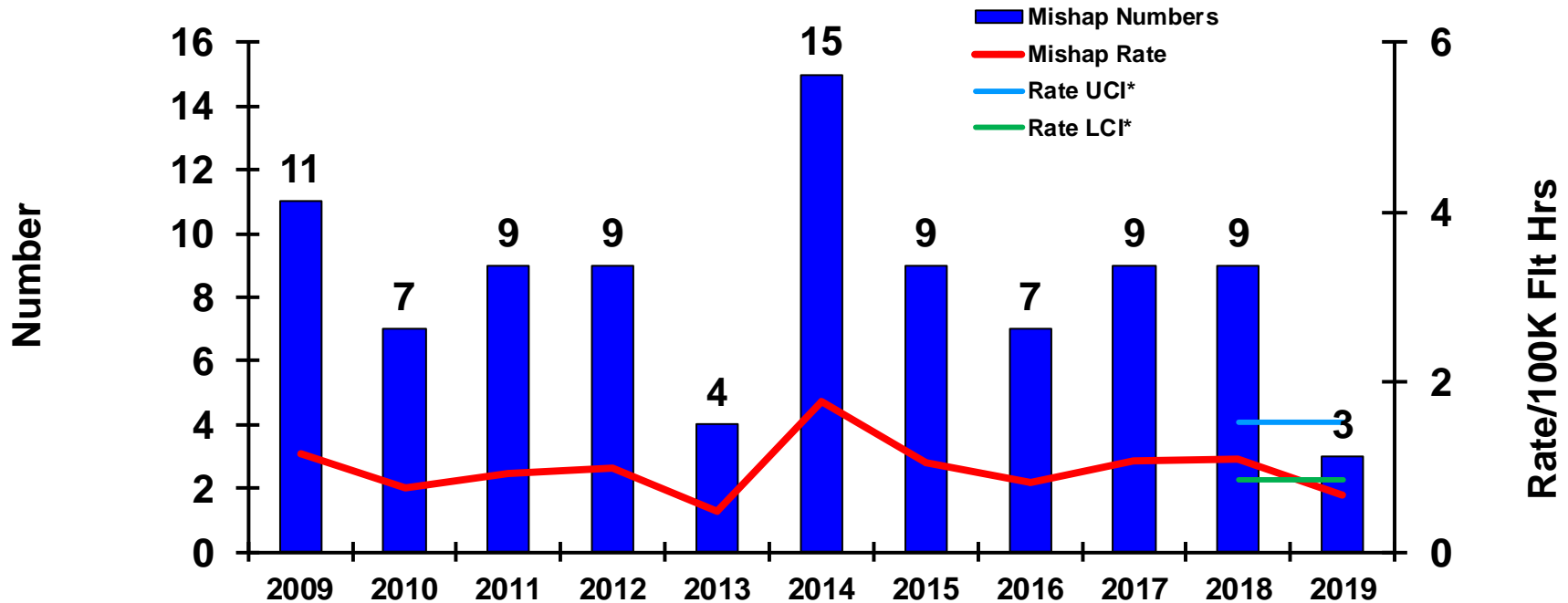




# CLASS A FLIGHT MISHAPS

Manned Aircraft Only

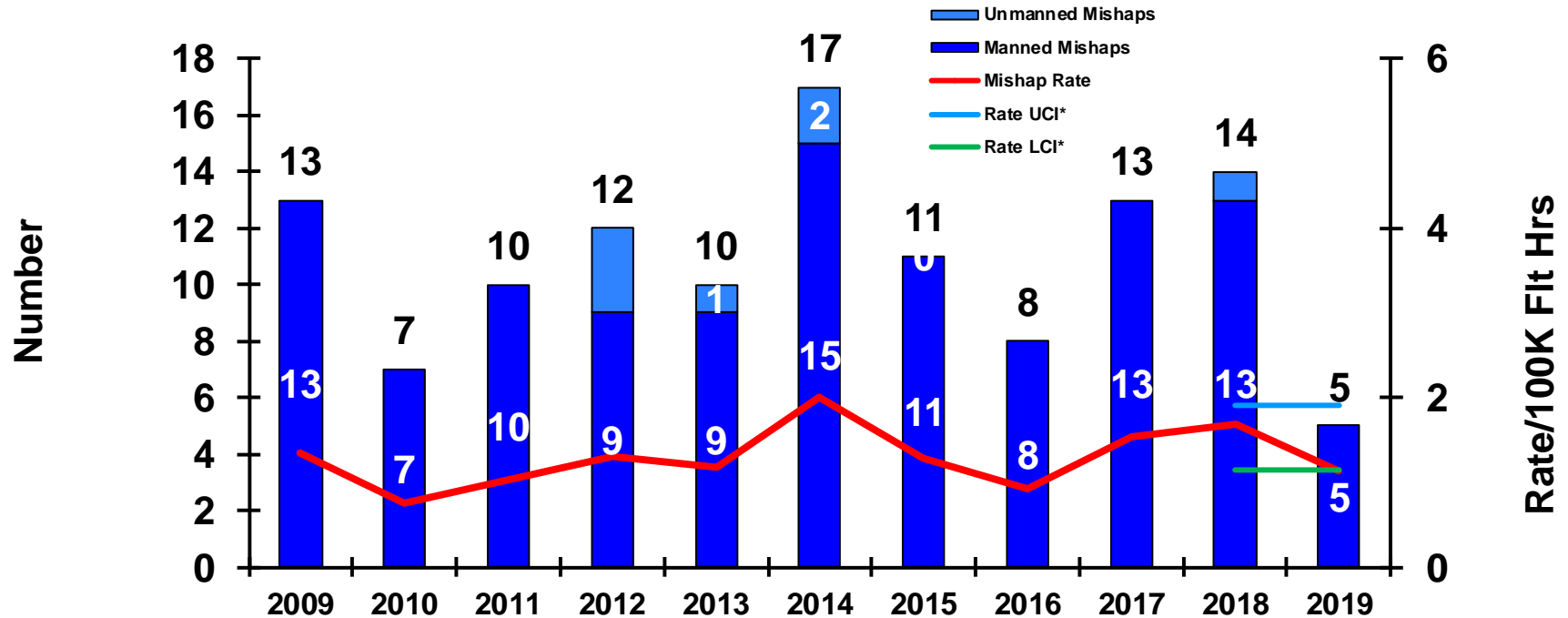


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	3/0.67	6/1.36
<b>FY18 MISHAPS/MISHAP RATE:</b>	9/1.08	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	8.90/1.01	

\*see last slide for definition of UCI/LCI



# CLASS A AVIATION MISHAPS

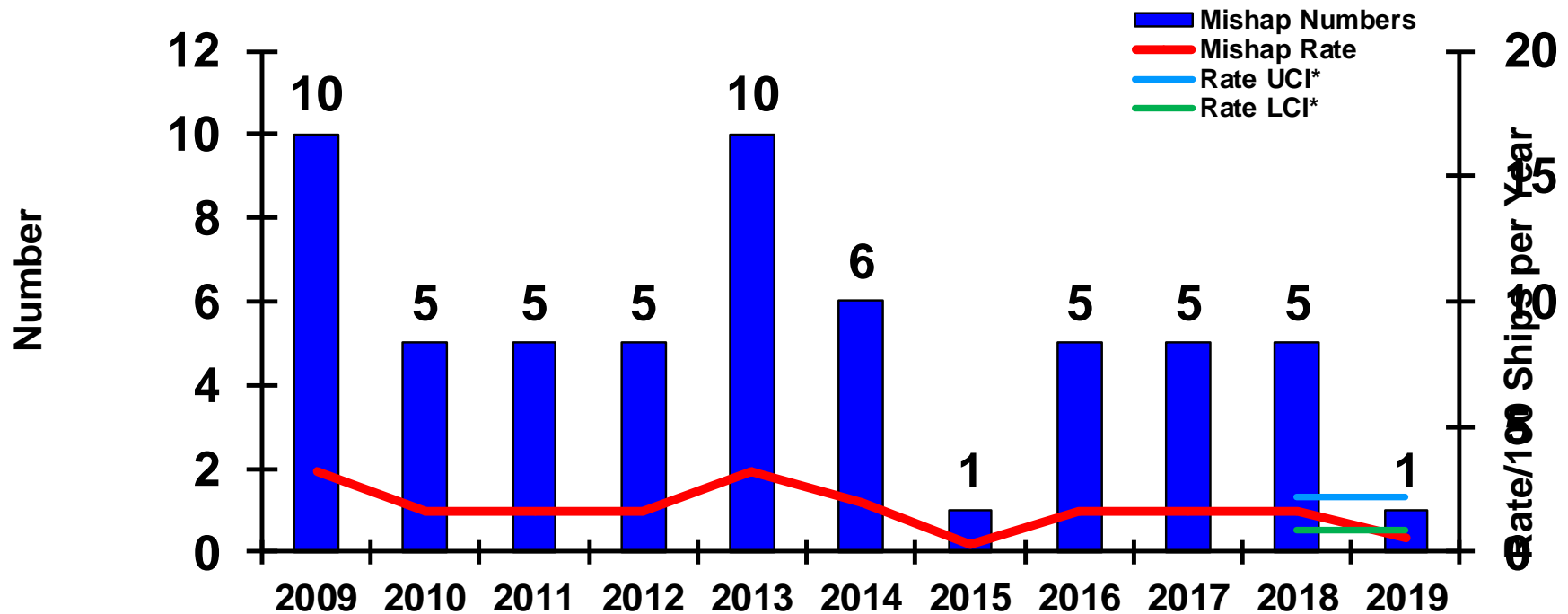


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	5/1.12	6/1.36
<b>FY18 MISHAPS/MISHAP RATE:</b>	14/1.68	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	11.50/1.31	

\*see last slide for definition of UCI/LCI



# CLASS A AFLOAT MISHAPS

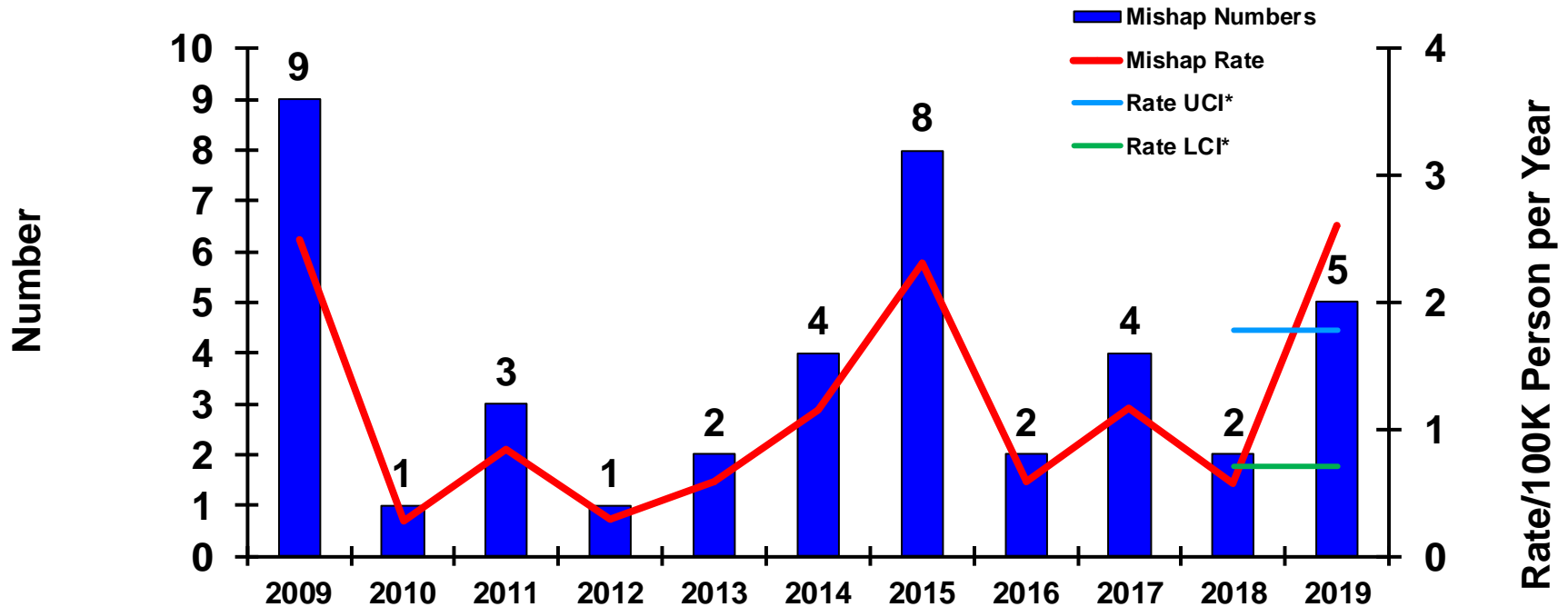


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	1/0.59	0/0.00
<b>FY18 MISHAPS/MISHAP RATE:</b>	5/1.62	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	5.70/1.84	

