* Task 1. Flag all the suspicious values. (Outliers, repetitions, etc.) (spend max 15 minutes)
  + **This is done in Excel file already & mentioned there.**
* Task 2. Review the national and subnational coverage for MR1. Your data manager produces the following tables. What can you conclude from the administrative data?
  + At national level coverage is good, however Nemo & Westtan having persistently low coverage since 2011 to 2017
* Task 3. Review coverage evaluation survey data. You remember that in 2013, there was a coverage evaluation survey. You pull up the data for that. Does this change your view about coverage at national level? For any of the regions?
  + Coverage evaluation survey and reported coverage shows marked difference in Alu, Grandtown, Nemo, Remo, Chello, Grandtan and Westtan, however there is not much difference at national level in evaluation & coverage data
* Task 4. Review the chart with the age distribution of measles cases. Does that tell you anything additional about coverage?
  + 56% of cases are till the age of 14 years and rest higher group is in 20+ age group, which shows low immunity in very young and very high age groups.
* Task 5. Brief the Minister (spend max 1/2 hour on this section). Summarize the situation in three bullet points.
  + After the last Measles outbreak in 2011 & high quality Measles SIAs saved us from any other outbreak, however we should have conducted next Measles SIAs in 2015 or 2016 which we missed and now due high number of susceptible this new outbreak occurred. Majority of cases of Measles cases are unvaccinated.
  + Now we need to investigate the situation and plan a high quality Measles SIAs.
  + Logistics/Vaccines/trainings should be provided and communication strategies should be implemented
* Task 6. Brief the Minister. Propose three actions to respond to the outbreak.
  + Transparent communication on the outbreak, media briefing.
  + Provide the best care/treatment who are affected by Measles
  + Immediate funding and planning of high quality Measles SIAs/with Vitamin A supplements.
* Task 7. Formulate recommendations. List your top 3-5 recommendations specific to data strengthening you would prioritize as the EPI and surveillance teams in Vacciland.
  + A urgent need of staff’s training engaged in data preparation and microplanning, as there is inconsistency in data/either they are over reporting or under reporting. (Need to do good microplanning). Switching of paper based to electronic data managements.
  + Develop and implement a communication strategy especially for populations like “B” for their better understanding of importance of immunization and better use of services provided to them.
  + Appropriate need of registration of all eligible children or get reliable data of high risk populations.