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

9-Apr-18  5/1.17  9-Apr-17  3/0.69

*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

9-Apr-18 5/1.17 9-Apr-17 6/1.38

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

<table>
<thead>
<tr>
<th>Year</th>
<th>Mishap Numbers</th>
<th>Mishap Rate</th>
<th>Rate UCI*</th>
<th>Rate LCI*</th>
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<tbody>
<tr>
<td>2008</td>
<td>5</td>
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<td>2013</td>
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<td>2014</td>
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<tr>
<td>2018</td>
<td>4</td>
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</tr>
</tbody>
</table>

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

9-Apr-18

CLASS A MISHAPS/MISHAP RATE FY17:

- Mishap Numbers: 4
- Mishap Rate: 4/1.29
- Rate UCI*: 5.60
- Rate LCI*: 1.81

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

- Mishap Numbers: 40
- Mishap Rate: 5.60
- Rate UCI*: 1.81

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

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
PHYSICAL TRAINING FATALITIES

FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 1/0.29
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 3.00/0.86

*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: 1/0.29
10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE: 1.70/0.49

9-Apr-18: 0/0.00
9-Apr-17: 0/0.00

*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: 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

9-Apr-18 9-Apr-17
8/4.45 1/0.56

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

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 14/7.80
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 34/9.91

*see last slide for definition of UCI/LCI
CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY17 FATALITIES/FATALITY RATE: 12/3.50
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 15.30/4.35

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

9-Apr-18 6/3.34
9-Apr-17 5/2.78

*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

9-Apr-18 9-Apr-17
2/1.11 4/2.23

*see last slide for definition of UCI/LCI
31 Jan 18

LOST WORK DAY FY RATE COMPARISON:

20.80

FY17 LOST WORK DAY RATE:

24.00

5-YEAR AVERAGE (FY13-17) LOST WORK DAY RATE:

25.46

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

**Lost Time Case Rate**

- **30 Sep 17**: 2.42
- **FY16**: 2.63
- **5-Year Average (FY12-16)**: 2.22

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

Manned Aircraft Only

## CLASS A FM/FM RATE FY COMPARISON:

<table>
<thead>
<tr>
<th>Year</th>
<th>Mishap Numbers</th>
<th>Mishap Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>7</td>
<td>2.25</td>
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<tr>
<td>2009</td>
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<td>3.39</td>
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<tr>
<td>2017</td>
<td>10</td>
<td>4.32</td>
</tr>
<tr>
<td>2018</td>
<td>4</td>
<td>3.35</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>9-Apr-18</th>
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## 10-YEAR AVERAGE (FY08-17) MISHAPS/MISHAP RATE:

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<thead>
<tr>
<th>9-Apr-18</th>
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</tr>
</thead>
<tbody>
<tr>
<td>4/3.35</td>
<td>7/6.10</td>
</tr>
</tbody>
</table>
**CLASS A AVIATION MISHAPS**

**CLASS A MISHAPS/MISHAP RATE FY COMPARISON:**

9-Apr-18: 5/4.19  
9-Apr-17: 7/6.10

**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

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

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

9-Apr-18 9-Apr-17
1/1.00 0/0.00

*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

9-Apr-18: 0/0.00  9-Apr-17: 1/1.00

*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

Fatality Numbers
Fatality Rate
Rate UCI*
Rate LCI*

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

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

9-Apr-18 7/7.02  9-Apr-17 4/4.01

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: 18/9.44
10-YEAR AVERAGE (FY08-17) FATALITIES/FATALITY RATE: 15.10/7.47

9-Apr-18  8/8.02  9-Apr-17  7/7.01

*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

LOST WORK DAY FY RATE COMPARISON:

- FY17 LOST WORK DAY RATE: 24.60
- 5-YEAR AVERAGE (FY13-17) LOST WORK DAY RATE: 30.30
- 5-YEAR AVERAGE (FY13-17) LOST WORK DAY RATE: 24.12

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

**30 Sep 17**

**LOST WORK TIME CASE RATE:** 3.00  
**FY16 LOST TIME CASE RATE:** 3.29  
**5-YEAR AVERAGE (FY12-16) LOST TIME CASE RATE:** 2.70  

*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)
  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**
  No mishap this FY.

- **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.

- **USN PRIVATE MOTOR VEHICLE FATALITIES**
  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.
Navy Short Narratives (cont’d)

- **USN PRIVATE MOTOR VEHICLE FATALITIES (con’t)**
  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.
  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**
  31 Dec 2017: (Portland, ME) E-4 died from injuries sustained after falling from a building.
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.
  19 Mar 2018: (Futenma MCAS, Japan) CH-53E main rotor damper failed in flight and caused significant damage. No injuries.
  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**
  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.
  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.
Marine Corps Short Narratives

- **USMC PRIVATE MOTOR VEHICLE FATALITIES (con't)**
  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**
  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.
• **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).