\*see last slide for definition of UCI/LCI



# CLASS A SHORE ON-DUTY MISHAPS

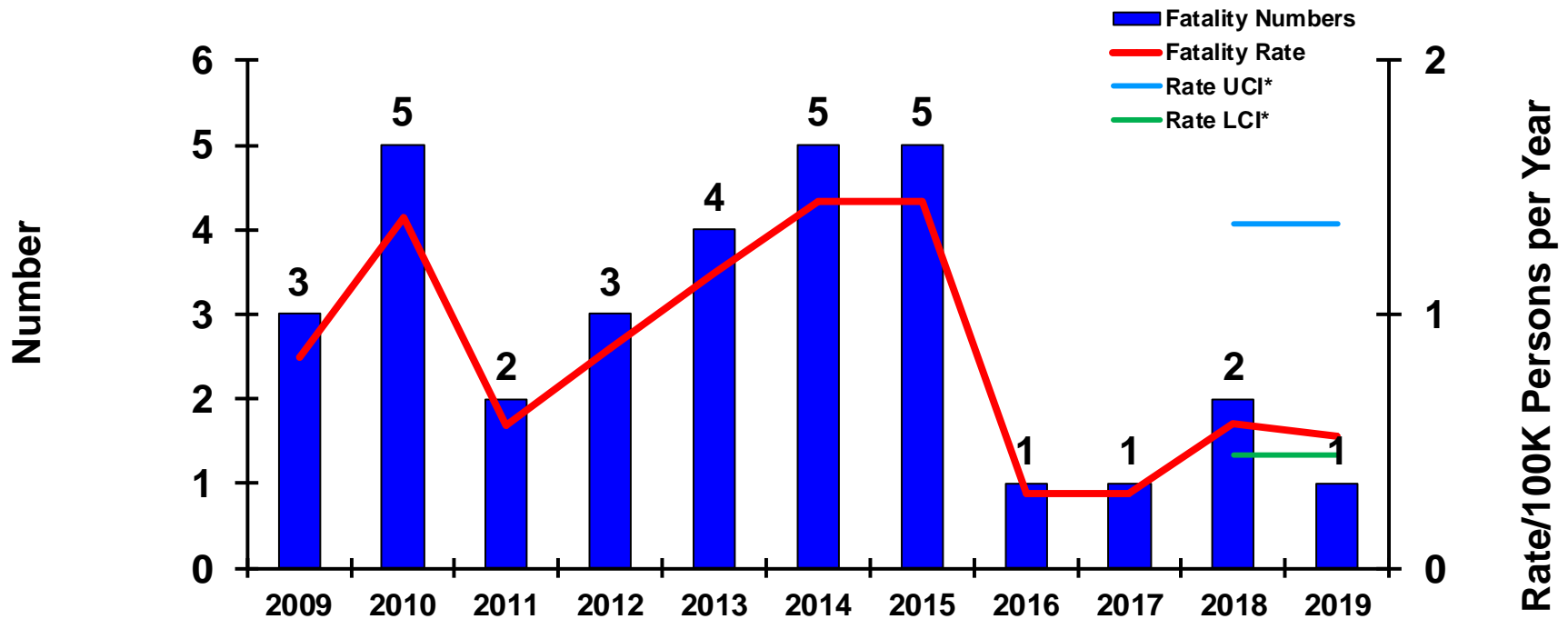


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	5/2.60	1/0.52
<b>FY18 MISHAPS/MISHAP RATE:</b>	2/0.57	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	3.60/1.03	

\*see last slide for definition of UCI/LCI



# PHYSICAL TRAINING FATALITIES

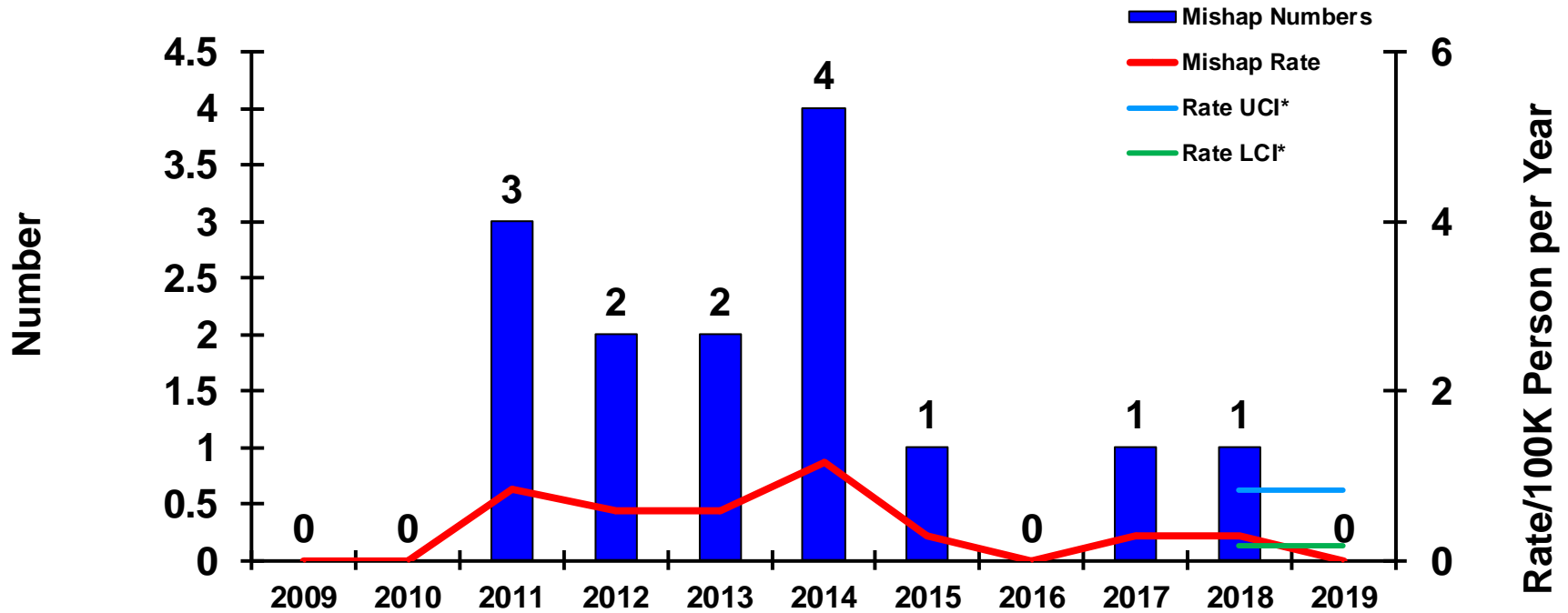


	17-Apr-19	17-Apr-18
<b>FATALITIES/FATALITY RATE FY COMPARISON:</b>	1/0.52	1/0.52
<b>FY18 FATALITIES/FATALITY RATE:</b>	2/0.57	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	3.10/0.88	

\*see last slide for definition of UCI/LCI



# CLASS A ON-DUTY MV MISHAPS

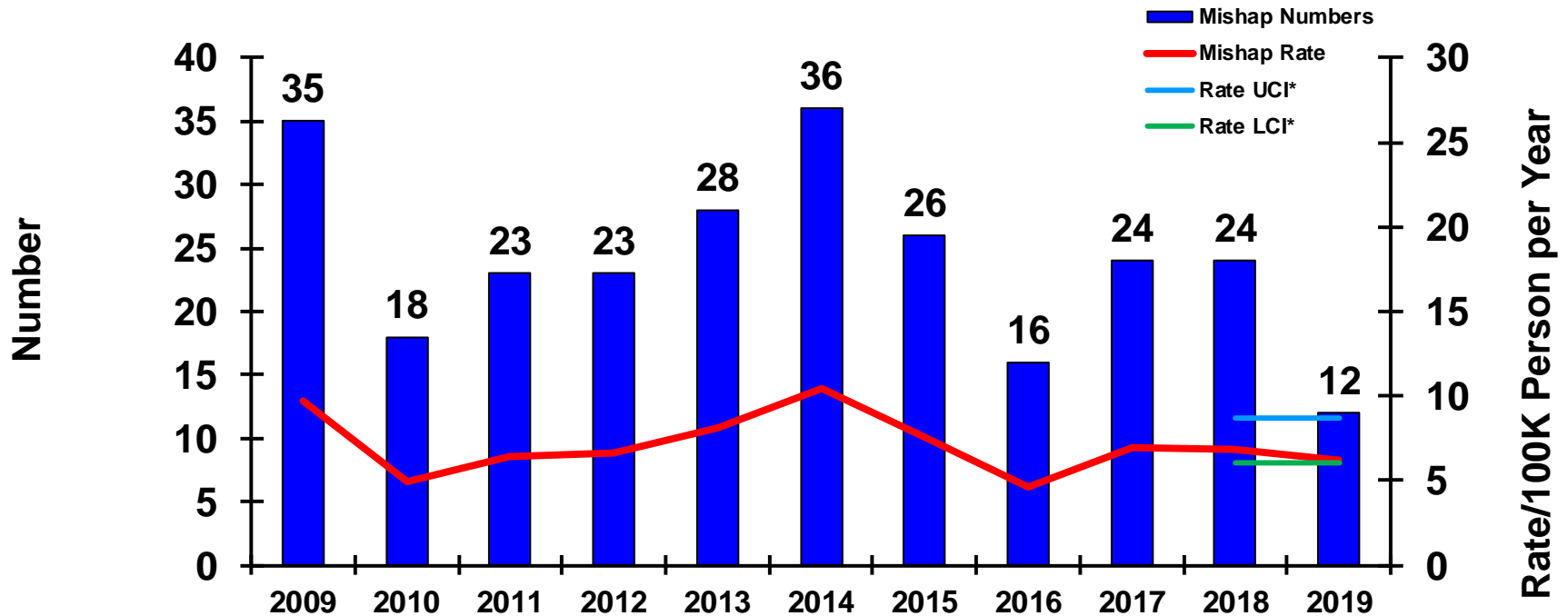


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	0/0.00	0/0.00
<b>FY18 MISHAPS/MISHAP RATE:</b>	1/0.28	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	1.40/0.40	

\*see last slide for definition of UCI/LCI



# TOTAL CLASS A ON-DUTY MISHAPS

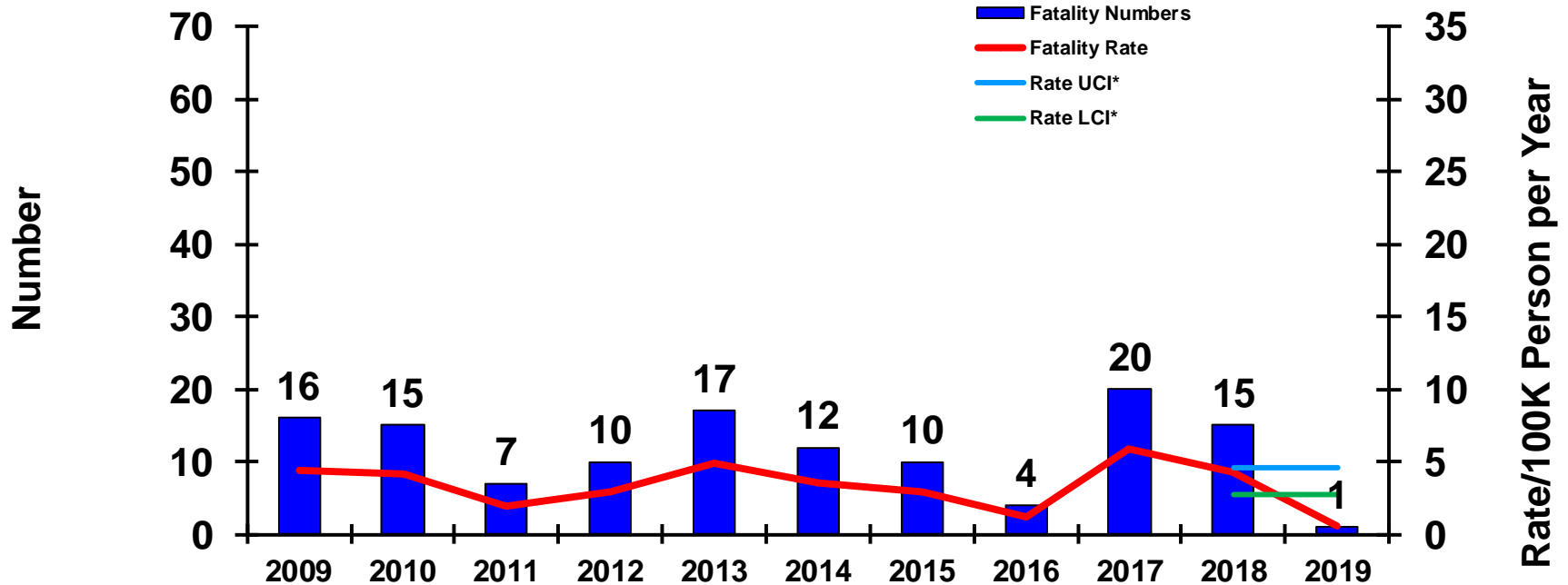


<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	<u>17-Apr-19</u>	<u>17-Apr-18</u>
	12/6.25	8/4.16
	<b>FY18 MISHAPS/MISHAP RATE:</b>	24/6.82
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	25.30/7.23	

