Survey1 (related to covid-19):

Interviewee: A staff (Lin) in centralized isolation and treatment point

Which data are more expected to be included in the technical analysis (multiple choice)

A. Social information
B. Activity track of confirmed cases
C. Check in information
D. Test data every half an hour
E. Infection by state
F. Close contact information
G. else

Reasons：

If there is such a program, the more information the better; The more affirmation the public wants, the better.

More expected data presentation form (multiple choices)

A. Bar chart
B. Line chart
C. Pie chart
D. Map
E. Else

：Use maps to show the risk levels of different regions (the number of confirmed patients) and mark them with different colors. Combined with the analysis of the fluctuation of the number of confirmed cases, we can better formulate coping strategies.

Possible practical uses of the technology

It can intuitively understand the global epidemic trend. For example, the epidemic in Shaanxi is far away from us, and many people still don't realize that the epidemic is still breaking out. If this program is available, people can intuitively see the epidemic trend and attract attention

A. Whether the application of this technology has an important meaningimportant
B. commonly
C. unimportance

Reason:

It can improve the vigilance of the public and facilitate the masses to understand the epidemic trend more intuitively.

How urgent is the need for this technology to be applied to covid-19

A. Urgent need
B. commonly
C. No urgent need
D. unwanted

It can be used as the analysis and statistics of cases, and the relationship between the number of cases can be investigated, which is more conducive to tracing the source. At present, there is no relevant data in the local area. If there is an outbreak, similar consultation can quickly respond,

accurately locate and save manpower and financial resources

Other relevant suggestions or opinions (not required):
It is hoped that the statistics and comparison charts of all ages and genders will be increased to help identify vulnerable groups and improve the public's awareness of self-protection.

Survey1 (related to covid-19):
interviewee： A staff (Zhang) in CDC
Which data are more expected to be included in the technical analysis (multiple choice)

H. Social information
I. Activity track of confirmed cases
J. Check in information
K. Test data every half an hour
L. Infection by state
M. Close contact information
N. else

Reasons： Based on the above information, analyze and judge the domestic epidemic trend and predict the development trend of the epidemic

More expected data presentation form (multiple choices)

E. Bar chart
F. Line chart
G. Pie chart
H. Map
E. Else

It can visualize the incidence of diseases in domestic provinces / states

Possible practical uses of the technology

:It is convenient for real-time control of the epidemic dynamics of domestic provinces / cities / states.

It is convenient for all localities to control the flow of personnel in medium and high-risk areas.

Formulate local prevention and control policies

D. Whether the application of this technology has an important meaningimportant
E. commonly
F. unimportance

Reason:
It is conducive to the formulation of prevention and control policies and the implementation of measures.
It is conducive to the promotion and popularization of science.

How urgent is the need for this technology to be applied to covid-19

E. Urgent need

F. commonly
G. No urgent need
H. unwanted

With the advent of cold winter in the northern hemisphere, the epidemic situation continues to be severe, and the visual information is urgently needed to assist the work.

Other relevant suggestions or opinions：
I hope to make a wechat applet so that people can query and use it at any time.

Survey1（与 covid-19 相关）：
We plan to develop visualization programs for designing information about domestic covid-19
Hope to get guidance and advice from professionals in the relevant field

Interviewee: A pharmacist (Tian) in centralized isolation and treatment point
Which data are more expected to be included in the technical analysis (multiple choice)

O. Social information
P. Activity track of confirmed cases
Q. Check in information
R. Test data every half an hour
S. Infection by state
T. Close contact information
U. else

Reasons：
Daily changes in confirmed cases by state
Diagnostic patient itinerary

More expected data presentation form (multiple choices)

I. Bar chart
J. Line chart
K. Pie chart
L. Map
E. Else

The line chart is used to represent the detection data within every half hour, which intuitively reflects the changes in the number of confirmed cases.
The bar chart indicates the number of confirmed cases per state

Possible practical uses of the technology

answer：Can be used to assist in the epidemiological investigation
G. Whether the application of this technology has an important meaningimportant
H. commonly
I. unimportance

Reason:
： Interest statistics summary and visualization performance is more convenient for the

development of mass supervision work.

How urgent is the need for this technology to be applied to covid-19

I. Urgent need
J. commonly
K. No urgent need
L. unwanted

Reasons / views: In China, local information has been publicly available and updated in real time.

