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**Title:** Is Rubella Present in Grand Gedeh County, Liberia, 2018

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**Background:** Rubella is an infection caused by Rubella virus. Each year more than 100,000 children particularly in developing countries are born with congenital rubella syndrome (CRS). Rubella is not part of the diseases being monitored in IDSR in Liberia. However, if measles is tested negative, the laboratory tests for rubella. This study was conducted to determine the presence of rubella and describe the presence of rubella by person, place and time and to make recommendations.

**Method:** Grand Gedeh County is located in Southern Region of Liberia with an estimated population of 152,191. The county has six health districts. A retrospective study was conducted where we extracted rubella laboratory results from the 2017-2018 measles laboratory results database. Findings were presented in graphs using proportion.

**Results:** A total of 75 suspected cases, all were tested for Rubella from Grand Gedeh County in 2017 & 2018. Of the total 21 (28%) were positive with median age 7 (1 -19) years, 48 (64%) were negative, and 6 (8%) equivocal. Among confirmed cases 13 (62%) were females; 7 (25%) from Konobo District and 5/21 (23.8%) from Cavalla District. Confirmed cases in 2017 accounted for 15/21 (71.4%) and 6/21 (29%) in 2018. Among the confirmed cases during the two years period by sex, in 2017, 73.3% were females while in 2018, 66.7% (4) were males.

**Conclusion:** Rubella exists in Grand Gedeh County with more confirmed cases in 2017. Konobo District reported majority of confirmed cases, among the confirmed cases females accounted the highest number. We recommend that further study be conducted nationwide to estimate the burden of rubella in Liberia.

Key words: Rubella, congenital, syndrome, Vaccine