Multimedia Appendix 1. Sample questions for the semistructured interviews.

Patients

- 1. Do you or your family think this software is easy to use?
- 2. Can you talk about the process and content of the nurse's guidance on how to use this app?
- 3. What is the biggest challenge for you or your family in using the app?
- 4. Can you talk about the advantages and disadvantages of the App?
- 5. Can you talk about the further expectations of the App?

Nurses

- 1. What type of tasks do you give your patients to conduct their volume balance monitoring at home?
- 2. What types of information should be delivered via I-Self-Care?
- 3. What is the greatest challenge in teaching patients to use I-Self-Care?
- 4. What is the biggest challenge for you to use I-Self-Care?
- 5. What are the advantages and disadvantages of I-Self-Care?
- 6. What are the further expectations for the use of I-Self-Care?





README FILE OF I-Self-Care

How to do fluid balance management for patients with heart failure

Shanghai China Zhongshan Hospital, Fudan university

PART ONE

For the

Patient

How to log in?

Method 1: Click the login link:

https://fluid.zs-hospital.sh.cn/

Method 2: Scan the WeChat QR code:



How to log in?

Account No.: medical record No.

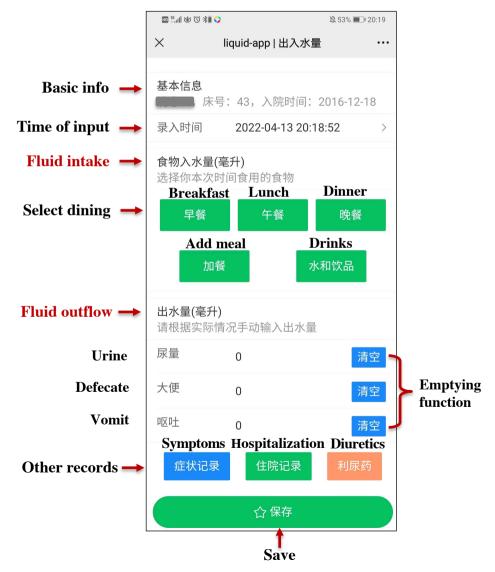
Password: last 4 digits of ID card



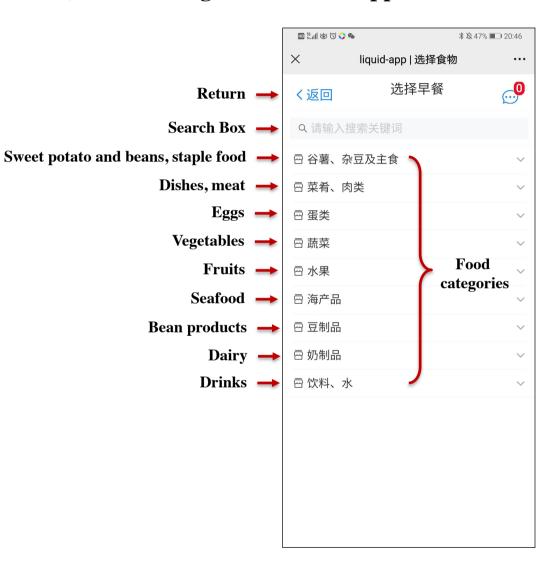
Fluid intake: Select dining according to your situation

Fluid outflow: Enter the number according to your

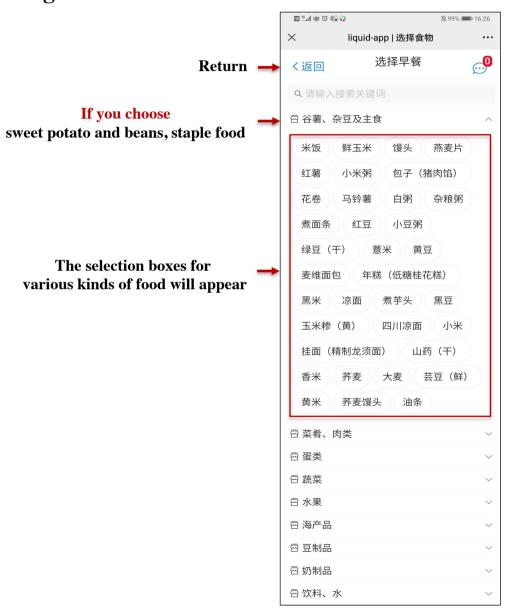
situation



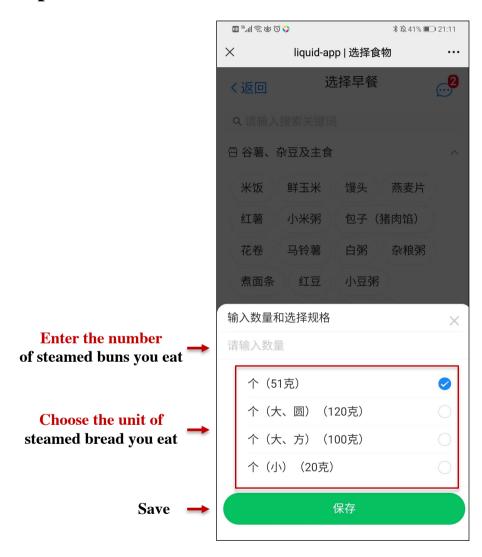
Whether you choose breakfast, lunch, dinner or add meals, the following interface will appear.