\*see last slide for definition of UCI/LCI



# ON-DUTY FATALITIES



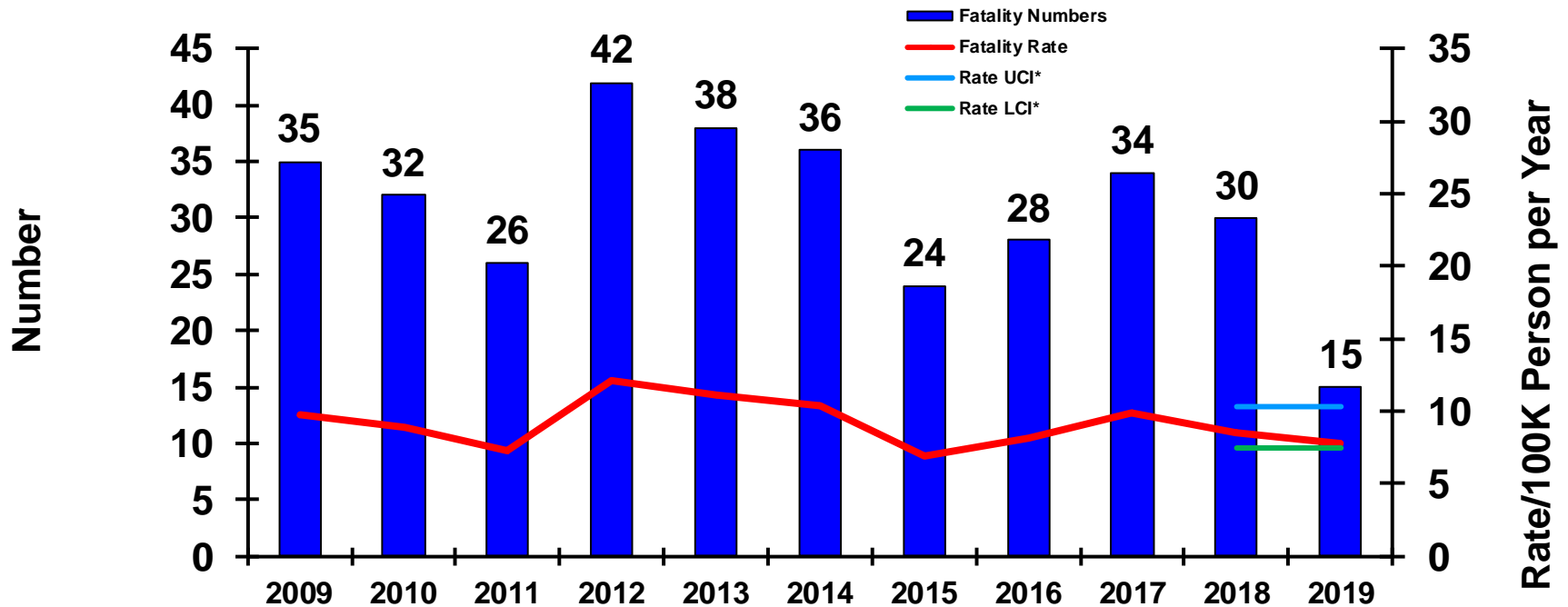
	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	1/0.52	8/4.16
<b>FY18 FATALITIES/FATALITY RATE:</b>	15/4.26	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	12.60/3.60	

\*see last slide for definition of UCI/LCI





# PMV FATALITIES

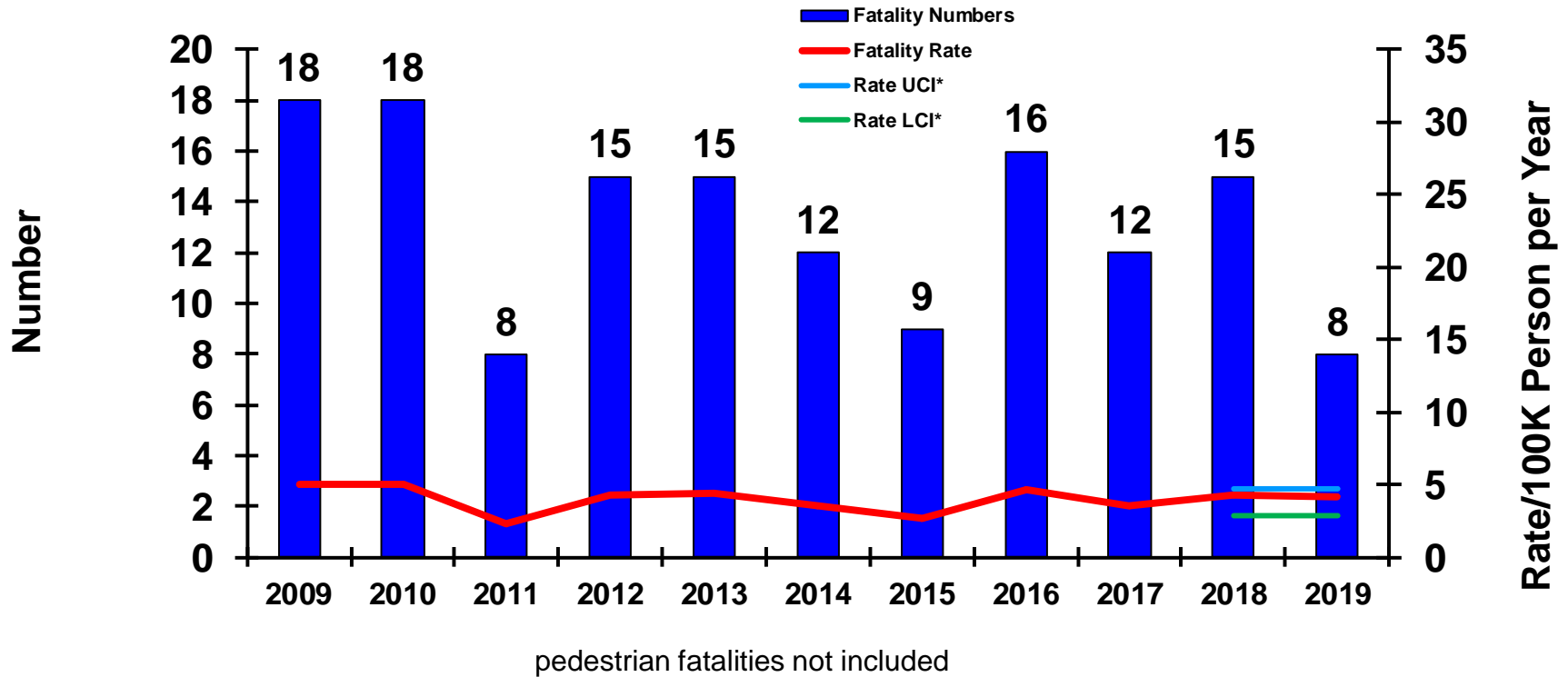


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	15/7.81	16/8.32
<b>FY18 FATALITIES/FATALITY RATE:</b>	30/8.52	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	32.50/9.29	

\*see last slide for definition of UCI/LCI



# 4-WHEEL PMV FATALITIES

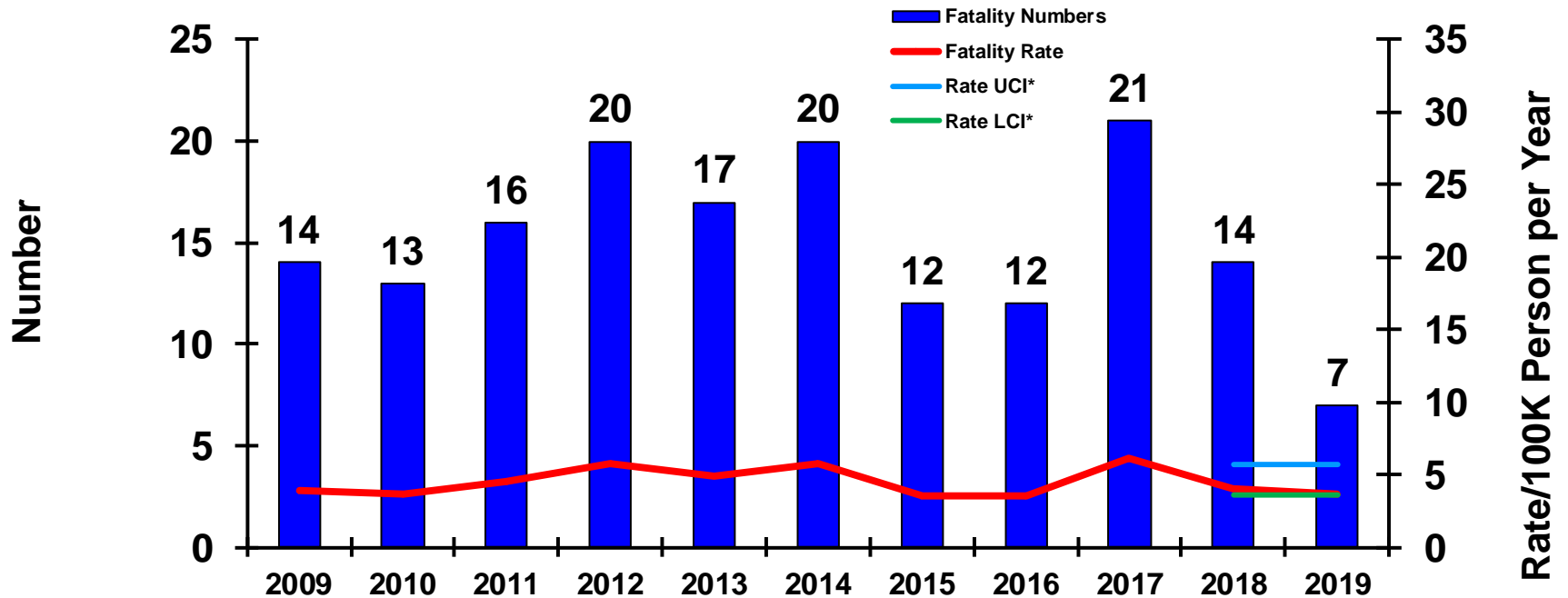


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	8/4.17	8/4.16
<b>FY18 FATALITIES/FATALITY RATE:</b>	15/4.26	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	13.80/3.94	

