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# IADC 2016 Africa Water Totals (Table 1)

<table>
<thead>
<tr>
<th>Totals</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Manhours</td>
<td>20,158,743</td>
</tr>
<tr>
<td>Total Medical Treatment Incidents</td>
<td>9</td>
</tr>
<tr>
<td>Total Restricted Work Incidents</td>
<td>10</td>
</tr>
<tr>
<td>Total Lost Time Incidents</td>
<td>1</td>
</tr>
<tr>
<td>Total Fatalities</td>
<td>0</td>
</tr>
<tr>
<td>Total Recordables</td>
<td>20</td>
</tr>
</tbody>
</table>

- **MTO Incidence Rate**: 0.09
- **RWC Incidence Rate**: 0.10
- **LTI Incidence Rate**: 0.01
- **LTI Frequency Rate**: 0.05
- **DART Incidence Rate**: 0.11
- **DART Frequency Rate**: 0.55
- **Recordable Incidence Rate**: 0.20
- **Recordable Frequency Rate**: 0.99

**MEDICAL TREATMENT INCIDENCE RATE** = MTOs X 200,000 / MANHOURS (LTIs NOT INCLUDED)

**RESTRICTED WORK INCIDENCE RATE** = RWCs X 200,000 / MANHOURS (LTIs NOT INCLUDED)

**LOST TIME INCIDENCE RATE** = (LTIs+FTLs) X 200,000 / MANHOURS

**LOST TIME FREQUENCY RATE** = (LTIs+FTLs) X 1,000,000 / MANHOURS

**DART INCIDENCE RATE** = (LTIs+FTLs+RWCs) X 200,000 / MANHOURS

**DART INCIDENCE RATE** = (LTIs+FTLs+RWCs) X 1,000,000 / MANHOURS

**RECORDABLE INCIDENCE RATE** = RECORDABLES X 200,000 / MANHOURS

**RECORDABLE FREQUENCY RATE** = RECORDABLES X 1,000,000 / MANHOURS

Companies Reporting: Water – 23

*Figure 1: Africa Water Total Incidence Rates vs Man-hours*
Note: There was only one Lost Time Incident recorded for 2016, therefore there will not be any charts.

Africa Water Total Recordable Incidents by Month (Chart 1)
Based on 20 Incidents
Africa Water Total Recordable Incidents by Occupation (Chart 2)
Based on 20 Incidents

- Subsea Engineer: 5.00%
- Marine Crew: 5.00%
- Roustabout (Lease Hand): 15.00%
- Floorman: 30.00%
- Subsea Engineer: 5.00%
- Marine Crew: 5.00%
- Roustabout (Lease Hand): 15.00%
- Floorman: 30.00%

- Mechanic: 10.00%
- Electrician: 10.00%
- Toolpusher (Asst.TP, Tourpusher): 5.00%
- Driller (Asst. Dr.): 10.00%
- Derrickman: 5.00%
- Maintenance Super: 5.00%
- Marine Crew: 5.00%
- Roustabout (Lease Hand): 15.00%
- Floorman: 30.00%

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Africa Water Total Recordable Incidents by Body Part (Chart 3)
Based on 20 Incidents

- Finger(s) 55.00%
- Feet/Ankles 10.00%
- Leg(s) 5.00%
- Head 10.00%
- Arm(s) 15.00%
- Hand(s) / Wrist(s) 5.00%
Africa Water Total Recordable Incidents by Incident Type (Chart 4)
Based on 20 Incidents

- Struck By 20.00%
- Caught Between/In 30.00%
- Slip/Fall: Same Level 10.00%
- Slip/Fall: Different Level 5.00%
- Cut 20.00%
- Sprain 10.00%
- Caught On 5.00%

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Africa Water Total Recordable Incidents by Equipment (Chart 5)
Based on 19 Incidents

- Rig Floor Winch/Deck Winch (air/hydraulic): 10.53%
- BOP Stack (well head, tree): 5.26%
- Stairs: 5.26%
- Decks (grating, walkway): 5.26%
- Welding, Cutting, Grinding Equipment: 5.26%
- Pressure Hoses/Lines: 5.26%
- Crane: 5.26%
- BOP Stack (well head, tree): 5.26%
- Welding, Cutting, Grinding Equipment: 5.26%
- Engines/Pumps/Machinery: 15.79%
- Pipes/Collars/Tubulars/Csg.: 15.79%
- Slips (drill collar clamp): 5.26%
- Elevators: 5.26%
- Cathead/Drawworks: 5.26%
- Iron Roughneck, Pipe Spinner, etc.: 5.26%
Africa Water Total Recordable Incidents by Operation (Chart 6)
Based on 20 Incidents

- Rig Move (Towing/Anchor Handling): 5.00%
- Tripping in/out: 20.00%
- Routine Drilling Oper.: 15.00%
- Laying Down/Picking up Tubulars: 5.00%
- Making Connection: 5.00%
- Equipment Repairs or Maintenance: 25.00%
- Material Handling: Manual: 10.00%
- Material Handling: Crane/Cherry Picker: 5.00%
- Rigging Up/Down: 5.00%
- Abrasive Blasting/Paint/Scale Removal: 5.00%
Africa Water Total Recordable Incidents by Location (Chart 7)
Based on 19 Incidents

- Rig Floor: 36.84%
- Pipe Rack/ Pipe Deck: 21.05%
- BOP Stack / well head / tree Area: 5.26%
- Shale Shaker: 10.53%
- Cellar / Sub / Moonpool: 10.53%
- Machinery Spaces: 5.26%
- Mud Pump Room: 10.53%
Africa Water Total Recordable Incidents by Time in Service (Chart 8)
Based on 18 Incidents

- >5 yrs. < 10 yrs.
  5.56%
- >3 mos. < 6 mos.
  5.56%
- >1 yr. < 5 yrs.
  88.89%
Africa Water Total Recordable Incidents by Time of Day (Chart 9)
Based on 19 Incidents

- 10:00: 10.53%
- 11:00: 10.53%
- 12:00: 5.26%
- 13:00: 5.26%
- 14:00: 5.26%
- 15:00: 5.26%
- 16:00: 10.53%
- 17:00: 15.79%
- 18:00: 10.53%
- 19:00: 5.26%
- 20:00: 5.26%
- 21:00: 5.26%
- 22:00: 5.26%
- 23:00: 5.26%
- 1:00: 5.26%
- 2:00: 5.26%
- 3:00: 5.26%
- 4:00: 5.26%
- 5:00: 5.26%
- 6:00: 5.26%
- 7:00: 15.79%
- 8:00: 5.26%
- 9:00: 15.79%
Africa Water Total Recordable Incidents by Age (Chart 10)
Based on 17 Incidents

- 36 - 45: 47.06%
- 26 - 35: 35.29%
- 46 - 55: 5.88%
- 56 - 65: 5.88%
- 66 & Above: 5.88%