A Mobile Control Platform for H1N1 Disease

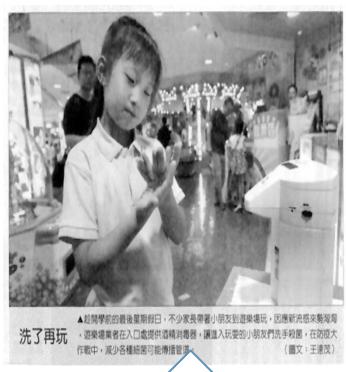


By Shu-Hui (Bonita) Hung National Center for High-performance Computing Taichung, Taiwan 12/03/2009

Beyond Age & Worldwide



A Nurse took a vaccine shot (Maryland, US)



A Taiwanese girl (5)Wash hands carefully before play

Source by: Liberty News, Taiwan 2009/09/12

H1N1 Virus is in a class (Taiwan)!!!



Source by: United Daily News, Taiwan 2009/08/27

H1N1Virus is in a house (Taiwan)!!!

自由時報 生活新聞 A6

「病毒已進入家庭」



Source by: Liberty News, Taiwan 2009/08/31

The Latest Information (Human to Our faithful friends---Dog H1N1)



By 11/30/2009 in China

Our Purpose

- To build up a feasible, scalable and real time epidemic inform, and statistic analysis report platform.
- To provide a virtual blocked way to limit the infection area and reduce the speed of epidemic wide spread, to cut down the medical cost.
- To prevent H1N1 disease spread among group, and to comfort people and victims' panics.

What Solutions Can We Provide?

Problems

Solutions

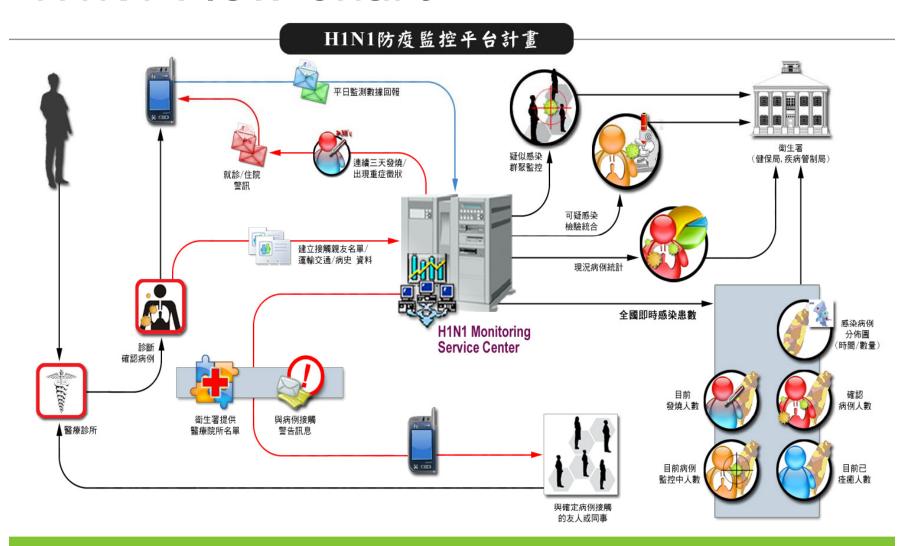
- People panic...
 - Have I got the H1N1 disease?
 - Would I become a sever H1N1 Patient?
- Physician...
 - When is the 48 hours golden cure period time (Tamiflu)?
- School manager...
 - Should the class be canceled?
- Business manager...
 - When should I prepare the team replacement? Reduce the loss...

