



International Association of Drilling Contractors

Rotary Rig Incident Statistics Program

2019 Year to Date Summary Report By Category

4th Quarter Numbers

Category	Total Manhours	Total MTOs	Total RWTCs	Total LTIs	Total FTLs	Total RCRD	LTI INCD. Rate	LTI FREQ. Rate	DART INCD. Rate	DART FREQ. Rate	RCRD INCD. Rate	RCRD FREQ. Rate
US - Land	57,759,233.00	168	125	135	3	431	0.48	2.39	0.91	4.55	1.49	7.46
US - Water	20,418,649.00	13	27	8	0	48	0.08	0.39	0.34	1.71	0.47	2.35
Canada - Land	4,383,926.00	15	5	8	1	29	0.41	2.05	0.64	3.19	1.32	6.62
Canada - Water	1,452,776.00	1	0	1	0	2	0.14	0.69	0.14	0.69	0.28	1.38
Central America & Caribbean - Land	799,722.00	4	0	1	0	5	0.25	1.25	0.25	1.25	1.25	6.25
Central America & Caribbean - Water	3,427,657.00	0	7	1	0	8	0.06	0.29	0.47	2.33	0.47	2.33
European - Land	7,739,259.00	7	7	9	0	23	0.23	1.16	0.41	2.07	0.59	2.97
European - Water	28,460,706.00	28	17	28	0	73	0.20	0.98	0.32	1.58	0.51	2.56
Africa - Land	20,188,962.00	31	81	42	2	156	0.44	2.18	1.24	6.19	1.55	7.73
Africa - Water	15,901,896.00	10	9	5	0	24	0.06	0.31	0.18	0.88	0.30	1.51
Middle East - Land	85,321,608.00	57	54	27	2	140	0.07	0.34	0.19	0.97	0.33	1.64
Middle East - Water	44,452,742.00	25	36	12	0	73	0.05	0.27	0.22	1.08	0.33	1.64
Asia Pacific - Land	9,596,954.00	2	0	4	0	6	0.08	0.42	0.08	0.42	0.13	0.63
Asia Pacific - Water	35,005,541.00	12	8	30	0	50	0.17	0.86	0.22	1.09	0.29	1.43
South America Land	11,202,139.00	14	21	9	0	44	0.16	0.80	0.54	2.68	0.79	3.93
South America Water	9,722,023.00	6	3	7	0	16	0.14	0.72	0.21	1.03	0.33	1.65
Australasia - Land	2,153,142.00	3	4	0	0	7	0.00	0.00	0.37	1.86	0.65	3.25
Australasia - Water	2,285,103.00	3	1	2	0	6	0.18	0.88	0.26	1.31	0.53	2.63
US Combined	78,177,882.00	181	152	143	3	479	0.37	1.87	0.76	3.81	1.23	6.13
Canada Combined	5,836,702.00	16	5	9	1	31	0.34	1.71	0.51	2.57	1.06	5.31
Central America Caribbean Combined	4,227,379.00	4	7	2	0	13	0.09	0.47	0.43	2.13	0.62	3.08
European Combined	36,199,965.00	35	24	37	0	96	0.20	1.02	0.34	1.69	0.53	2.65
Africa Combined	36,090,858.00	41	90	47	2	180	0.27	1.36	0.77	3.85	1.00	4.99
Middle East Combined	129,774,350.00	82	90	39	2	213	0.06	0.32	0.20	1.01	0.33	1.64
Asia Pacific Combined	44,602,495.00	14	8	34	0	56	0.15	0.76	0.19	0.94	0.25	1.26

MTO = Medical Treatment Only	INCD = Incident Rate (200,000 manhours) :	<i>LTI INCD Rate = (LTIs + FTLs) * 200000 / Total Manhours</i>
RWTC = Restricted Work/Transfer Case		<i>DART INCD Rate = (RWTCs + LTIs + FTLs) * 200000 / Total Manhours</i>
LTIs = Lost Time Incident	FREQ = Frequency Rate (1,000,000 manhours) :	<i>RCRD INCD Rate = (MTOs + RWTCs + LTIs + FTLs) * 200000 / Total Manhours</i>
FTL = Fatality		<i>LTI FREQ Rate = (LTIs + FTLs) * 1,000,000 / Total Manhours</i>
RCRD = Total Recordables		<i>DART FREQ Rate = (RWTCs + LTIs + FTLs) * 1,000,000 / Total Manhours</i>
	DART = Days Away (LTI) cases + Restricted Work/Transfer Cases	<i>RCRD FREQ Rate = (MTOs + RWTCs + LTIs + FTLs) * 1,000,000 / Total Manhours</i>



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South America Combined	20,924,162.00	20	24	16	0	60	0.15	0.76	0.38	1.91	0.57	2.87
Australasia Combined	4,438,245.00	6	5	2	0	13	0.09	0.45	0.32	1.58	0.59	2.93
INDUSTRY TOTAL	360,272,038.00	399	405	329	8	1,141	0.19	0.94	0.41	2.0596	0.63	3.17

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