\*see last slide for definition of UCI/LCI



# MOTORCYCLE PMV FATALITIES

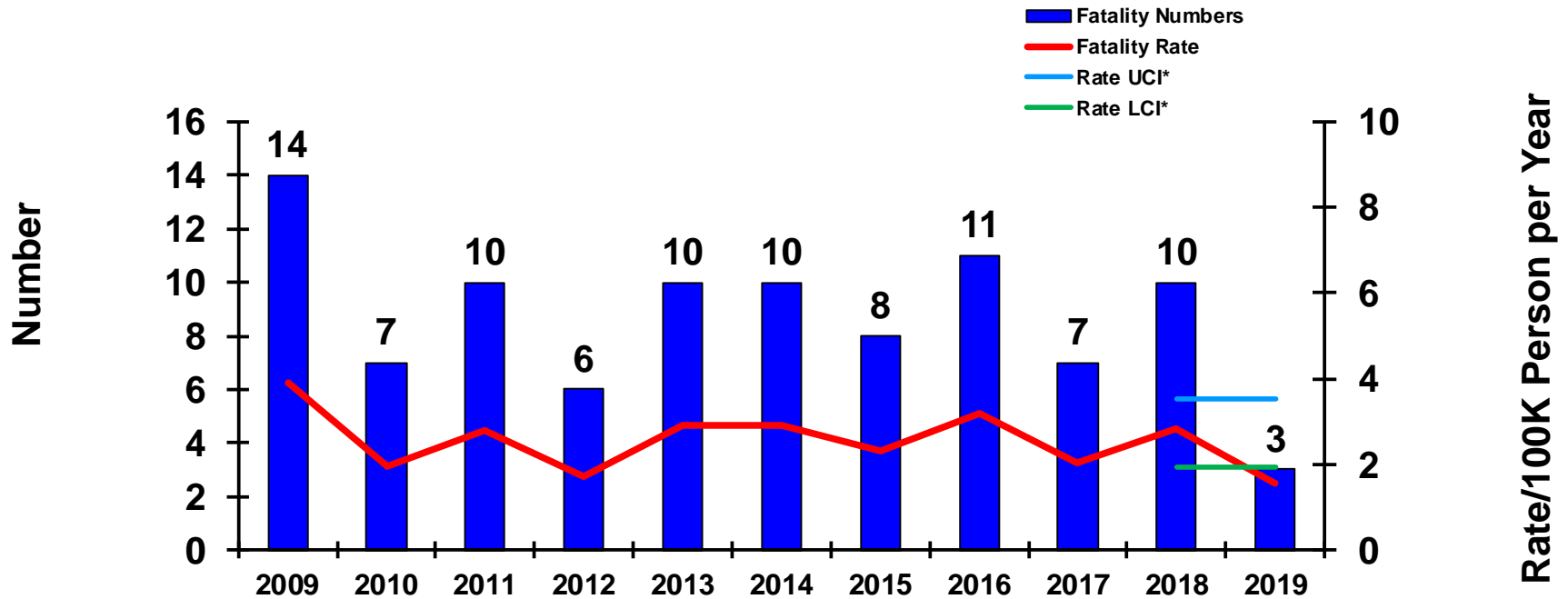


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	7/3.65	7/3.64
<b>FY18 FATALITIES/FATALITY RATE:</b>	14/3.98	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	15.90/4.55	

\*see last slide for definition of UCI/LCI



# OFF-DUTY/REC FATALITIES

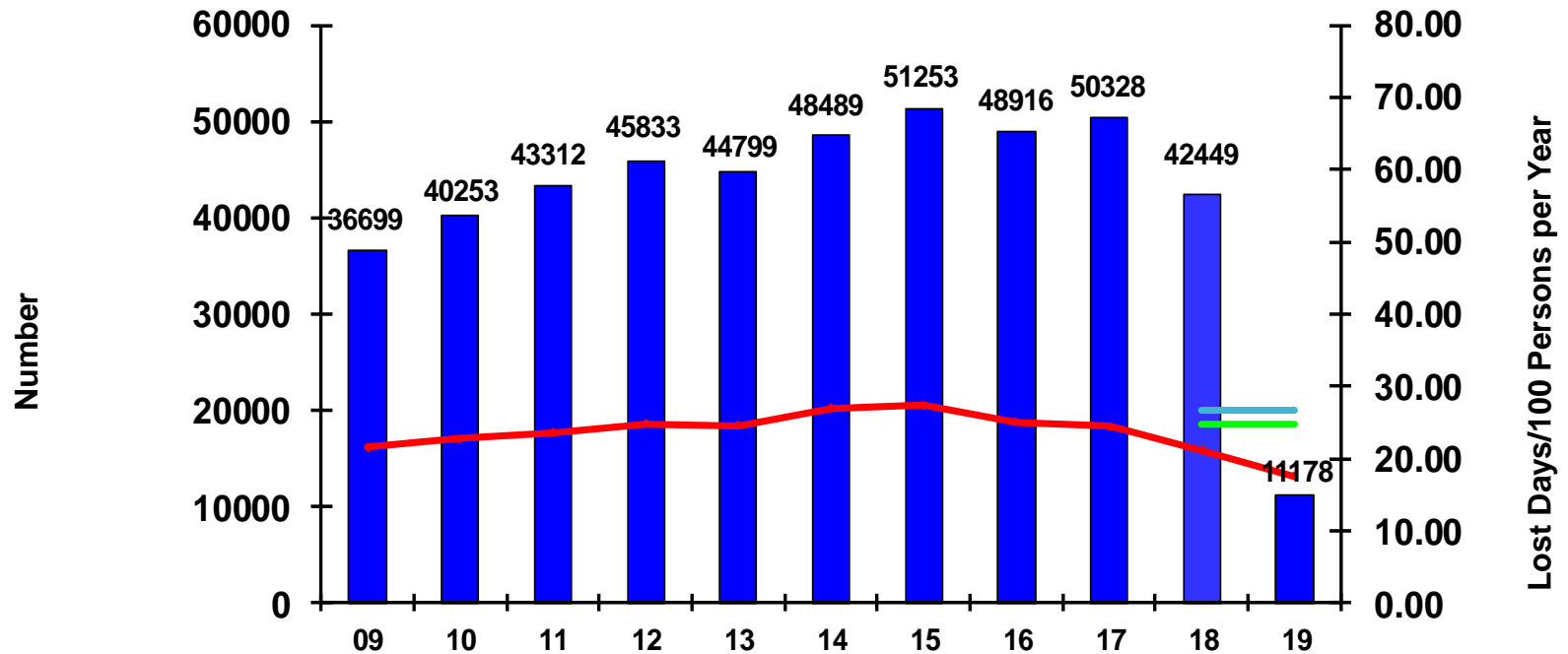


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	3/1.56	2/1.04
<b>FY18 FATALITIES/FATALITY RATE:</b>	10/2.84	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	9.30/2.65	

\*see last slide for definition of UCI/LCI



# CIVILIAN LOST WORK DAY

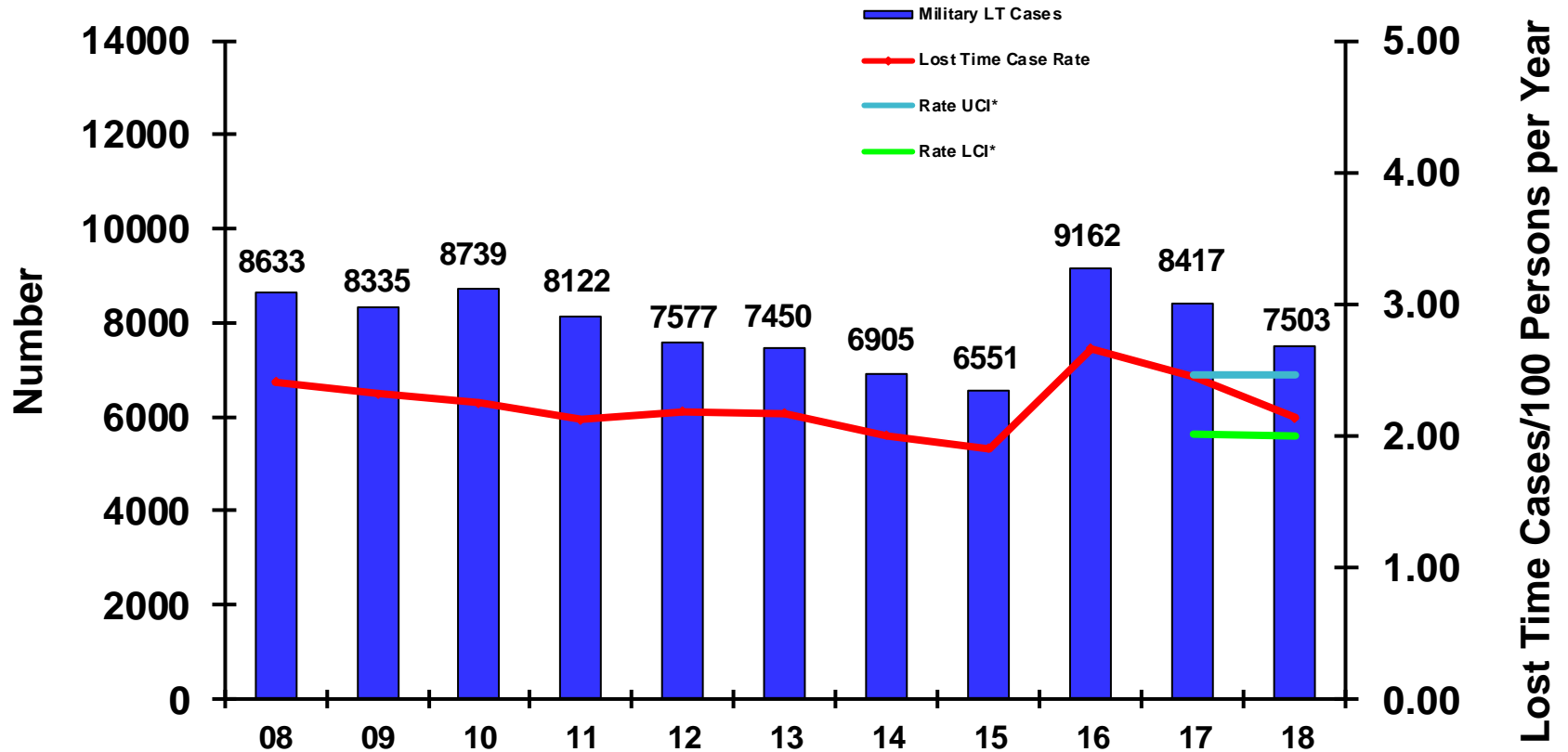


<b>LOST WORK DAY FY RATE COMPARISON:</b>	<b><u>19 Jan 19</u></b>
<b>FY18 LOST WORK DAY RATE:</b>	<b>17.60</b>
<b>5-YEAR AVERAGE (FY14-18) LOST WORK DAY RATE:</b>	<b>21.20</b>
	<b>24.92</b>

\*see last slide for definition of UCI/LCI



# MILITARY LOST TIME CASE RATE



**30 Sep 18**

**LOST WORK TIME CASE RATE: 2.13**

**FY17 LOST TIME CASE RATE: 2.45**

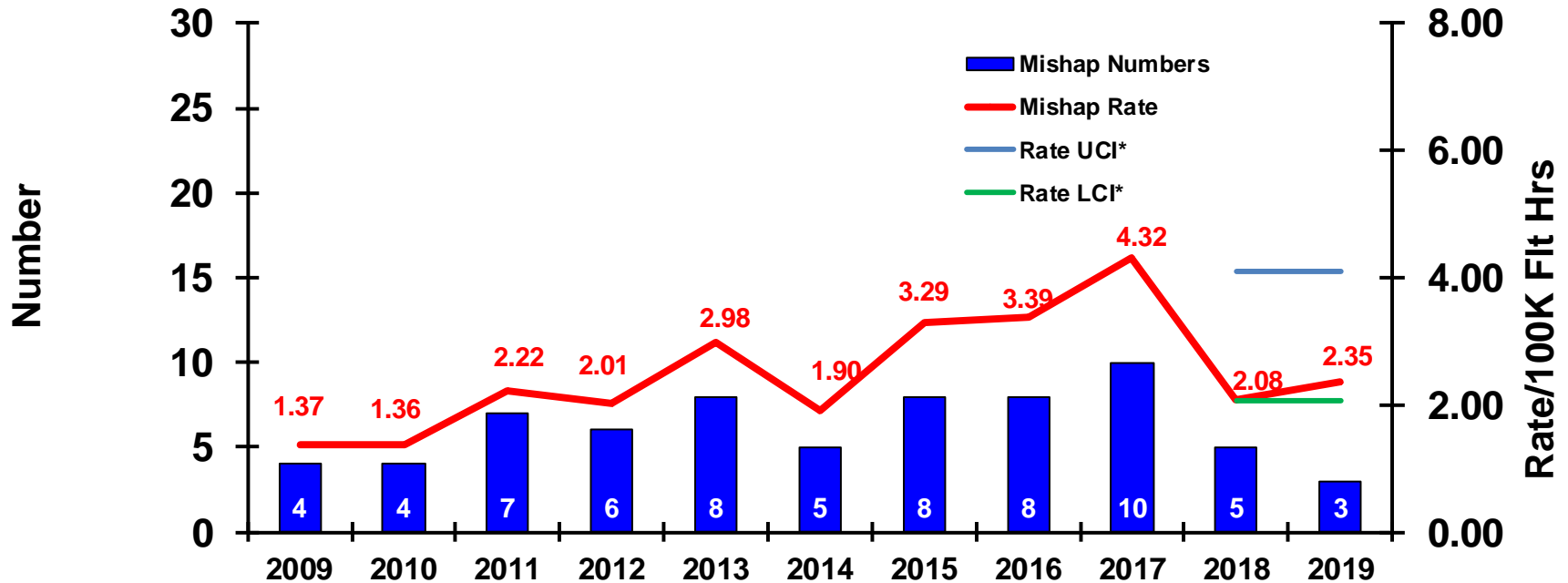
**5-YEAR AVERAGE (FY13-17) LOST TIME CASE RATE: 2.18**