- Group alert
- Music play

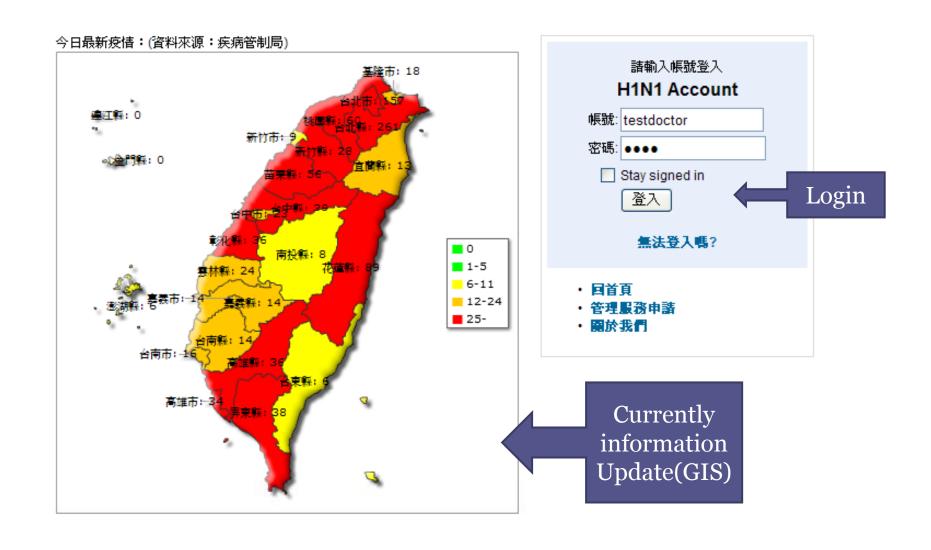
Group alert notice check

- Students condition check
- Employees condition check
- Statistic display

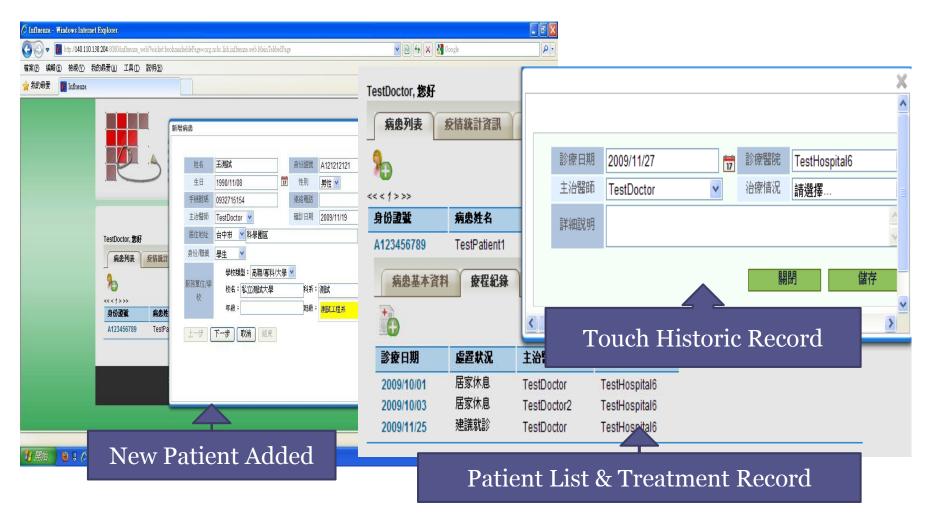
H1N1 Flow Chart



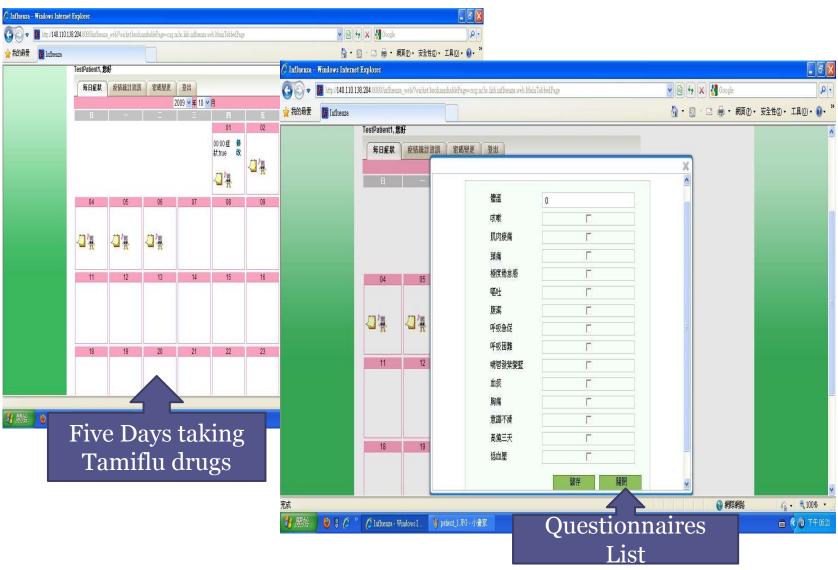
H1N1 disease management platform



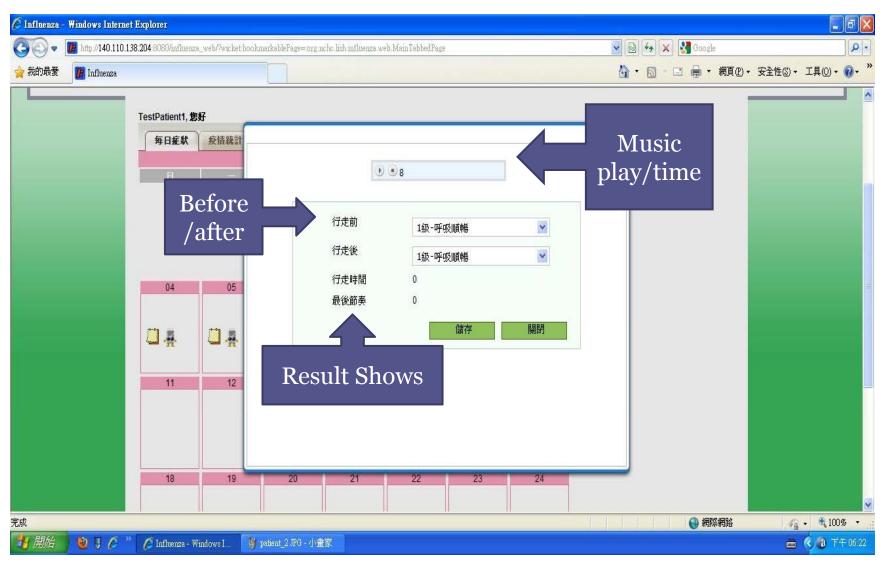
