CLASS A FLIGHT MISHAPS
Manned Aircraft Only

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY19 MISHAPS/MISHAP RATE: 5/0.61
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 8.10/0.93

22-Jul-20 7/1.06  22-Jul-19 3/0.46

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY19 MISHAPS/MISHAP RATE: 8/0.97
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 10.80/1.25

22-Jul-20 8/1.22  22-Jul-19 5/0.76

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY19 MISHAPS/MISHAP RATE: 5/1.62
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 5.10/1.65

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY19 MISHAPS/MISHAP RATE:
6/1.68

10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE:
3.30/0.95

22-Jul-20  2/0.69
22-Jul-19  6/2.07

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

FATALITIES/FATALITY RATE FY COMPARISON:

FY19 FATALITIES/FATALITY RATE: 3/0.84
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 3.10/0.89

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY19 MISHAPS/MISHAP RATE: 1/0.28
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 1.50/0.43

*see last slide for definition of UCI/LCI
CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY19 MISHAPS/MISHAP RATE: 23/6.45
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 23.80/6.82

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

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 5/1.40
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 11.40/3.27

22-Jul-20  7/2.42
22-Jul-19  3/1.03

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

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 27/7.57
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 31.70/9.08

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

**Class A Fatalities/Fatality Rate FY Comparison:**

<table>
<thead>
<tr>
<th>Year</th>
<th>Fatality Numbers</th>
<th>Rate UCI*</th>
<th>Rate LCI*</th>
</tr>
</thead>
<tbody>
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<td>18</td>
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<td>2012</td>
<td>15</td>
<td>11/3.08</td>
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<tr>
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<td>15</td>
<td>11/3.08</td>
<td>4/1.39</td>
</tr>
<tr>
<td>2014</td>
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<td>11/3.08</td>
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<td>4/1.39</td>
</tr>
<tr>
<td>2020</td>
<td>4</td>
<td>11/3.08</td>
<td>4/1.39</td>
</tr>
</tbody>
</table>

*pedestrian fatalities not included*

22-Jul-20
22-Jul-19

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

**FY19 Fatalities/Fatality Rate:** 11/3.08
**10-Year Average (FY10-19) Fatalities/Fatality Rate:** 13.10/3.75

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

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 15/4.21
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 16.00/4.58

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

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 5/1.40
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 8.60/2.46

22-Jul-20  22-Jul-19
7/2.42      5/1.72

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

LOST WORK DAY FY RATE COMPARISON:
- FY19 LOST WORK DAY RATE: 18.40
- 5-YEAR AVERAGE (FY15-19) LOST WORK DAY RATE: 25.11

11 Apr 20

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

Lost Work Time Case Rate: 1.91
FY19 Lost Time Case Rate: 1.94
5-Year Average (FY15-19) Lost Time Case Rate: 2.21

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

CLASS A FM/FM RATE FY COMPARISON:
22-Jul-20  22-Jul-19
0/0.00  7/3.61

FY19 MISHAPS/MISHAP RATE:  7/2.96
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE:  6.80/2.65
CLASS A AVIATION MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY19 MISHAPS/MISHAP RATE: 8/3.38
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 8.20/3.16

22-Jul-20  22-Jul-19
1/0.54    8/4.12
CLASS A GROUND ON-DUTY MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY19 MISHAPS/MISHAP RATE: 6/3.12
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 6.30/3.12

*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:

FY19 FATALITIES/FATALITY RATE: 2/1.04

10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 1.60/0.81

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY19 MISHAPS/MISHAP RATE: 3/1.56
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 3.50/1.73

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

- 22-Jul-20: 7/4.49
- 22-Jul-19: 14/8.96

FY19 MISHAPS/MISHAP RATE:
- 17/8.85

10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE:
- 18.00/8.98

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

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

FY19 FATALITIES/FATALITY RATE: 15/7.81
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 18.30/9.13

22-Jul-20  6/3.86  22-Jul-19  13/8.32

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

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

FY19 FATALITIES/FATALITY RATE: 27/14.05
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 32.00/16.01

22-Jul-20  22-Jul-19
16/10.29    20/12.80

*see last slide for definition of UCI/LCI
CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 17/8.85
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 16.00/7.96

*see last slide for definition of UCI/LCI
CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 7/3.64
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 13.30/6.69

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

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 7/4.50
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 8.20/4.08

22-Jul-20 22-Jul-19
7/4.50 6/3.84

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

LOST WORK DAY FY RATE COMPARISON:
FY19 LOST WORK DAY RATE: 12.30
5-YEAR AVERAGE (FY15-19) LOST WORK DAY RATE: 18.30

Lost Days/100 persons per Year

Lost Days
Lost Day Rate
Rate UCI*
Rate LCI*

11 Apr 20

Lost Days

Number

0 10 20 30 40 50 60 70 80

0 1000 2000 3000 4000 5000 6000 7000 8000

Lost Days per Year

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

**Lost Work Time Case Rate:** 2.66

**FY19 Lost Time Case Rate:** 2.94

**5-Year Average (FY15-19) Lost Time Case Rate:** 2.84

*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 Jul 2020: (Kadena AB, Japan) P-8A: Engine compressor stall resulted in safe emergency landing**


  18 Jun 2020: (Pacific Ocean) Aircrew ejected from F/A-18F. Two crew members onboard recovered. No injuries reported.

  27 Jan 2020:(VACAPES / W-122) F/A-18F received FOD damage to both engines during day in flight refueling training flight.

