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**Trend of Monkeypox disease, Liberia, 2017 to 2018**

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**Introduction:** Monkeypox is a rare viral zoonotic disease that occurs primarily in remote parts of central and West Africa, near tropical rainforests. Case fatality in outbreaks has been between 1% and 10%, with most deaths occurring in younger age group.  
 Since 1970 human cases have been reported from 10 African countries including Liberia as well. We conducted this study to review monkeypox data in Liberia from 2017 to 2018, to estimate the burden of cases by person, place and time and to show the trend of monkeypox cases in Liberia over the period of two years.

**Methods:** Liberia is a West African Country, its covers a land area of 43,000 squares miles with the population density of 83/square miles. The population of Liberia is 2,730,437(LDP 2017) and has 15 counties. We conducted a retrospective surveillance data review on monkeypox in Liberia from 2017 to 2018. We conducted descriptive analysis and determined possible relationships among the variables to set the pace for further analytical study.

**Results:** Six out of fifteen counties (40%) reported cases of suspected monkeypox. We recorded sixteen cases from 2017 to 2018. Male accounted for 81% (13) of cases reported. The median age 18.5 years (3-43). Rivercess County reported the highest number of cases 5(31%) during the two years period, while Montserrado and Sinoe reported the least amount of cases 1(6%) for the two year 2018.Nine cases(56%) were recorded in 2018. The incidence rate for 2017, 3 per 100,000 population, 2018; 3 per 100,000 population.

**Conclusion:** Most of the cases were among male and commoner among middle aged persons. There was an increasing trend of cases in Liberia, although incidence rate remains the same. Therefore, we recommend that NPHIL/Partners to should consider including monkeypox among priority diseases in Liberia.

**Key words:** Monkeypox, Zoonotic, Case fatality, Outbreak

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