\*see last slide for definition of UCI/LCI



# CLASS A FLIGHT MISHAPS

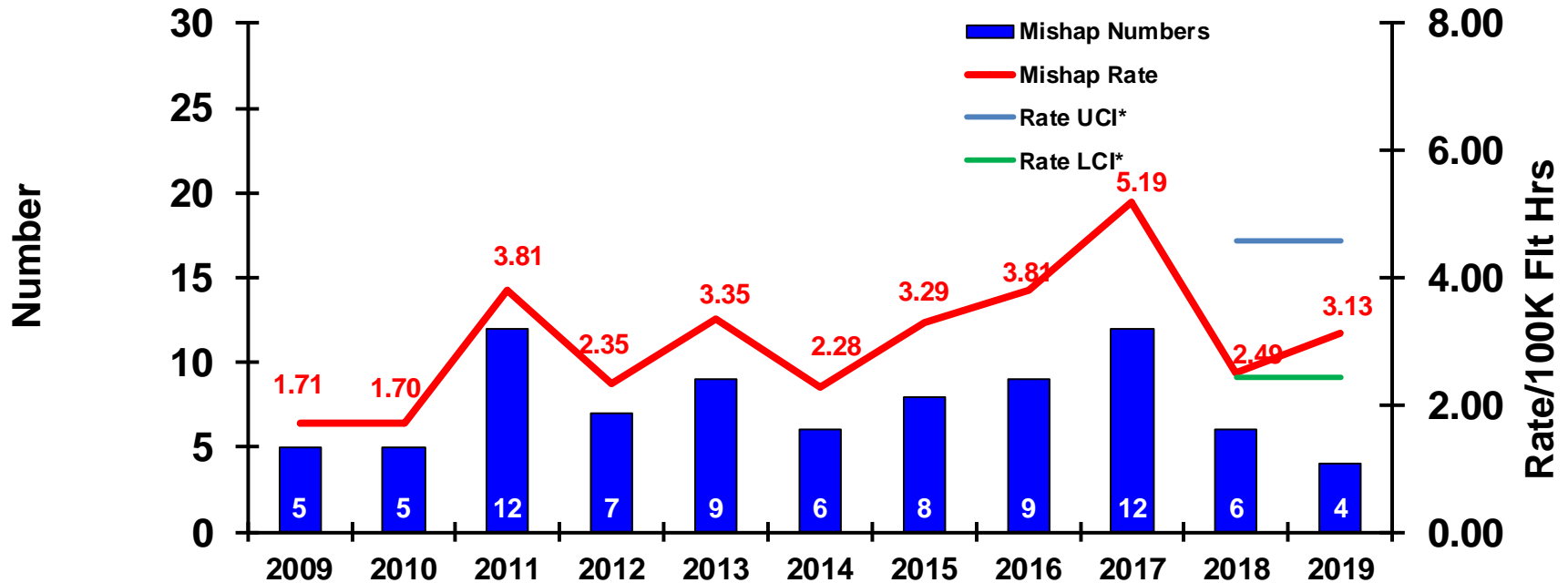
Manned Aircraft Only



	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FM/FM RATE FY COMPARISON:</b>	3/2.35	3/2.36
<b>FY18 MISHAPS/MISHAP RATE:</b>	5/2.08	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	6.50/2.49	



# CLASS A AVIATION MISHAPS

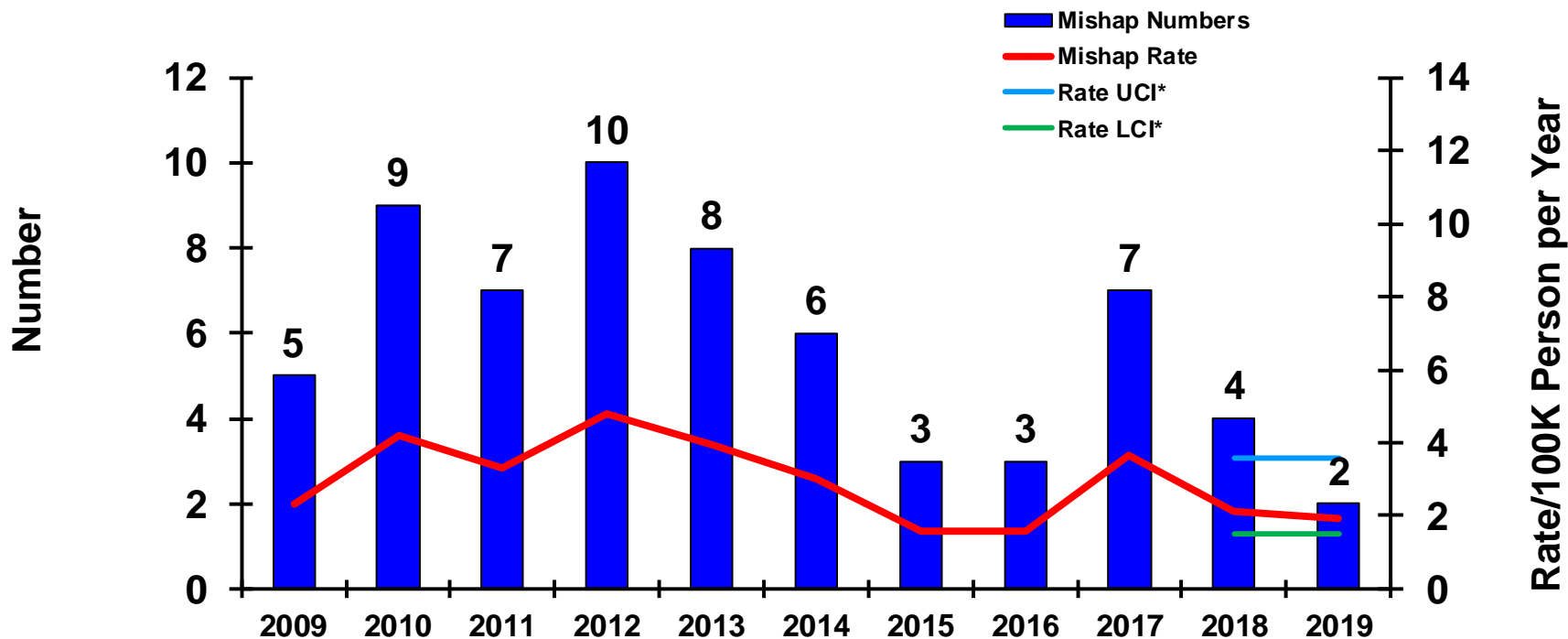


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	4/3.13	4/3.15
<b>FY18 MISHAPS/MISHAP RATE:</b>	6/2.49	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	7.90/3.00	





# CLASS A GROUND ON-DUTY MISHAPS

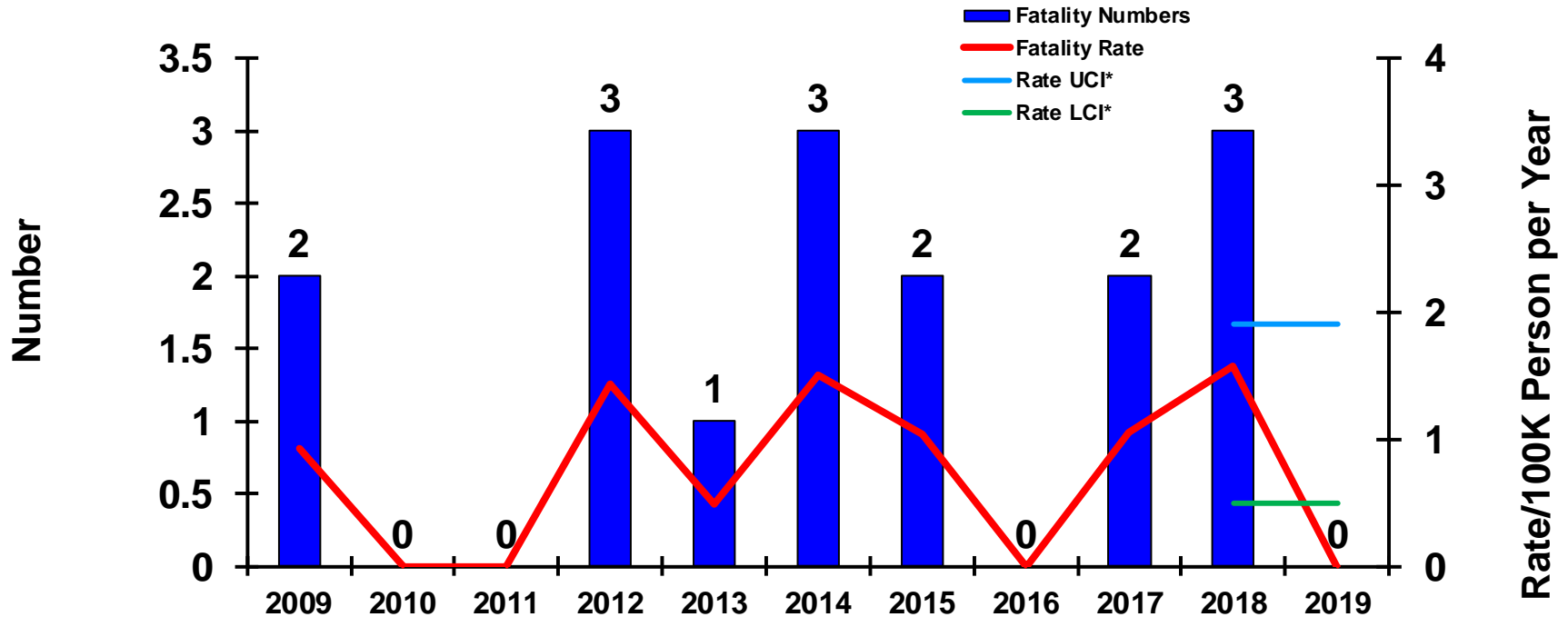


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	2/1.92	2/1.92
<b>FY18 MISHAPS/MISHAP RATE:</b>	4/2.10	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	6.20/3.05	