  25 Jan 2020: (Philippine, Sea) MH-60S went down in open ocean during daytime flight off ship. All crew members were rescued.

  16 Dec 2019:(W-72 Range) F/A-18F had FOD damage as receiving aircraft after basket slap during inflight refueling.

  25 Nov 2019: (Pacific Ocean) Aircraft and engine damage due to unsecured door in flight.

  02 Oct 2019: (NAS Pax River, MD) E-6B struck bird and sustained engine damage during touch and go landing. Aircraft landed safety, no injuries.

- **USN AFLOAT CLASS A MISHAPS**

  10 Mar 2020: (Eastern Mediterranean) E-5 died from injuries after he fell down a ladderwell.

  03 Dec 2019: (San Diego Op Area) Flooding on LHD caused damage to cargo.

  29 Nov 2019:(San Diego, CA) Class C fire on MCM caused extensive damage to Main Machinery Room.

  14 Nov 2019: (Jacksonville, FL) Fire on LHD cause damage in cargo hold. Eleven sailors were treated for minor injuries and released.

- **USN SHORE CLASS A MISHAPS**

  12 Jul 2020: (NOB San Diego) Fire aboard LHD. Several injuries reported with no fatalities.

  10 Jun 2020: (Selma, AL) O-5 & O-6 died in a private single-engine plane crash.

- **USN PHYSICAL TRAINING CLASS A MISHAPS**

  27 Apr 2020:(Mayport, FL) E-5 died after collapsing while jogging on base.

  08 Feb 2020: (Annapolis, MD) Midshipman collapsed following a Physical Readiness Test and transported to a medical center where he died.

  15 Nov 2019:(Ft. Meade, MD) E-6 died after collapsing on a treadmill during a Physical Readiness Test(PRT).
Navy Short Narratives (continued)

- **USN ON-DUTY MOTOR VEHICLE CLASS A MISHAPS**
  18 Dec 2019 (Pomoneky, MD) CIV died in a single vehicle accident resulting in a fire after striking a tree.
  30 Nov 2019: (Virginia Beach, VA) E-4 died while on patrol in a multi-vehicle collision after being hit head-on.

- **USN PRIVATE MOTOR VEHICLE FATALITIES**
  11 Jul 2020: (Pearl City, HI) E-3 died from injuries in a single-vehicle crash. Two other sailors released from hospital with minor injuries.
  03 Jul 2020: (Silverdale, WA) E-3 died in a multi vehicle motorcycle accident.
  10 May 2020: (Jacksonville, FL) E-6 died after losing control of his motorcycle.
  27 Mar 2020: (Virginia Beach, VA) E-5 died after being struck by a vehicle after exiting her car.
  22 Feb 2020: (Jacksonville, FL) E-3 died in a fatal motorcycle accident.
  13 Feb 2020: (San Diego, CA) E-5 was struck by another vehicle while pulled over on the side of the road. He later died in the hospital from injuries sustained from the accident.
  14 Dec 2019: (Waukegan, IL) E-4 died in a multiple vehicle accident after a head-on collision.
  08 Dec 2019: (Gulfport, MS) E-4 died after losing control of the motorcycle on a patch of gravel. The other service member on second motorcycle was released with minor injuries.
  02 Dec 2019: (San Diego, CA) O-4 died after being struck by a vehicle while jogging.
  01 Dec 2019: (Saint Marys, GA) E-8 died after being struck by a vehicle while walking along the roadway.
  06 Nov 2019: (San Diego, CA) E-7 died in a single-vehicle motorcycle mishap.
  27 Oct 2019: (Mobile, AL) E-6 died from injuries after automobile struck a tree. He died from his injuries on 30 Oct 2019 in a hospital.
  20 Oct 2019: (Twentynine Palms, CA) E-4 died in a multi-vehicle mishap (other vehicle fatality recorded in Marine stats).
  05 Oct 2019: (Sinajana, Guam) E-5 was found down with motorcycle alongside a roadway with no other vehicles. Transported to Guam Memorial Hospital and pronounced dead.
Navy Short Narratives (continued)

- **USN OFF-DUTY/RECREATIONAL FATALITIES**
  07 Jul 2020: (Meyers, CA) O-5 died in crash while flying a light civil plane.
  07 Apr 2020: (Charleston, SC) E-4 died from an accidental discharged firearm.
  29 Feb 2020: (Virginia Beach, VA) E-4 fell from a balcony. He died from his injuries on 13 Apr 2020.
  11 Jan 2020: (Agana, Guam) E-4 was found unconscious while snorkeling. Declared deceased at Naval Hospital Guam.

