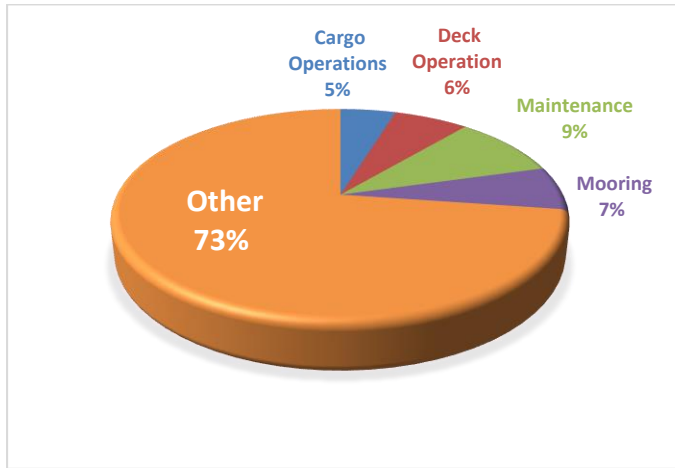


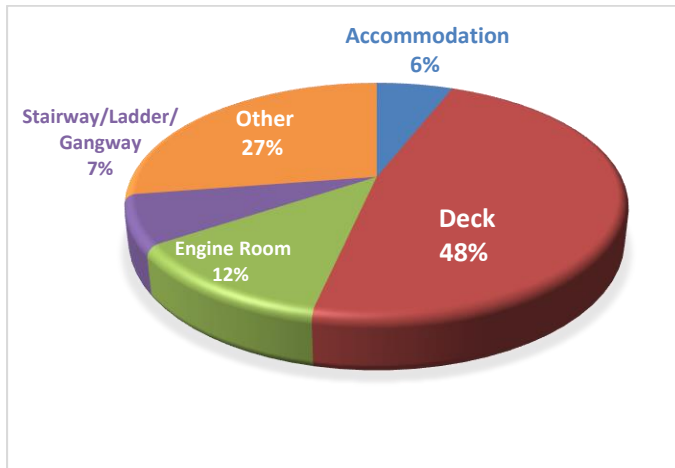


in connective and muscles tissue damage. Lack of situational awareness is one of the main factors that causes these type of injuries, where workers are often unaware of any objects on the floor or there is any change in elevation to the walking surface. Interestingly, ankle injuries often result during maintenance, mooring and deck operation tasks (Figure 3).



**Figure 3.** Ankle Injuries Based on the Task Performed

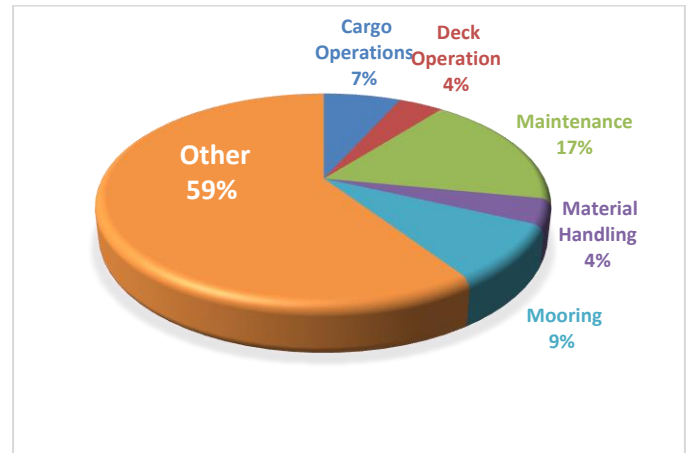
Furthermore, most of the ankle injuries occur on the deck, in the engine room and on the Stairway/Ladder/Gangway (Figure 4).



**Figure 4.** Ankle Injuries Based on the Location

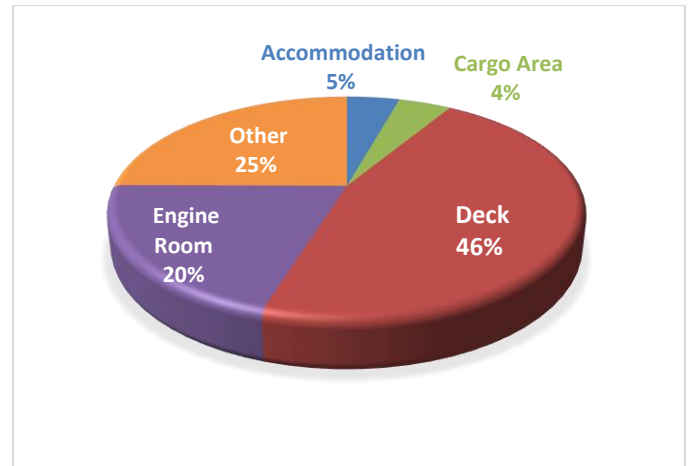
**Leg Injuries** – This includes injuries to the areas of the leg other than the foot and ankle. Most injuries occur at the knee joint, however burns and cuts to these areas are not uncommon. Similar to foot and ankle injuries, most of

the leg injuries occur during maintenance tasks, mooring and cargo operations (Figure 5).



**Figure 5.** Leg Injuries Based on the Task Performed

Interestingly, leg injuries occur in the similar areas on the vessel as ankle and foot injuries: deck, engine room, accommodation and cargo area (Figure 6).



**Figure 6.** Leg Injuries Based on the Location.

Studying the records within MSRI relating to leg, ankle and foot injuries it is possible to determine many behaviors and situations that lead to injuries to the lower extremity of the body. Table 1 provides several incident scenarios that are common among leg, ankle and foot injuries which have been paired with corrective actions and lessons learned to aid in the prevention of these types of injuries in the future.