\*see last slide for definition of UCI/LCI



# PHYSICAL TRAINING FATALITIES



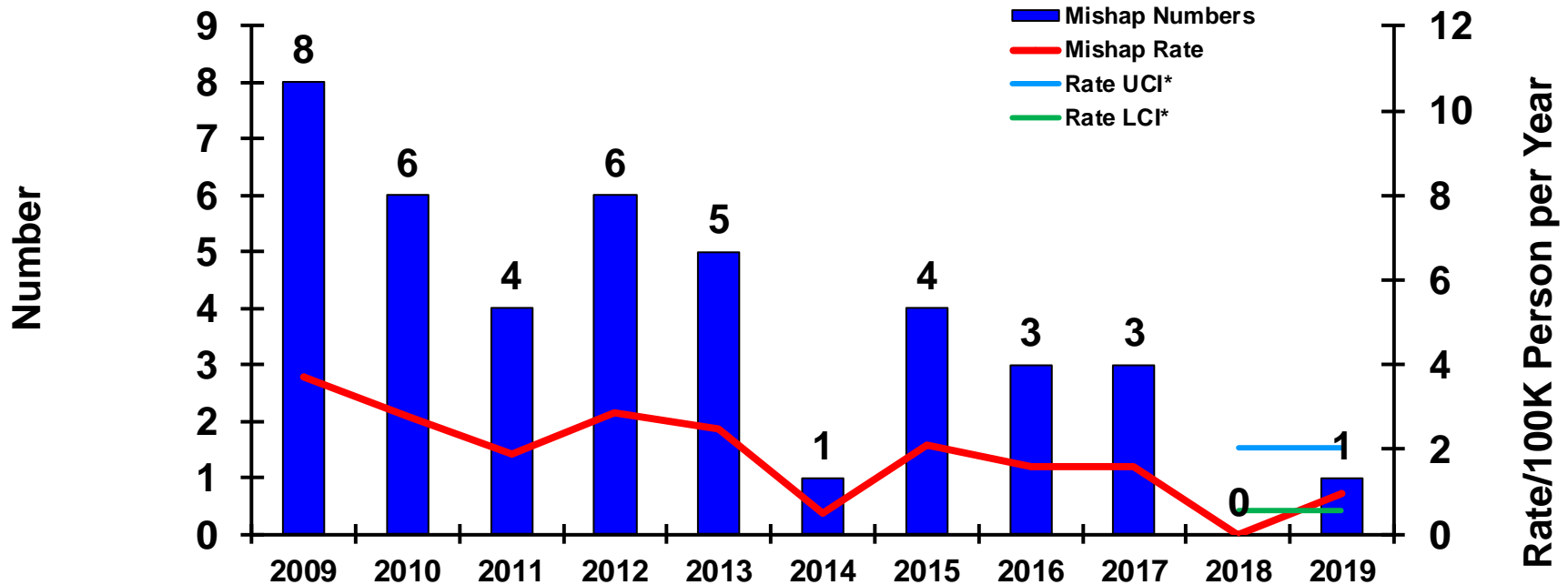
PT fatalities are also reflected in the Ground On-Duty Mishap slide

	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	0/0.00	1/0.96
<b>FY18 FATALITIES/FATALITY RATE:</b>	3/1.57	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	1.60/0.80	

\*see last slide for definition of UCI/LCI



# CLASS A ON-DUTY MV MISHAPS

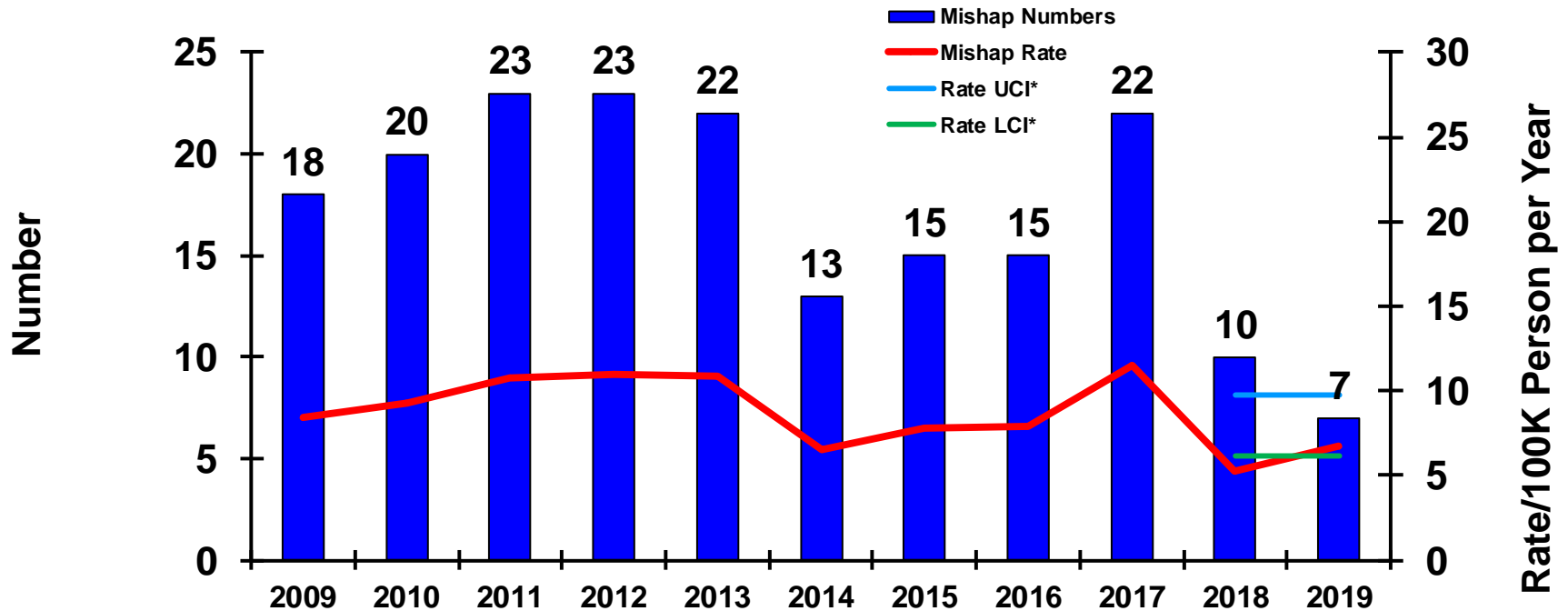


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	1/0.96	0/0.00
<b>FY18 MISHAPS/MISHAP RATE:</b>	0/0.00	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	4.00/1.95	

\*see last slide for definition of UCI/LCI



# TOTAL CLASS A ON-DUTY MISHAPS

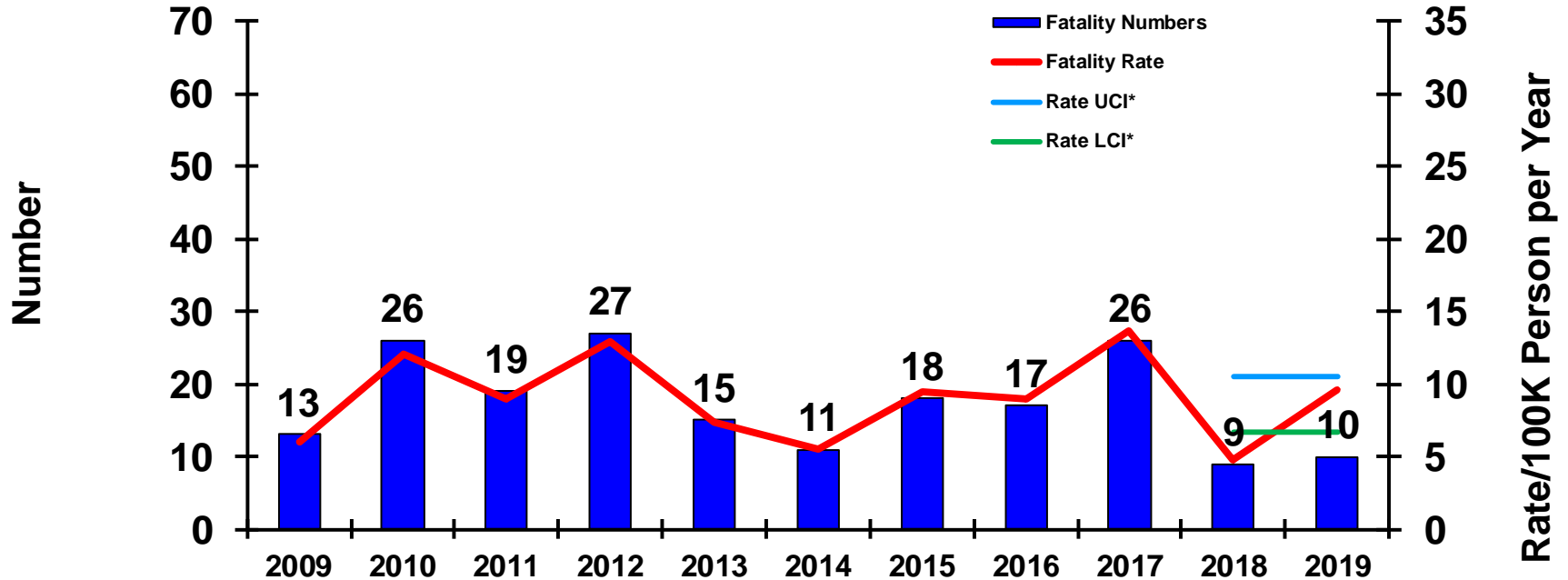


<b>CLASS A MISHAPS/MISHAP RATE FY COMPARISON:</b>	<u>17-Apr-19</u>	<u>17-Apr-18</u>
	7/6.73	6/5.76
<b>FY18 MISHAPS/MISHAP RATE:</b>	10/5.24	
<b>10-YEAR AVERAGE (FY09-18) MISHAPS/MISHAP RATE:</b>	18.10/8.94	

\*see last slide for definition of UCI/LCI



# ON-DUTY FATALITIES

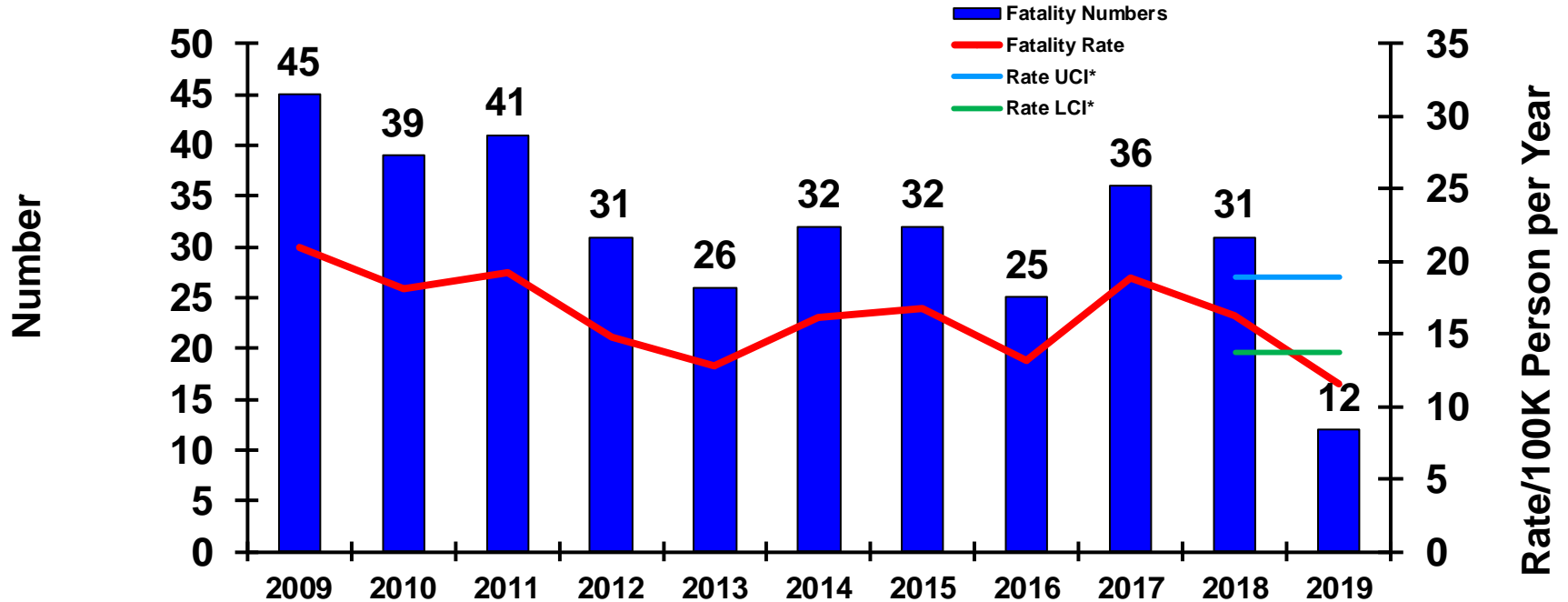


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	10/9.62	7/6.72
<b>FY18 FATALITIES/FATALITY RATE:</b>	9/4.72	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	18.10/8.96	