- **USN OFF-DUTY/RECREATIONAL FATALITIES**
  01 Jan 2020: (Goose Creek, SC) E-3 died from injuries sustained in a single-vehicle off-road accident.
  22 Nov 2019: (Odenton, MD) E-4 died after being found unresponsive by roommate.
  20 Oct 2019: (Glen Burnie, MD) E-4 found unresponsive on his couch after a night of socializing.
Marine Corps Short Narratives

- **USMC AVIATION CLASS A MISHAPS** (includes UAS/UAV, FRMs and AGMs not included in the Flight Slide)
  30 May 2020: (San Diego, CA) Civilian aircraft collided with a parked MV-22B Osprey. No injuries reported.

- **USMC GROUND CLASS A MISHAPS**
  No mishap this FY.

- **USMC PHYSICAL TRAINING CLASS A MISHAPS**
  24 Jun 2020: (Camp Lejeune, NC) E-3 died from an accidental drowning.
  27 May 20: (Camp Lejeune, NC) E-2 died after collapsing while physical training.
  08 May 2020: (Oceanside, CA) E-5 collapsed while on a run and died on 11 May 2020 at a medical center.
  15 Apr 2020: (Twentynine Palms, CA) E-2 collapses during a Physical Fitness Test.

- **USMC ON-DUTY MOTOR VEHICLE CLASS A MISHAPS**
  10 Mar 2020: (Camp Al Hamra, UAE) E-4 died in a roll-over of an Medium Tactical Vehicle Replacement. Two other Marines injured.
  20 Oct 2019: (Bridgeport, CA) E-2 died in a M1151 HMMWV Enhanced Armament Carrier mishap at Mountain Warfare Training Center (MWTC) during a training exercise.

- **USMC PRIVATE MOTOR VEHICLE FATALITIES**
  04 Apr 2020: (Crestview, FL) E-3 died in a single vehicle accident while on emergency leave.
  14 Mar 2020: (Fallbrook, CA) E-2 died in a single vehicle mishap after the vehicle swerved off the freeway down a 100 foot slope.
  22 Feb 2020: (San Diego, CA) E-5 died in a motorcycle accident.
  31 Jan 2020: (North Charleston, SC) E-1 was involved an automobile mishap. He was transported to a Medical Center where he died from his injuries.
  26 Jan 2020: (Oceanside, CA) E-5 died after being struck by a vehicle while walking alongside the highway.
  14 Jan 2020: (Carlsbad, CA) E-3 died in a multi-vehicle mishap after colliding with another vehicle that was traveling in the opposite direction of traffic.
Marine Corps Short Narratives (continued)

- **USMC PRIVATE MOTOR VEHICLE FATALITIES (Con’t)**
  12 Jan 2020: (Wichita, KS) E-1 died after being struck by a vehicle while motorcycle stalled on the road.
  29 Dec 2019: (Irving, TX) E-3 died on 30 Dec from injuries as passenger in a single-vehicle crash.
  31 Oct 2019: (Burbank, CA) E-4 died in a motorcycle accident after being struck by two vehicles.
  28 Oct 2019: (Murrieta, CA) E-6 involved in a fatal traffic multi-vehicle accident.
  20 Oct 2019: (Twentynine Palms, CA) E-2 passenger died in a multi-vehicle mishap (other vehicle fatality recorded in Navy stats).
  11 Oct 2019: (Beaufort, SC) E-4 died after being struck by a vehicle after pulling over to assist another vehicle.
  10 Oct 2010: (Plum Branch, SC) E-4 driver and E-3 passenger died in a single vehicle accident.
  09 Oct 2019: (Escondido, CA) E-5 was involved in a motorcycle accident. He died on 15 Oct 2019 at a medical center.
  05 Oct 2019: (Jacksonville, NC) E-6 died in a motorcycle accident after driving over a raised curb and striking a post.

- **USMC OFF-DUTY/RECREATIONAL FATALITIES**
  02 Jul 2020: (Hamada, JPN) E-5 died from an accidental drowning.
  28 Jun 2020: (MCB Hawaii, HI) E-5 found unresponsive while swimming at Pyramid Rock Beach.
  08 May 2020: (Jacksonville, NC) E-3 died from an accidental discharged firearm.
  03 May 2020: (MCB Hawaii, HI) E-4 was found unresponsive in barracks room.
  18 Apr 2020: (Douglas, GA) E-4 died in a single vehicle ATV accident. He later died on 22 April 2020 from his injuries.
  09 Mar 2020: (Oceanside, CA) E-1 died from an accidental drowning.
  02 Mar 2020: (Camp Johnson, NC) E-2 was discovered in barracks room unresponsive.
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 FY14-18 data except for the Lost Work Days and Lost Time Case slides which were based on a normal distribution).