Other relevant suggestions or opinions (not required):

answer:

Survey1 (related to covid-19):

We plan to develop visualization programs for designing information about domestic covid-19

Hope to get guidance and advice from professionals in the relevant field

Interviewee: A staff (Xia) in CDC

V. What data is expected to be included in the technical analysis (multiple options)Social information
W. Activity track of confirmed cases
X. Check in information
Y. Test data every half an hour
Z. Infection by state
AA. Close contact information
AB. else

Reasons：

Under the normal prevention and control, the staff and the masses are fighting for a long time, and many people have a great rebellious mentality. In contrast, the domestic epidemic is easier, which leads to many people's neglect or even disapproval. There are hidden reports and concealments for us to transfer. If the program has check-in and group living information analysis, we can further truly understand the information, Prevent the occurrence of aggregated epidemic; The hourly detection data is conducive to our real-time control of the situation of key populations (recovery of discharged patients, centralized isolation and conversion of suspected cases to confirmed cases, etc.); The information analysis of close contacts can greatly reduce the repeated and cumbersome work of staff. After the transfer, many of the close contacts pointed out by patients are unknown and unfamiliar, lack a lot of accurate information, and it is easy to transfer key groups. It also plays a certain role in screening the contacts who are concealed or denied; Analysis of infection in various states: it is helpful for us to analyze the distribution and take effective measures for accurate prevention and control.

More expected data presentation form (multiple choices)

M. Bar chart
N. Line chart
O. Pie chart
P. Map

E. Else

The line chart directly reflects the increase and decrease trend of our patients every day; The sector chart can analyze the proportion of gender, practice age and disease; The map is simple and intuitive to see the distribution location of the epidemic situation.

Potential practical use of the technology

Assist grass-roots flow survey staff or other staff related to epidemic prevention and control to carry out flow survey (including telephone flow survey after big data push), health monitoring, touch and arrange key populations, and monitor the epidemic situation and development trend in real time. Avoid unnecessary contradictions in the process of flow regulation.

Whether the application of this technology has an important meaning

J. important

K. commonly

L. unimportance

Reason:

In particular, grass-roots health institutions, including township health centers and county-level disease control, have a wide range of grass-roots tasks and lack of personnel, which is conducive to the termination of human resources and the rational completion of various tasks.

How urgent is the need for this technology to be applied to covid-19

M. Urgent need

N. commonly

O. No urgent need

P. unwanted

Epidemic prevention and control is a normal and long-term process, avoiding fatigue war, coordinating staff flow adjustment with information technology, and quickly and accurately finding out key populations.

interviewee： An epidemic prevention and control volunteer (Zhang)

What data is expected to be included in the technical analysis (multiple options)Social information

AC. Activity track of confirmed cases

AD. Check in information

AE. Test data every half an hour

AF. Infection by state

AG. Close contact information

AH. else

Reasons：

Nucleic acid testing data are important for us to control the epidemic situation in real time; the infection situation and the activity trajectory of confirmed cases can help us grasp the risk situation in our jurisdiction; close contact information can help us control the spread of the virus and protect the vulnerable population in the fastest time.

More expected data presentation form (multiple choices)

Q. Bar chart

R. Line chart

S. Pie chart

T. Map

E. Else

：The map allows us to intuitively understand the risk situation of each place and helps to accurately control the flow of personnel within the jurisdiction. The broken line chart can well reflect the development trend of the epidemic and help us predict the future trend of the epidemic.

Possible practical uses of the technology

Community staff can focus on monitoring the inflow of people within their jurisdiction according to the regional risk level shown in the map. Epidemic prevention workers can understand the epidemic situation all over the country in real time. People can also have a clearer understanding of the epidemic situation from intuitive information

Whether the application of this technology has an important meaningimportant

M. commonly

N. unimportance

Reason:

How urgent is the need for this technology to be applied to covid-19

Q. Urgent need

R. commonly

S. No urgent need

T. unwanted

Reason / opinion:

Other relevant suggestions or opinions (not required):

answer:

Survey1 (related to covid-19):

We plan to develop visualization programs for designing information about domestic covid-19

Hope to get guidance and advice from professionals in the relevant field

Interviewee: An epidemic prevention and control volunteer (He)

What data is expected to be included in the technical analysis (multiple options)

Which data are more expected to be included in the technical analysis (multiple choice)

AI. Social information

AJ. Activity track of confirmed cases

AK. Check in information

AL. Test data every half an hour

AM. Infection by state

AN. Close contact information

AO. else

Reasons：

Reason / opinion: the group information can see the type of people the patient contacts, which

can be compared to avoid frequent contact with such people in the future. Secondly, the trajectory diagram is intuitive and obvious, and the propagation range can be known. Then the half-hour test results can effectively avoid the further expansion of the transmission risk of some potential infected persons due to the untimely or inaccurate test results

More anticipated form of data presentation (multiple options)More expected data presentation form (multiple choices)

U. Bar chart
V. Line chart
W. Pie chart
X. Map
E. Else

Reason：The line chart can see the fluctuation of data, the sector chart can see the focus of data through the scale, and the map can show the data information more intuitively, vividly and macroscopically in the infection range.

Possible practical uses of the technology

Be able to count the infection and analyze the potential infection hazards for prevention.

Is the application of this technology important

O. important
P. commonly
Q. unimportance

Reason:

At present, the information on virus transmission and infection is too single and the content is not comprehensive, especially for the majority of people.

How urgent is the need for this technology to be applied to covid-19

U. Urgent need
V. commonly
W. No urgent need
X. unwanted

Reason：Because it can improve the emergency capacity of epidemic prevention and control and help the government to improve the efficiency of epidemic prevention and control