\*see last slide for definition of UCI/LCI



# PMV FATALITIES

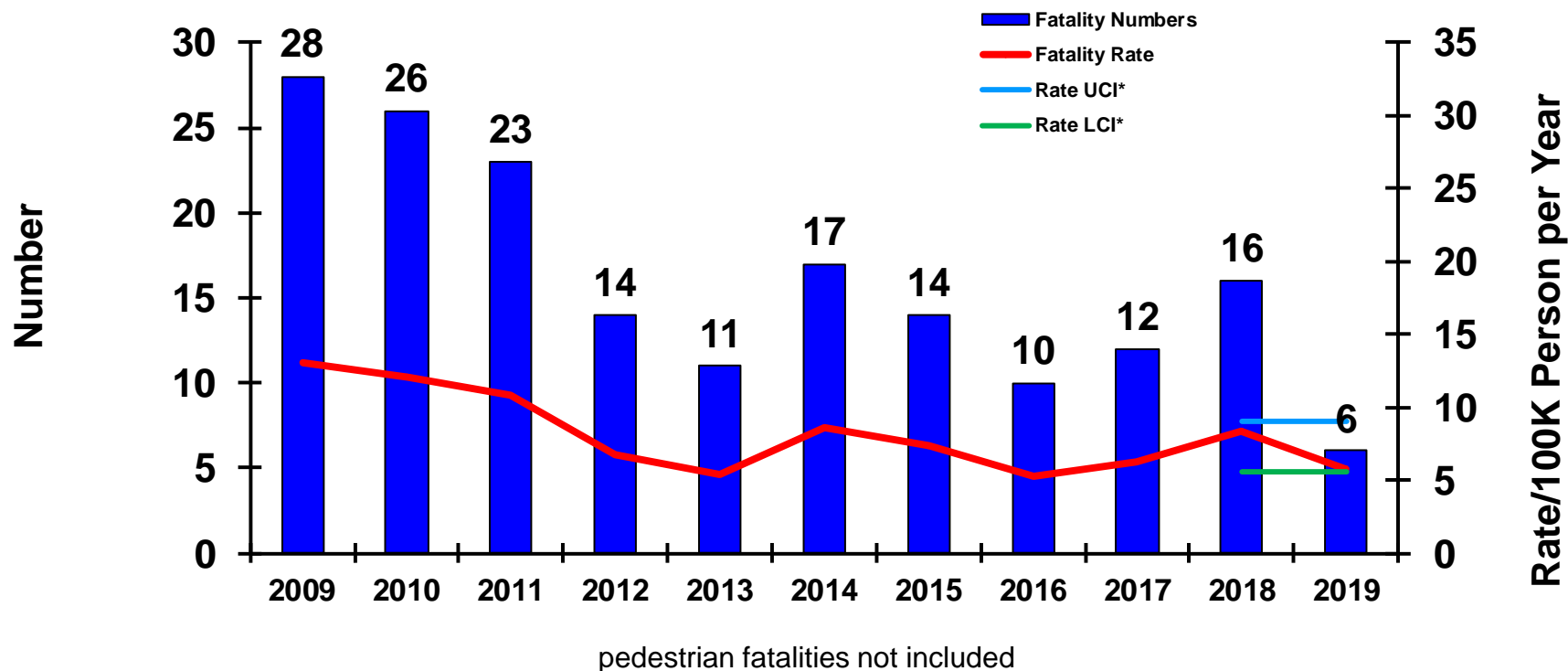


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	12/11.54	16/15.35
<b>FY18 FATALITIES/FATALITY RATE:</b>	31/16.26	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	33.80/16.71	

\*see last slide for definition of UCI/LCI



# 4-WHEEL PMV FATALITIES

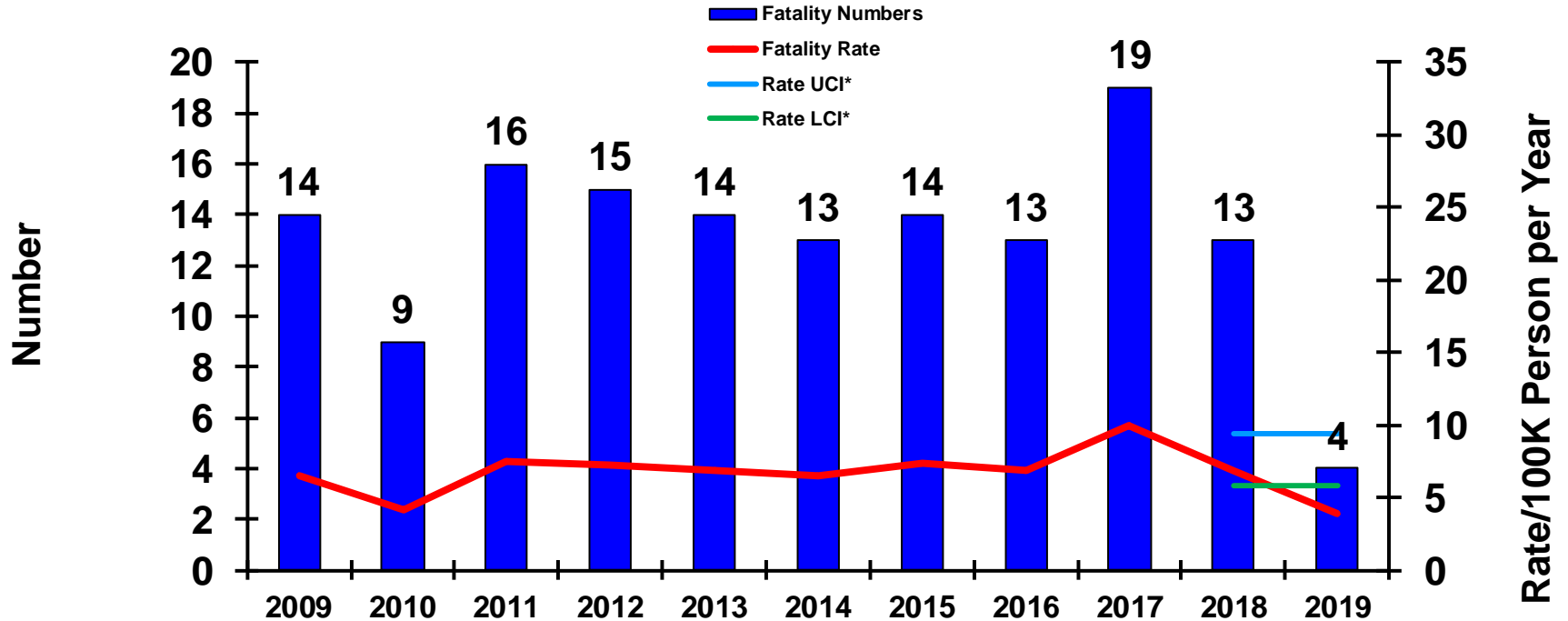


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	6/5.77	7/6.72
<b>FY18 FATALITIES/FATALITY RATE:</b>	16/8.39	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	17.10/8.39	

\*see last slide for definition of UCI/LCI



# MOTORCYCLE PMV FATALITIES



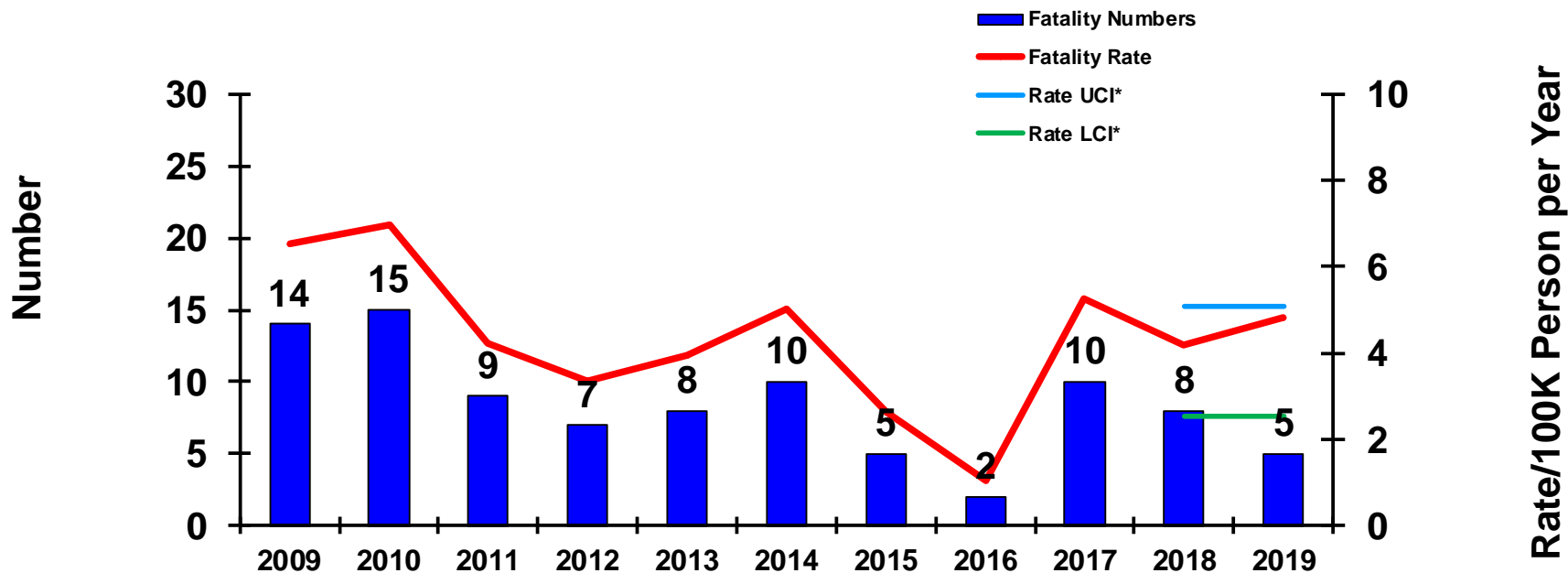
	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	4/3.85	8/7.68
<b>FY18 FATALITIES/FATALITY RATE:</b>	13/6.82	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	14.00/6.98	

\*see last slide for definition of UCI/LCI





# OFF-DUTY/REC FATALITIES

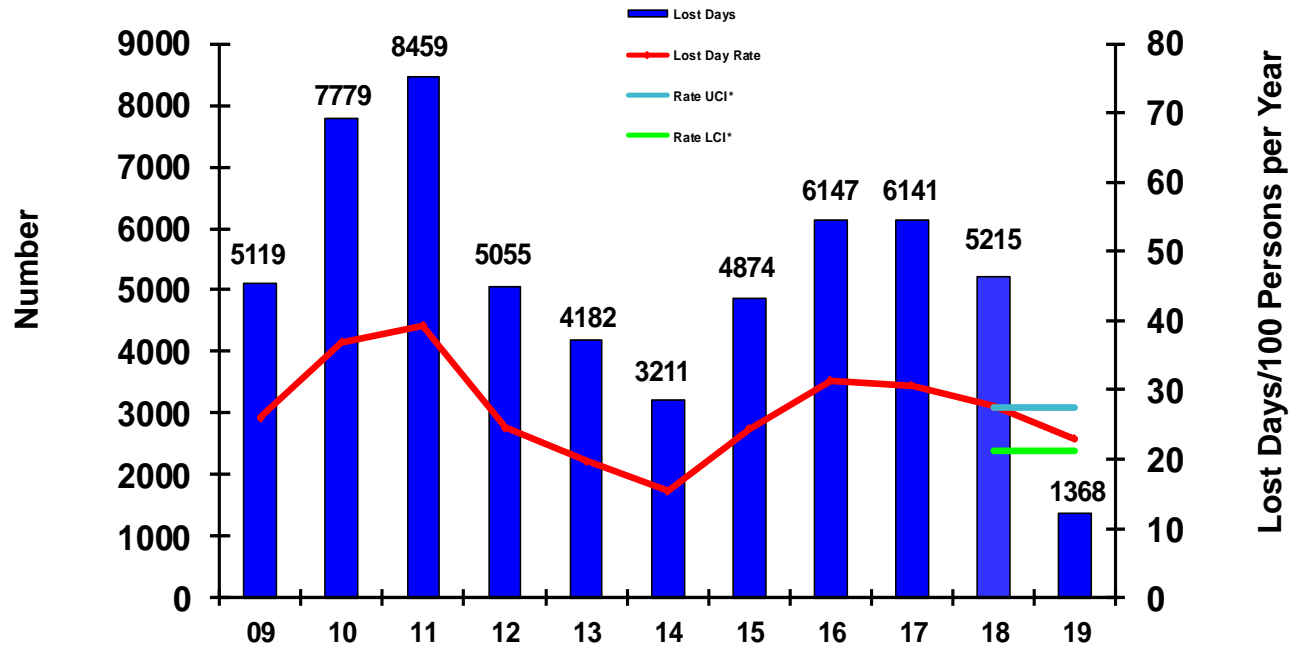


	<u>17-Apr-19</u>	<u>17-Apr-18</u>
<b>CLASS A FATALITIES/FATALITY RATE FY COMPARISON:</b>	5/4.81	4/3.84
<b>FY18 FATALITIES/FATALITY RATE:</b>	8/4.20	
<b>10-YEAR AVERAGE (FY09-18) FATALITIES/FATALITY RATE:</b>	8.80/4.32	

