12/5.19
10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 8.00/2.97
CLASS A GROUND ON-DUTY MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY17 MISHAPS/MISHAP RATE: 6/3.15
10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 6.30/3.08

*see last slide for definition of UCI/LCI
PHYSICAL TRAINING FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 2/1.05
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 1.70/0.84

PT fatalities are also reflected in the Ground On-Duty Mishap slide.

*see last slide for definition of UCI/LCI
CLASS A ON-DUTY MV MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY17 MISHAPS/MISHAP RATE: 3/1.57

10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 4.70/2.29

*see last slide for definition of UCI/LCI
TOTAL CLASS A ON-DUTY MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY17 MISHAPS/MISHAP RATE: 21/11.01
10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 19.00/9.34

*see last slide for definition of UCI/LCI
ON-DUTY FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 26/13.63
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 18.30/9.03

*see last slide for definition of UCI/LCI
CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

FY17 FATALITIES/FATALITY RATE: 35/18.35
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 35.70/17.54

*see last slide for definition of UCI/LCI
**4-WHEEL PMV FATALITIES**

**CLASS A FATALITIES/FATALITY RATE FY COMPARISON:**

FY17 FATALITIES/FATALITY RATE: 12/6.29  
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 17.80/8.68

*see last slide for definition of UCI/LCI*
MOTORCYCLE PMV FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 18/9.44
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 15.10/7.47

*see last slide for definition of UCI/LCI
OFF-DUTY/REC FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 10/5.24
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 9.00/4.39

*see last slide for definition of UCI/LCI
CIVILIAN LOST WORK DAY

31 Mar 18

LOST WORK DAY FY RATE COMPARISON:
FY17 LOST WORK DAY RATE: 25.80
5-YEAR AVERAGE (FY13-17) LOST WORK DAY RATE: 30.70
23.92

*see last slide for definition of UCI/LCI
MILITARY LOST TIME CASE RATE

28 Feb 18

LOST WORK TIME CASE RATE: 2.42
FY17 LOST TIME CASE RATE: 3.04
5-YEAR AVERAGE (FY13-17) LOST TIME CASE RATE: 2.61

*see last slide for definition of UCI/LCI.
Navy Short Narratives

- **USN AVIATION CLASS A MISHAPS** (includes UAS/UAV, FRMs and AGMs not included in the Flight Slide)
  - 16 May 2018: (Andros Island, Bahamas) MH-60R lost a dipping sonar while conducting sonar operations. (FRM)
  - 27 Apr 2018: (AUTEC Op Area) MH-60S with a suspected compressor stall settled onto a support vessel at sea. No injuries.
  - 25 Apr 2018: (VACAPES) During CQ, FOD from an F/A-18E severely injured a sailor's leg. Aircraft landed safely ashore.
  - 13 Apr 2018: (Omaha, NE) P-3C encountered hailstorm resulting in Class A damage and made an emergency landing at KOMA.
  - 14 Mar 2018: (Key West, FL) F/A-18F while flying single engine, crashed on short final. 2 fatalities.
  - 11 Dec 2017: (Tinker AFB, OK) E-6A struck birds during descent, leading to number 4 engine flameout.
  - 04 Dec 2017: (NAS Fallon) FA-18A right leading edge flap departed aircraft in flight and hit the vertical stabilizer.
  - 22 Nov 2017: (Philippine Sea) C-2A ditched while inbound to CVN with 11 onboard. 3 fatalities.
  - 01 Oct 2017: (Monroe County, TN) T-45C crashed on low-level training route. 2 fatalities.

- **USN AFLOAT CLASS A MISHAPS**
  - 10 May 2018: (Cheatham Annex, VA) E-5 permanently disabled in fall within a crane pedestal ladder-well onboard ship.

- **USN SHORE CLASS A MISHAPS**
  - 04 Oct 2017: (MCAS Cherry Point, NC) Damage to rotor testing facility and 3 rotor blades during contractor maintenance.

