



International Association of Drilling Contractors
Rotary Rig Incident Statistics Program
2016 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 | 34,454,892.00 | 72 | 74 | 57 | 3 | 206 | 0.35 | 1.74 | 0.78 | 3.89 | 1.20 | 5.98 |
| US - Water | 27,758,082.00 | 27 | 29 | 11 | 1 | 68 | 0.09 | 0.43 | 0.30 | 1.48 | 0.49 | 2.45 |
| Canada - Land | 746,777.00 | 0 | 3 | 2 | 0 | 5 | 0.54 | 2.68 | 1.34 | 6.70 | 1.34 | 6.70 |
| Canada - Water | 1,550,957.00 | 0 | 2 | 0 | 0 | 2 | 0.00 | 0.00 | 0.26 | 1.29 | 0.26 | 1.29 |
| Central America & Caribbean - Land | 1,098,397.00 | 3 | 3 | 3 | 0 | 9 | 0.55 | 2.73 | 1.09 | 5.46 | 1.64 | 8.19 |
| Central America & Caribbean - Water | 3,625,577.00 | 1 | 3 | 2 | 0 | 6 | 0.11 | 0.55 | 0.28 | 1.38 | 0.33 | 1.65 |
| European - Land | 40,293,752.00 | 7 | 5 | 33 | 1 | 46 | 0.17 | 0.84 | 0.19 | 0.97 | 0.23 | 1.14 |
| European - Water | 28,551,227.00 | 36 | 19 | 17 | 0 | 72 | 0.12 | 0.60 | 0.25 | 1.26 | 0.50 | 2.52 |
| Africa - Land | 17,869,835.00 | 17 | 8 | 10 | 0 | 35 | 0.11 | 0.56 | 0.20 | 1.01 | 0.39 | 1.96 |
| Africa - Water | 20,158,743.00 | 9 | 10 | 1 | 0 | 20 | 0.01 | 0.05 | 0.11 | 0.55 | 0.20 | 0.99 |
| Middle East - Land | 100,829,919.00 | 125 | 56 | 62 | 3 | 246 | 0.13 | 0.64 | 0.24 | 1.20 | 0.49 | 2.44 |
| Middle East - Water | 48,357,670.00 | 19 | 31 | 13 | 0 | 63 | 0.05 | 0.27 | 0.18 | 0.91 | 0.26 | 1.30 |
| Asia Pacific - Land | 9,037,458.00 | 3 | 2 | 3 | 0 | 8 | 0.07 | 0.33 | 0.11 | 0.55 | 0.18 | 0.89 |
| Asia Pacific - Water | 34,362,981.00 | 21 | 12 | 18 | 1 | 52 | 0.11 | 0.55 | 0.18 | 0.90 | 0.30 | 1.51 |
| South America Land | 11,885,011.00 | 7 | 19 | 16 | 0 | 42 | 0.27 | 1.35 | 0.59 | 2.94 | 0.71 | 3.53 |
| South America Water | 11,885,667.00 | 8 | 6 | 6 | 0 | 20 | 0.10 | 0.50 | 0.20 | 1.01 | 0.34 | 1.68 |
| Australasia - Land | 1,250,447.00 | 0 | 3 | 0 | 0 | 3 | 0.00 | 0.00 | 0.48 | 2.40 | 0.48 | 2.40 |
| Australasia - Water | 2,515,780.00 | 4 | 2 | 0 | 0 | 6 | 0.00 | 0.00 | 0.16 | 0.79 | 0.48 | 2.38 |
| US Combined | 62,212,974.00 | 99 | 103 | 68 | 4 | 274 | 0.23 | 1.16 | 0.56 | 2.81 | 0.88 | 4.40 |
| Canada Combined | 2,297,734.00 | 0 | 5 | 2 | 0 | 7 | 0.17 | 0.87 | 0.61 | 3.05 | 0.61 | 3.05 |
| Central America Caribbean Combined | 4,723,974.00 | 4 | 6 | 5 | 0 | 15 | 0.21 | 1.06 | 0.47 | 2.33 | 0.64 | 3.18 |
| European Combined | 68,844,979.00 | 43 | 24 | 50 | 1 | 118 | 0.15 | 0.74 | 0.22 | 1.09 | 0.34 | 1.71 |
| Africa Combined | 38,028,578.00 | 26 | 18 | 11 | 0 | 55 | 0.06 | 0.29 | 0.15 | 0.76 | 0.29 | 1.45 |
| Middle East Combined | 149,187,589.00 | 144 | 87 | 75 | 3 | 309 | 0.10 | 0.52 | 0.22 | 1.11 | 0.41 | 2.07 |
| Asia Pacific Combined | 43,400,439.00 | 24 | 14 | 21 | 1 | 60 | 0.10 | 0.51 | 0.17 | 0.83 | 0.28 | 1.38 |
| South America Combined | 23,770,678.00 | 15 | 25 | 22 | 0 | 62 | 0.19 | 0.93 | 0.40 | 1.98 | 0.52 | 2.61 |
| Australasia Combined | 3,766,227.00 | 4 | 5 | 0 | 0 | 9 | 0.00 | 0.00 | 0.27 | 1.33 | 0.48 | 2.39 |
| INDUSTRY TOTAL | 396,233,172.00 | 359 | 287 | 254 | 9 | 909 | 0.13 | 0.66 | 0.28 | 1.3881 | 0.46 | 2.29 |
| MTO = Medical Treatment Only | | | | | | <i>LTI INCD Rate = (LTIs + FTLs) * 200000 / Total Manhours</i> | | | | | | |
| RWTC = Restricted Work/Transfer Case | INCD = Incident Rate (200,000 manhours) : | | | | | <i>DART INCD Rate = (RWTCs + LTIs + FTLs) * 200000 / Total Manhours</i> | | | | | | |
| LTi = Lost Time Incident | | | | | | <i>RCRD INCD Rate = (MTOs + RWTCs + LTIs + FTLs) * 200000 / Total Manhours</i> | | | | | | |
| FTL = Fatality | FREQ = Frequency Rate (1,000,000 manhours) : | | | | | <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> | | | | | | |
| | | | | | | <i>RCRD FREQ Rate = (MTOs + RWTCs + LTIs + FTLs) * 1,000,000 / Total Manhours</i> | | | | | | |
| | | | | | | DART = Days Away (LTI) cases + Restricted Work/Transfer Cases | | | | | | |