

Navy-Wide Rate and Rating Study of Off-Duty Mishaps

This report summarizes a detailed study of off-duty mishaps (recreation, athletic and home). That detailed list of specific ratings is available on this website.

It shows that we can identify and focus attention on higher-than-normal mishap rates for specific ratings and rates. The average mishap rate for all ratings is **99.59** and death rate is **6.49**. Ten rates were three times or greater than the average mishap rate (high of **491.80**). Ten rates were two times or greater than the average death rate (high of **36.76**).

Senior rates showed up more frequently in off-duty mishaps: 7 of 20 death rates were E-6 or above and 4 of 20 in mishap rates. Once again, I did not identify rates or ratings as "high risk" unless they had 150 or more people to ensure a fair and statistically significant sample.

[Click here for a spreadsheet with the complete Navy Off-Duty Study](#)

Note: Asterisks (*) indicate rates also appeared in the top-20 from the PMV study (those rates are high-risk in both areas).

Top-20 rates (death rates):

Rate	Pop	Deaths	Death Rate
SWCN	166	3	180.72
UTCN	252	2	79.37
STGSN	266	2	75.19
DCFN*	183	1	54.64
FCCS	191	1	52.36
ICFN*	391	2	51.15
FT3	215	1	46.51
YNCS	231	1	43.29
OSCS	234	1	42.74
YNSN	473	2	42.28
TM3	243	1	41.15
BMC	244	1	40.98
AZAN*	258	1	38.76
DKSN	258	1	38.76
MMCM	264	1	37.88
DK2	588	2	34.01
BU2	602	2	33.22
GSMC	302	1	33.11
BUCN	605	2	33.06
AZ1	672	2	29.76

These 20 rates (4.2 percent of all rates) accounted for 14.1 percent of all deaths). The top-50 rates (**10.5** percent of all rates) accounted for **38** percent of all deaths.

Top-10 Rates (deaths regardless of population – No. 10 spot is tied with 3 deaths each: AT3, BM1, CS3*, EM3*, ET3*, FC2, MM1, MM2*, MMC, SK1 and SWCN)

<i>Rate</i>	<i>Pop</i>	<i>Deaths</i>	<i>Mishap Rate</i>	<i>Death Rate</i>
AN*	14,108	10	75.84	7.09
SN*	13,299	10	123.32	7.52
AT2	3,338	6	101.86	17.97
IT2	4,234	6	87.39	14.17
HN	6,595	5	40.94	7.58
AOAN	2,046	4	117.30	19.55
ATAN	2,034	4	68.83	19.67
FN*	5,365	4	124.88	7.46
MM3*	5,330	4	121.95	7.50

Top-10 Ratings (deaths regardless of population)

<i>Rate</i>	<i>Pop</i>	<i>Deaths</i>	<i>Mishap Rate</i>	<i>Death Rate</i>
MM*	18,327	15	109.13	8.18
AT*	11,657	14	91.79	12.01
IT*	10,966	13	111.25	11.85
AN	14,108	10	75.84	7.09
HM*	24,391	10	47.97	4.10
SN*	13,299	10	123.32	7.52
EM*	9,395	9	110.70	9.58
ET*	16,207	8	110.45	4.94
YN	7,549	8	128.49	10.60
AO	8,119	7	99.77	8.62

Top-20 rates (mishap rates):

<i>Rate</i>	<i>Pop</i>	<i>Inj/Deaths</i>	<i>Mishap Rate</i>
DCFN*	183	9	491.80
MR3*	172	7	406.98
BMC	244	9	368.85
TM2	218	8	366.97
DC3	850	31	364.71
GMSN*	308	11	357.14
TM3	243	8	329.22
ICC	158	5	316.46
SWCN	166	5	301.20
ENFN*	372	11	295.70
AW3*	380	11	289.47
STGSN	266	7	263.16

OS3	1,681	42	249.85
GSEC	204	5	245.10
TM1	250	6	240.00
OSSN*	1,253	30	239.43
UTCN	252	6	238.10
STG3*	800	19	237.50
AZAN*	258	6	232.56
FT3	215	5	232.56

These 20 rates (4.2 percent of all rates) accounted for 4.7 percent of all injuries/deaths. The top-50 (**10.5** percent of all rates) accounted for **19.1** percent of all injuries/deaths.

Top 10 Ratings (mishap rate) Top-10 Ratings (death rate)

<i>Rate</i>	<i>Pop</i>	<i>Mishap Rate</i>	<i>Rate</i>	<i>Pop</i>	<i>Death Rate</i>
TM	899	300.33	SW*	816	36.76
DC*	3,490	223.50	UT*	1,018	19.65
STG	3,537	197.91	STG	3,537	16.96
QM	3,894	190.04	DK	1,829	16.40
HT*	3,899	171.84	BU*	2,517	15.89
BM	7,062	164.26	FT	1,417	14.11
GM	4,466	158.98	AT	11,657	12.01
OS	9,163	157.15	AZ	3,373	11.86
EN*	5,663	155.39	IT	10,966	11.85
MR*	1,173	153.45	STS	2,546	11.78

The people who are “high risk” in both (PMV and Off-Duty) lists may need immediate leadership attention. We don’t know specific causes for the higher rates, but we can look at intervention strategies: Discuss possible reasons for abnormally high rates, review work schedule and fatigue issues, present off-duty (Rec/Athletic/Home) training with focus on PPE and mishap prevention or drive-safe training for PMV.