- **USN PHYSICAL TRAINING CLASS A MISHAPS**
  - 06 Dec 2017: (NSA Bahrain) E-5 died after sustaining head injury at base pool. Transferred to Germany for assessment and passed away on 13 DEC.

- **USN ON-DUTY MOTOR VEHICLE CLASS A MISHAPS**
  - No mishap this FY.
Navy Short Narratives (cont’d)

- **USN PRIVATE MOTOR VEHICLE FATALITIES**
  14 May 2018: (Hanover County, VA) E-3 front seat passenger died when vehicle left road and stuck a tree.
  02 May 2018: (Virginia Beach, VA) E-6 motorcyclist died in a multi-vehicle mishap.
  22 Apr 2018: (Chesapeake, VA) E-5 died in a collision while driving a non-street legal vehicle on a residential street.
  08 Apr 2018: (Jacksonville, FL) E-6 killed and E-4 injured when motorcycle collided with semi-truck after exiting the Interstate.
  05 Apr 2018: (Juffair, Bahrain) E-5 died after being struck by a vehicle while crossing the street.
  05 Apr 2018: (Marathon, FL) E-6 killed in a single-vehicle mishap.
  22 Feb 2018: (Norfolk, VA) E-5 died in a motorcycle mishap when he was struck by another vehicle.
  17 Feb 2018: (Lemoore, CA) E-4 motorcyclist died when he was struck by a drunk driver from behind.
  10 Feb 2018: (Thornburg, VA) E-5 travelling with his family, died in a multi-vehicle mishap on the Interstate.
  31 Dec 2017: (Merrillville, IN) E-5 passenger died on 02 Jan from injuries in a single-vehicle, multi-fatality crash.
  31 Dec 2017: (Chula Vista, CA) E-3 passenger died on 02 Jan from injuries in a single-vehicle crash.
  03 Dec 2017: (San Diego County, CA) E-6 died in a single vehicle motorcycle mishap.
  29 Nov 2017: (Newport News, VA) E-6 died after losing control of motorcycle and sliding into a sedan.
  29 Nov 2017: (Hampton, VA): E-4 died of injuries on 1 Dec after motorcycle collided with van.
  24 Nov 2017: (San Bernardino, CA) E-3 died after motorcycle impacted guardrail.
  20 Nov 2017: (Fleming Key, CA) E-6 missed turn and drove into and submerged in channel.
  14 Oct 2017: (Nephi, UT) E-3 died after impacting back of semi-trailer on the interstate.
  13 Oct 2017: (Ochopee, FL) E-4 died after impacting back of flat-bed tow truck on the interstate.

- **USN OFF-DUTY/RECREATIONAL FATALITIES**
  20 May 2018: (Honolulu, HI) O-1 found unresponsive while SCUBA diving.
  04 May 2018: (Olympic National Park, WA) E-5 went missing after going hiking alone. His body was recovered from a 300 foot ravine on 13 May.
  04 May 2018: (James City County, VA) E-5 swimming with a friend to a sandbar in the river, disappeared below the surface. Body recovered 4 hours later.
  31 Dec 2017: (Portland, ME) E-4 died from injuries sustained after falling from a building.
  11 Nov 2017: (Zanzibar) O-3 lost consciousness while spearfishing and died. Second O-3 hospitalized.
Marine Corps Short Narratives

- **USMC AVIATION CLASS A MISHAPS** (includes UAS/UAV, FRMs and AGMs not included in the Flight Slide)
  - 03 Apr 2018: (El Centro, CA) CH-53E impacted ground while on approach into a landing zone. 4 fatalities.
  - 02 Apr 2018: (Djibouti Ambouli International) AV-8B shortly after lift-off impacted ground, pilot ejected safely.
  - 21 Feb 2018: (MCAS Camp Pendleton, CA) O-3 died on 24 Feb from injuries sustained when he was struck by a UH-1Y tail rotor. (AGM)
  - 11 Oct 2017: (Futenma MCAS, Japan) CH-53E engine fire in flight, emergency landing. No injuries.

- **USMC GROUND CLASS A MISHAPS**
  - 22 Jan 2018: (Coolidge, AZ) E-4 on TAD died after impacting ground during Multi Mission Parachute (MMPC) training event.

