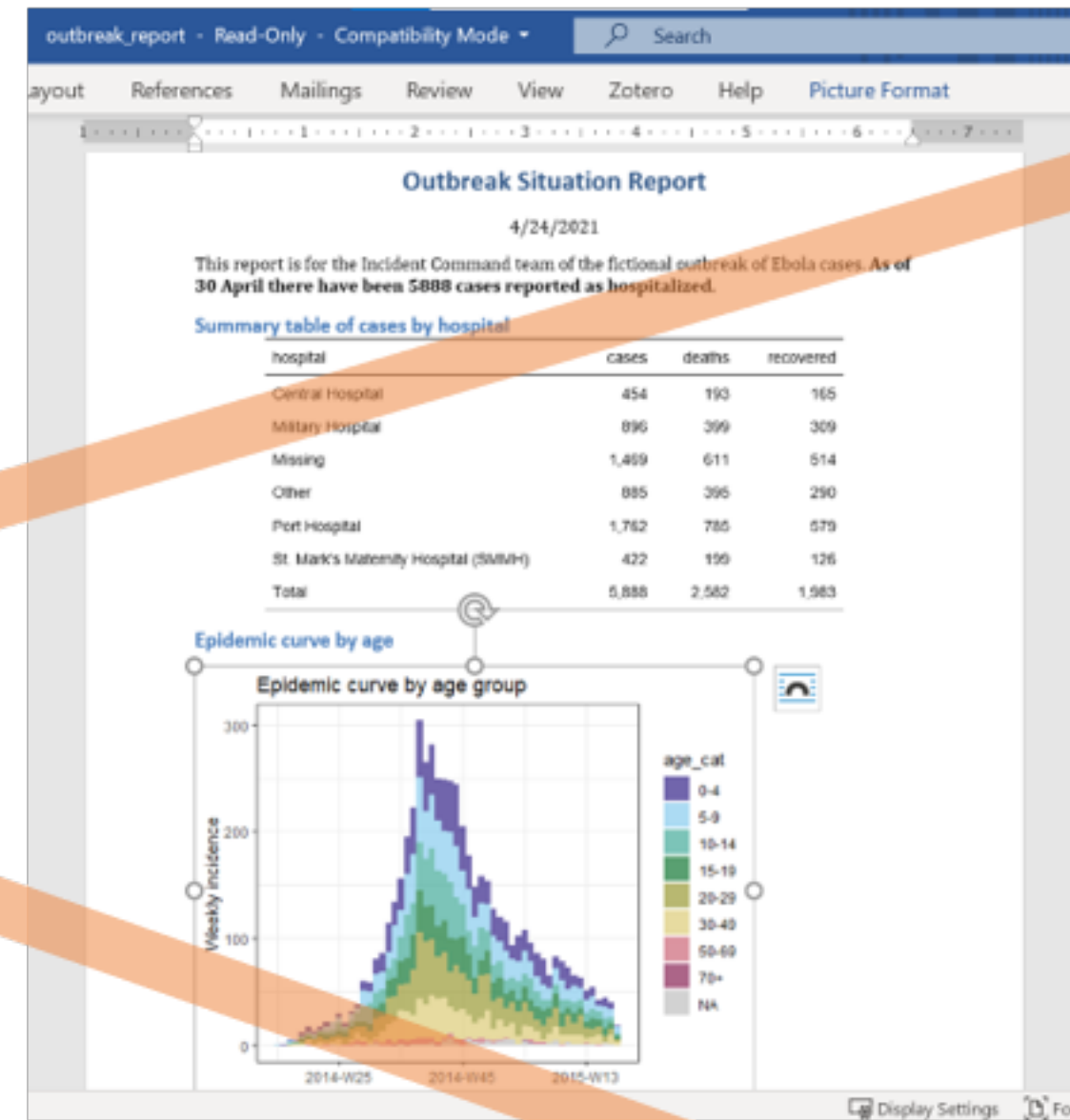


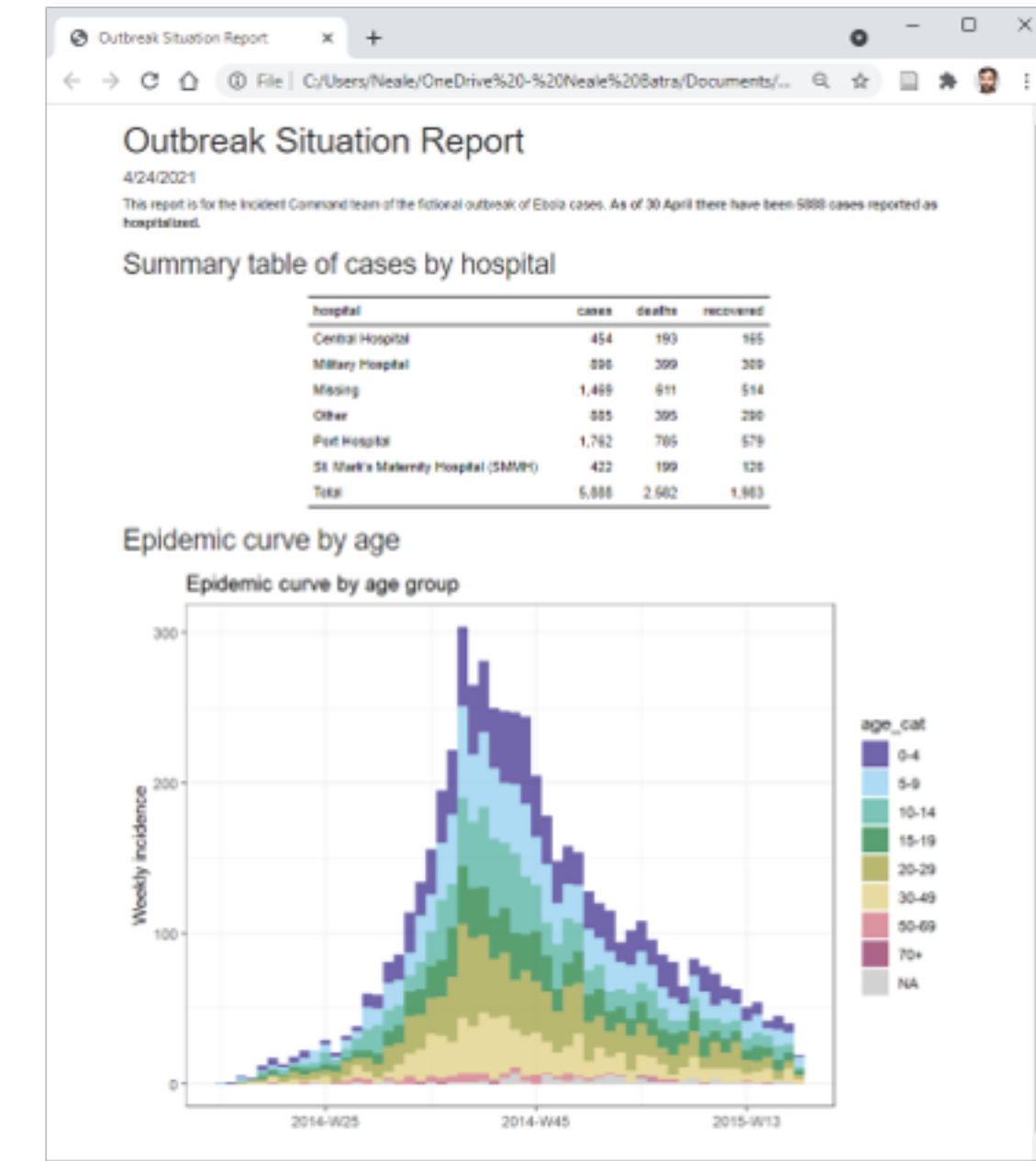
R Markdown script

```
1 ---  
2 title: "Outbreak Situation Report"  
3 date: "4/24/2021"  
4 output: word_document  
5 ---  
6  
7 {r setup, echo=FALSE}  
8 pacman::p_load(rio, here, tidyverse, janitor, incidence2, flextable)  
9 linelist <- rio::import(here::here("data", "case_linelists", "linelist_cleaned.rds"))  
10  
11  
12 This report is for the Incident Command team of the fictional outbreak of Ebola cases.  
13 **As of 'r format(max(linelist$date_hospitalisation, na.rm=T), "%d %B")' there have  
14 been 'r nrow(linelist)' cases reported as hospitalized.**  
15  
16 ## Summary table of cases by hospital  
17 {r, echo=F, out.height="75%"}  
18 linelist %>%  
19 filter(!is.na(hospital)) %>%  
20 group_by(hospital) %>%  
21 summarise(cases = n(),  
22 deaths = sum(outcome == "Death", na.rm=T),  
23 recovered = sum(outcome == "Recover", na.rm=T)) %>%  
24 adorn_totals() %>%  
25 qflextable()  
26  
27 ## Epidemic curve by age  
28 {r, echo=F, warning=F, message=F, out.height = "75%", out.width="100%"}  
29 # create epicurve  
30 age_outbreak <- incidence(  
31 linelist,  
32 date_index = date_onset, # date of onset for x-axis  
33 interval = "week", # weekly aggregation of cases  
34 groups = age_cat)  
35  
36 # plot  
37 plot(age_outbreak, n_breaks = 3, fill = age_cat, col_pal = muted, title = "Epidemic  
38 curve by age group")  
39  
40
```