You can use the search function or select food categories.



You can choose the food you have eaten, for example steamed buns.



After you save the food you eat, you can see a number in the upper right corner of the interface.



Click the number



The food you eat will appear



If you input wrong, slide left and delete



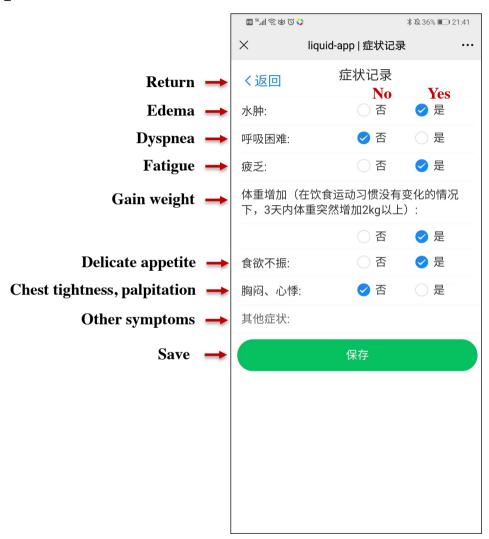




Tips

The above shows the recording method of only one kind of food, and the recording methods of other foods are the same as above.

Symptoms record

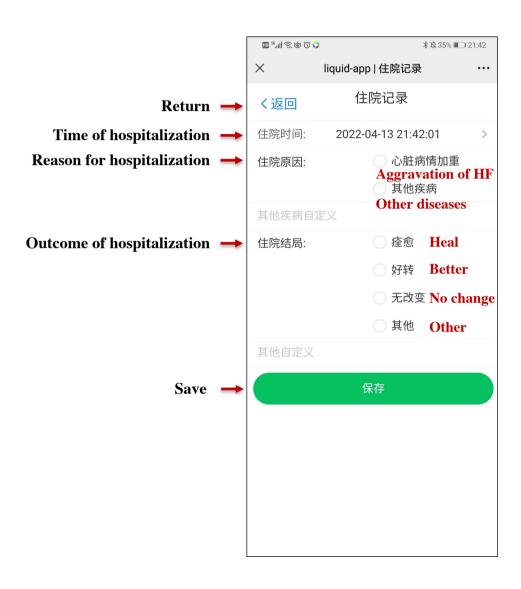


Tips

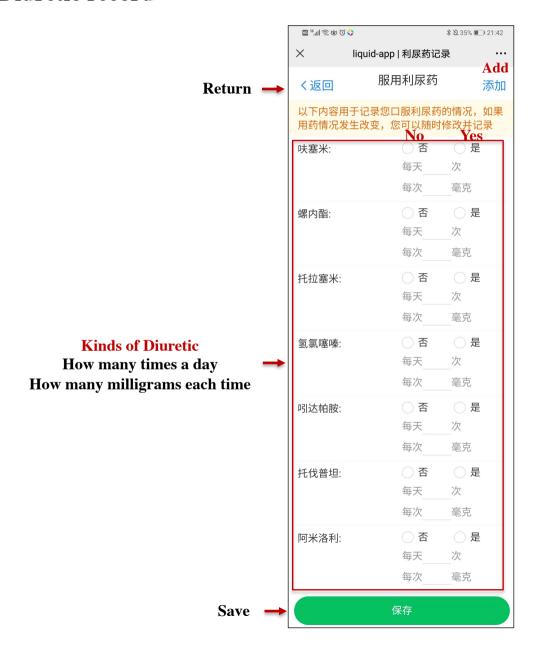
When you log in the next time after inputting symptoms, a box will automatically pop up in the main interface to ask whether your symptoms have changed. If there are changes, you can modify them directly in the message box, and then click OK. If not, click Cancel.



