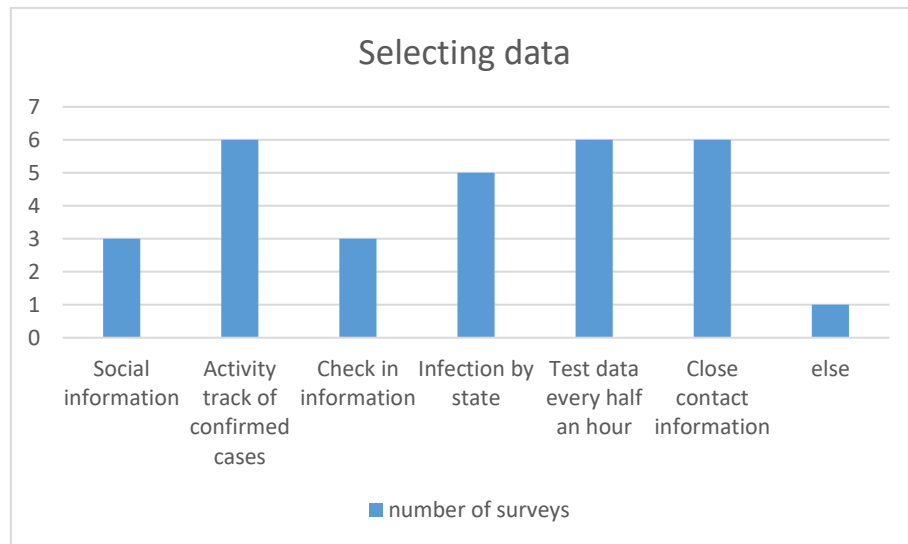# Report

Through the questionnaires above, we interviewed many staff engaged in covid-19 epidemic prevention and control in China. They all come from the shelter hospital (centralized isolation and treatment point) and CDC organizations, or volunteer organizations that have participated in epidemic prevention and control, and have in-depth research and understanding on the prevention, control and response of covid-19. In the two years of prevention and control work, we have accumulated a lot of work experience, which has a strong guiding significance for us to screen data and select visual performance methods.

Through the statistics and analysis of the above questionnaire interview results, we found that the activity track of confirmed cases, information of close contacts, infection status in various states, test data every half an hour and so on are all crucial information. According to the results of the questionnaire survey (the most selected data were obtained), we used the activity track of confirmed cases, detection every 1 / 2 hour, close contact information and infection in each state as visual data.

To show the data:

a) Use a broken line chart to show the change of the number of confirmed patients every 1 / 2 hour in each state

b) Map the total number of confirmed cases in each state

c) The contact between cases is represented by a graph

d) Map / graph the flow of confirmed cases

Visual display:

a) The user selects the state (name) →jump to the broken line chart of the number of confirmed cases detected in the corresponding state within 24 hours

b) The map shows the interval of the number of confirmed cases in each state (different colors represent different interval colors) → the user clicks the corresponding state → the cumulative number of confirmed cases in that state is displayed

c) Relationship diagram between multiple cases with intersection (action trajectory crossing)

d) Case notification → the user clicks the case → I) the map displays the action track (flow) of the case

Or: II) the text shows the action track (flow) of the case