- **USMC PHYSICAL TRAINING CLASS A MISHAPS**
  - 26 Oct 2017: (NAS Oceana, VA) E-7 running with two others, dropped back and collapsed. Regained weak pulse after CPR but pronounced dead at the hospital.

- **USMC ON-DUTY MOTOR VEHICLE CLASS A MISHAPS**
  - No mishap this FY.

- **USMC PRIVATE MOTOR VEHICLE FATALITIES**
  - 20 May 2018: (Reading, PA) While returning home from a drill weekend, O-3 killed after impacting rear of a tractor trailer on the interstate.
  - 29 Apr 2018: (Temecula, CA) E-3 died in hospital on 30 April from injuries sustained in a motorcycle mishap.
  - 21 Apr 2018: (Brevard County, FL) E-2 passenger killed when vehicle stuck parked pickup on the side of the Interstate.
  - 17 Mar 2018: (Kailua, HI) E-3 died in a motorcycle mishap.
  - 09 Mar 2018: (Twentynine Palms, CA) E-4 died after motorcycle impacted the rear of an SUV.
  - 26 Feb 2018: (Vista, CA) E-5 motorcyclist died after he was hit by another vehicle.
Marine Corps Short Narratives

- **USMC PRIVATE MOTOR VEHICLE FATALITIES (con't)**
  18 Feb 2018: (Maple Hill, NC) E-4 was riding his motorcycle with a group of riders when he collided head-on with another E-4 motorcyclist. Both SVMs died.
  16 Feb 2018: (San Diego, CA) E-3 motorcyclist died when he was hit by a vehicle while riding on a highway.
  07 Feb 2018: (Princess Anne, MD) E-2 died in an automobile mishap after he lost control, struck guardrail and went into a ditch.
  02 Feb 2018: (San Clemente, CA) E-5 died in an automobile mishap after he lost control, struck pole and rolled over.
  25 Jan 2018: (Fort Worth, TX) E-5 died in an automobile mishap after he lost control of the vehicle and was ejected.
  17 Jan 2018: (Dallas, GA) E-5 died in an automobile mishap when he lost control of his vehicle on an icy road.
  23 Dec 2017: (Denton, MD) E-3 passenger died in a motor vehicle mishap.
  03 Dec 2017: (New Bern, NC) E-3 died after losing control at high rate of speed and going airborne prior to impacting trees.
  01 Dec 2017: (Miramar, CA) E-4 lost control of motorcycle and slid on Interstate and was fatally struck by another vehicle.
  30 Nov 2017: (Jacksonville, NC) E-4 died on 04 Jan from injuries as passenger.
  29 Oct 2017: (Camp Pendleton, CA) E-5 died after motorcycle impacted guardrail on base.
  20 Oct 2017: (Vista, CA) E-3 died after being struck by vehicle while crossing the highway.

- **USMC OFF-DUTY/RECREATIONAL FATALITIES**
  17 May 2018: (Kings Bay, GA) E-4 killed in fall from three story barracks.
  03 Mar 2018: (MCB Camp Foster, Okinawa, Japan) E-3 was found unresponsive in his barracks room and could not be resuscitated.
  26 Dec 2017: (Okinawa City, Japan) E-3 died after fall from 5th floor balcony of off-base residence.
  16 Nov 2017: (Twentynine Palms, CA) E-3 died on 18 Nov from internal injuries during weight lifting.
  20 Oct 2017: (McLean, VA) E-1 died after a fall while hiking.
Mishap Confidence Interval

- UCI = Upper Confidence Interval   LCI = Lower Confidence Interval

- Rate values above the UCI or below the LCI infer a statistically significant change is probable. This is only an indicator. Significance cannot be determined until end-of-year.

- Values between the UCI and LCI infer that nothing significant has occurred to increase or decrease mishap rate.

(Confidence Interval is based on: Poisson Rate related to a Chi Squared Distribution and calculated using FY13-17 data except for the Lost Work Days and Lost Time Case slides which were based on a normal distribution).