Hospitalization record



Diuretic record

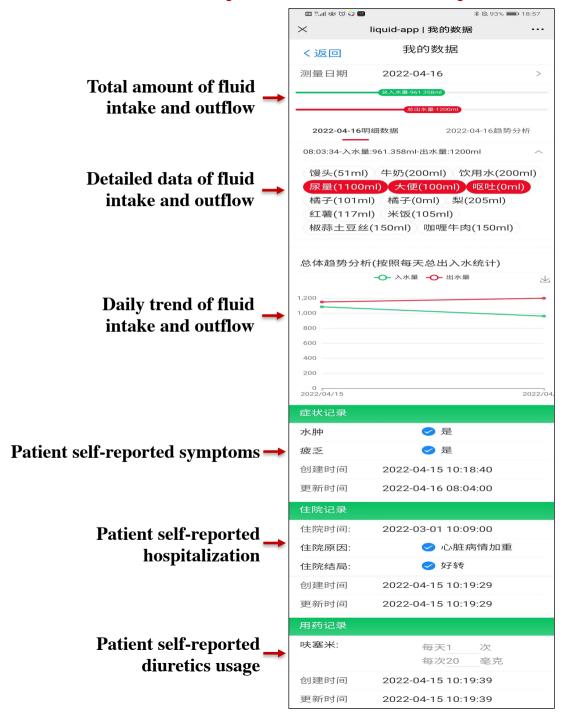


Data analysis and summary



Slide to select date

Data analysis and summary



PART TWO For Medical Staff

How to log in?

Method 1: Click the login link:

https://fluid.zs-hospital.sh.cn/#/doctorlogin

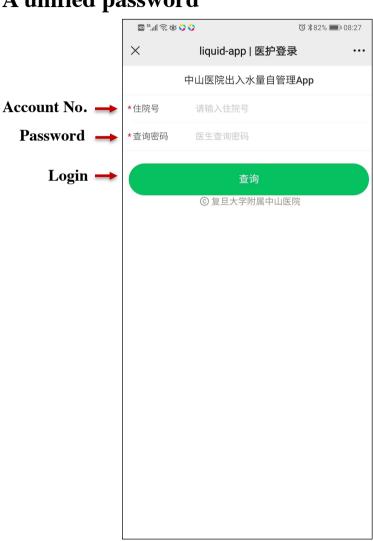
Method 2: Scan the WeChat QR code:



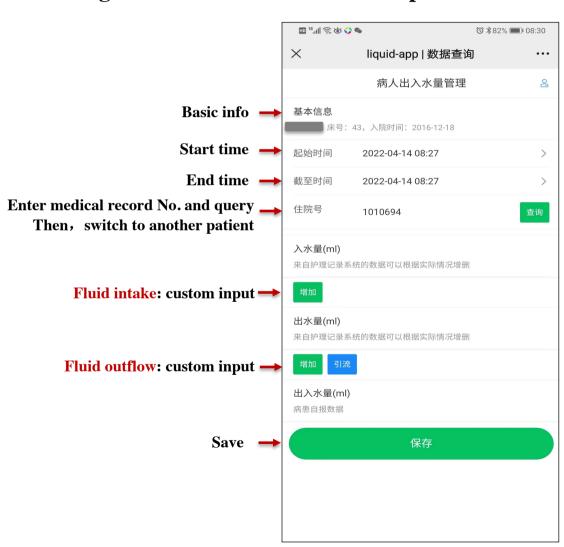
How to log in?

Account No.: Medical record No.

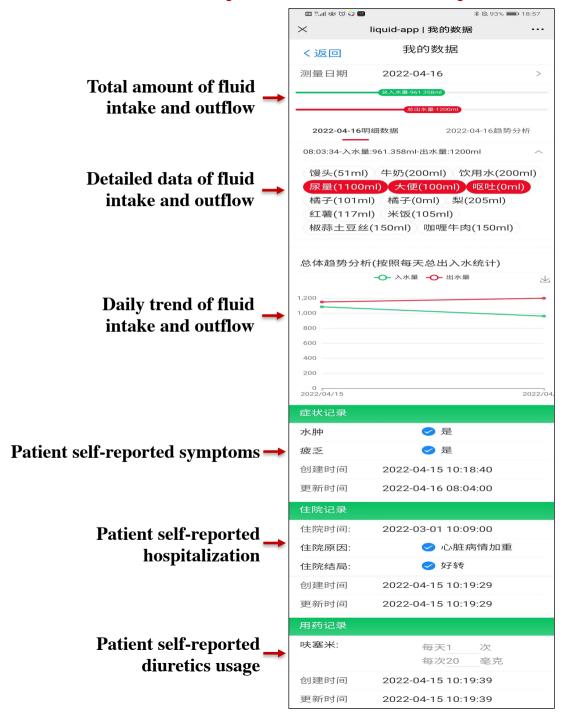
Password: A unified password



Based on the self-reported data by the patients, medical staff can also add and modify the data according to the actual situation of the patient.



Data analysis and summary









Hand in hand to protect your heart!

Shanghai China Zhongshan Hospital, Fudan university