\*see last slide for definition of UCI/LCI



# CIVILIAN LOST WORK DAY

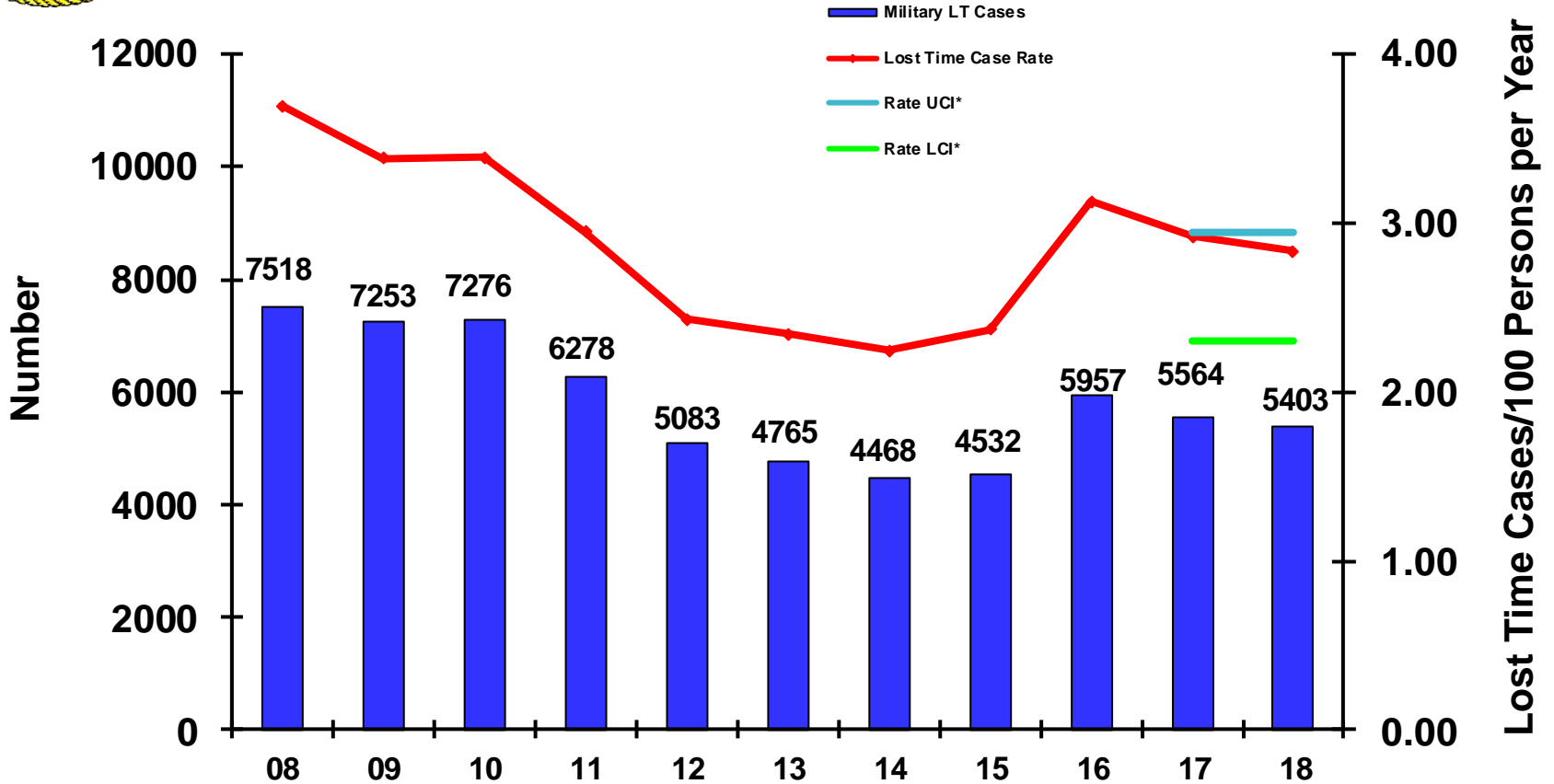


	<u>19 Jan 19</u>
LOST WORK DAY FY RATE COMPARISON:	22.90
FY18 LOST WORK DAY RATE:	27.60
5-YEAR AVERAGE (FY14-18) LOST WORK DAY RATE:	25.76

\*see last slide for definition of UCI/LCI



# MILITARY LOST TIME CASE RATE



**30 Sep 18**

**LOST WORK TIME CASE RATE: 2.83**

**FY17 LOST TIME CASE RATE: 2.92**

**5-YEAR AVERAGE (FY13-17) LOST TIME CASE RATE: 2.59**

\*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)

07 Feb 2019: (Tinker AFB, OK) E-6B being towed out of a hangar when vertical stabilizer struck the hangar. (AGM)

12 Nov 2018: (Philippine Sea) F/A-18F aircraft malfunction resulting in loss of aircraft; aircrew recovered and in stable condition.

18 Oct 2018: (Pacific Ocean) MH-60R crashed on takeoff onboard CVN.

04 Oct 2018: (NAS Lemoore, CA) A right engine fire occurred on a F/A-18F during a training flight. Emergency landing with no injuries.

09 Oct 2018: (Kadena AFB, Japan) Two HH-60H helicopters taxied into each other on the taxi ramp. No injuries. (AGM)

- USN AFLOAT CLASS A MISHAPS

22 Oct 2018: (Off the Coast of Iceland) Landing Craft Units in well deck were damaged during heavy seas.

- USN SHORE CLASS A MISHAPS

11 Feb 2019: (Lake Pend Oreille, ID) Experiment Support Platform (ESP) barge capsized.

02 Jan 2019: (Washington, DC) Flooding from piping/valve caused significant property damage.

10 Nov 2018: (Norfolk, VA) Shipboard damage and hospitalization of an E-7 after fire while in shipyard.

08 Nov 2018: (Virginia Beach, VA) E-5 suffered a permanent total disability while removing PVC pipe from a bollard in the shop.

02 Nov 2018: (NAS Cecil Field, FL) Hangar fire suppression system activated due to an unknown cause and doused five F/A-18C with agent.

- USN PHYSICAL TRAINING CLASS A MISHAPS

22 Feb 2019: (Great Lakes, IL) E-3 collapsed at the end of the run portion of the PFA. She died after being transported to the hospital.

- USN ON-DUTY MOTOR VEHICLE CLASS A MISHAPS

No mishap this FY.

# Navy Short Narratives

- USN PRIVATE MOTOR VEHICLE FATALITIES

03 Apr 2019: (San Diego, CA) E-3 died in a single-vehicle automobile mishap.

24 Mar 2019: (Demotte, IN) E-3 died in an automobile mishap.

18 Mar 2019: (Ventura County, CA) E-3 died in a single-vehicle automobile mishap

26 Feb 2019: (Jacksonville, FL) E-5 died on 04 Mar from injuries sustained when a suspected drunk driver ran a light and struck his motorcycle.

06 Feb 2019: (San Diego, CA) E-4 riding a motorcycle on a curve died after impacting a street sign.

30 Jan 2019: (Virginia Beach, VA) E-3 on motorcycle died after crossing over median and impacted oncoming traffic.

07 Jan 2019: (Fort Pierce, FL) E-7 and his civilian spouse died when their vehicle departed the turnpike and entered canal after being struck from behind.

29 Dec 2018: (Des Moines, IA) E-4 died on 1 January after his vehicle was struck from behind on the Interstate. Civilian passenger also killed.

16 Dec 2018: (Stonington, CT) E-6 passenger died when his vehicle was struck by another vehicle traveling in the wrong direction on interstate. E-5 driver is in stable condition.

16 Nov 2018: (King George, VA) E-2 died when he lost control of the vehicle and hit a tree. E-2 passenger is in stable condition.

11 Nov 2018: (San Diego, CA) E-5 died in a single-vehicle motorcycle mishap.

10 Nov 2018: (Melbourne, FL) E-3 died in a multi-vehicle motorcycle mishap while on PCS leave.

10 Nov 2018: (Monterey, CA) O-3 died when he lost control of his motorcycle and hit a guardrail while merging onto a highway.

10 Nov 2018: (Chesapeake, VA) E-7 when he lost control after passing another motorcycle.

28 Oct 2018: (Virginia Beach, VA) E-3 passenger died in an automobile mishap after he was ejected.

- USN OFF-DUTY/RECREATIONAL FATALITIES

04 Feb 2019: (Hermosillo, Mexico) E-5 was found deceased in his hotel room.

02 Feb 2019: (Norfolk, VA) E-5 died after being unresponsive in in public/private housing.

26 Jan 2019: (Jacksonville, FL) E-4 inadvertently shot himself in his home while off-duty. Sailor died in route to hospital.

# Marine Corps Short Narratives

- USMC AVIATION CLASS A MISHAPS (includes UAS/UAV, FRMs and AGMs not included in the Flight Slide)

30 Mar 2019: (Yuma, AZ) AH-1Z Viper struck ground during a nighttime training mission. Two aircrew fatalities.

28 Feb 2019: (MCAS Miramar, CA) Two F/A-18C's collided in mid-air while conducting CAS. Both aircraft landed safely. No injuries.

09 Dec 2018: (MCAS New River, NC) CH-53E landing gear inadvertently retracted during ground taxi. (AGM)

05 Dec 2018: (Philippine Sea) F/A-18D and KC-130J collided while performing fixed wing aerial refueling mission. F/A-18 aircrew ejected with one fatality. 5 aircrew fatalities in the KC-130.

- USMC GROUND CLASS A MISHAPS

01 Jan 2019: (Washington, DC) E-3 died after gunshot during guard company duty changeover.

06 Nov 2018: (Coolidge, AZ) E-4 suffered a permanent total disability during a training course.

- USMC PHYSICAL TRAINING CLASS A MISHAPS

No mishap this FY.

- USMC ON-DUTY MOTOR VEHICLE CLASS A MISHAPS

13 Apr 2019: (Camp Pendleton, CA) E-6 died on 15 April from injuries during MRZR roll-over. Two additional Marines and one Sailor had minor injuries.

- USMC PRIVATE MOTOR VEHICLE FATALITIES

10 Mar 2019: (Huntington Beach, CA) E-3 was hit by a vehicle while crossing the road.

20 Feb 2019: (Holly Ridge, NC) E-3 died when she was operating an automobile in a multi-vehicle mishap.

16 Jan 2019: (Jeffersonville, IN) E-3 was traveling in a POV when it was struck by a loose tire from another vehicle killing her.

14 Jan 2019: (El Paso, TX) E-1 died in a head-on collision.

02 Jan 2019: (Beckley, WV) E-7 died when a garbage truck collided with his vehicle.

28 Dec 2018: (Garland, TX) E-6 motorcyclist died in a multi-vehicle mishap.

22 Dec 2018: (Newaygo, MI) E-3 died in a single-vehicle automobile mishap.

# Marine Corps Short Narratives

- USMC PRIVATE MOTOR VEHICLE FATALITIES (continued)

18 Nov 2018: (Julian, CA) E-4 died on 22 Nov from injuries sustained in a single-vehicle motorcycle mishap.

18 Nov 2018: (Philadelphia, PA) E-8 died when he was hit by a vehicle while crossing the street.

16 Nov 2018: (Temecula, CA) E-5 motorcyclist died when he collided with another vehicle.

19 Oct 2018: (Richlands, NC) E-3 died in a motorcycle mishap on his way to work.

12 Oct 2018: (Snyder, TX) E-1 died in a multi-vehicle automobile mishap.

- USMC OFF-DUTY/RECREATIONAL FATALITIES

31 Mar 2019: (Murrieta, CA) E-7 found unresponsive in the morning and pronounced dead after CPR attempt by paramedics.

07 Mar 2019: (Independence, CA) O-2 declared deceased on 04 April after not reaching exit point of 10 day planned hike/ski of the Sierra High Route. Body not recovered.

05 Mar 2019: (Onamia, MN) E-5 died in a snow mobile mishap involving another vehicle.

01 Jan 2019: (Wyoming, MI) E-3 could not be revived after passing out on couch.

20 Oct 2018: (Havelock, NC) E-3 died when his weapon accidentally discharged while he was cleaning it.



# *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).