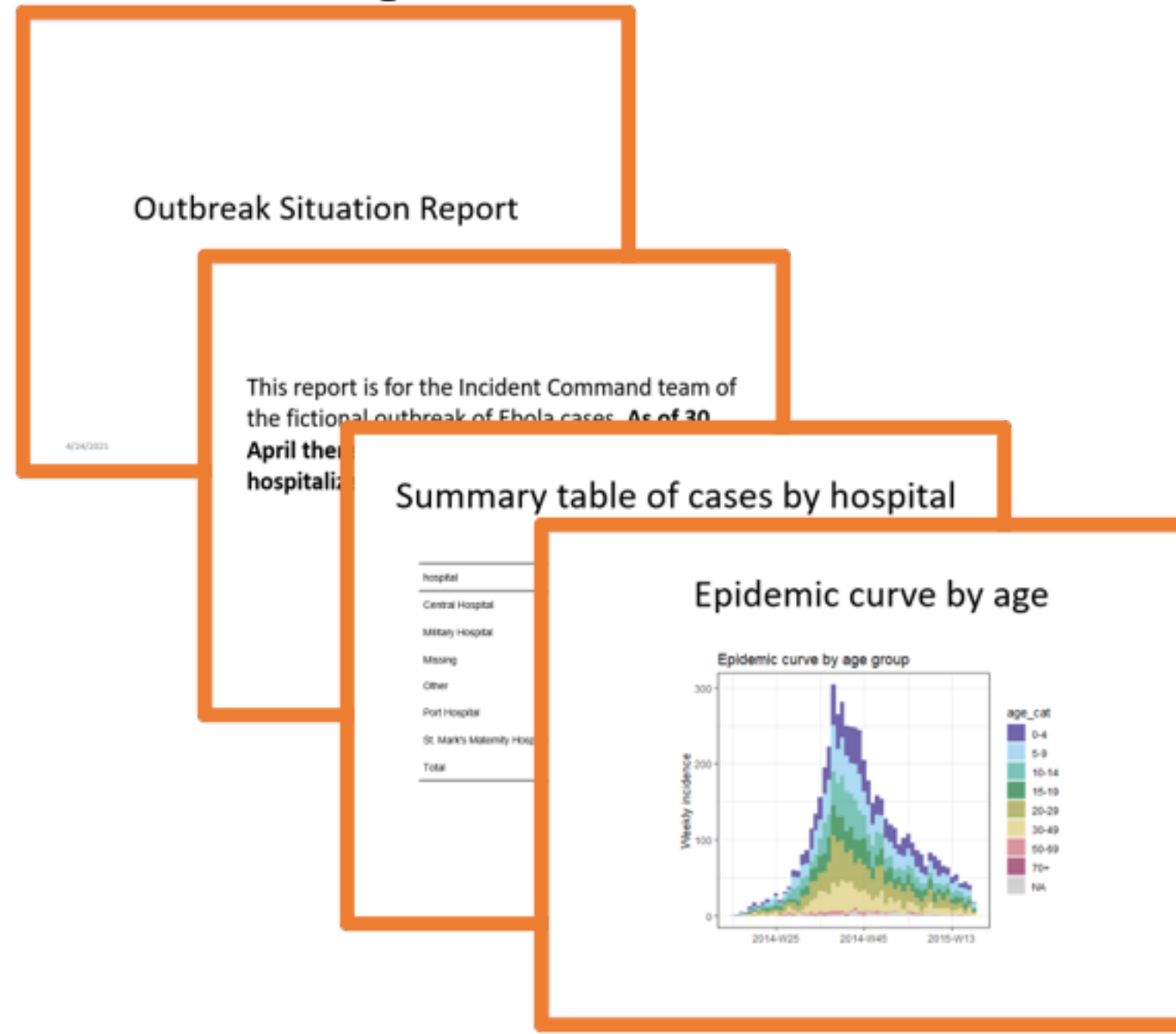
Word



HTML



Powerpoint



PDF