Physician care management (GUI)



Patients Daily Management (GUI)



Patients--Home Exercising Music (GUI II)



Group Alerts/Severe Notice (GUI)

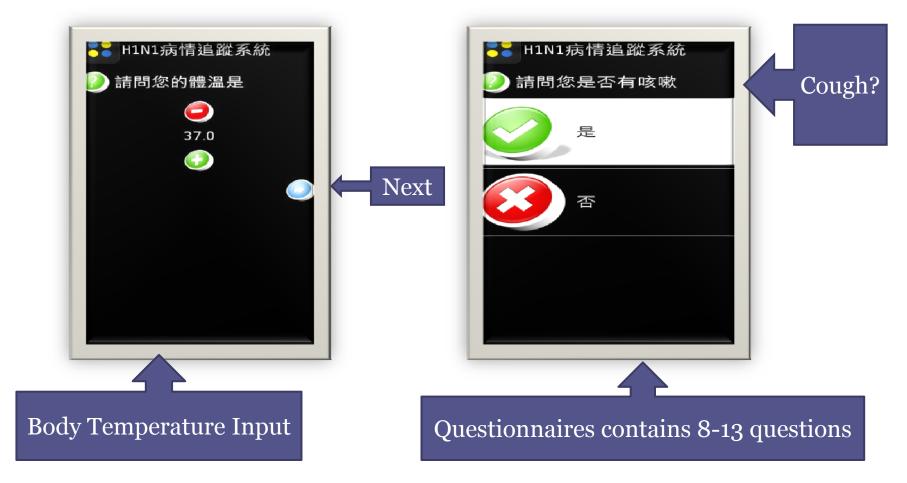






Severe Condition Alert

Patient's Mobile phone Screen(GUI)



School/Business Management



What can we learn from this platform?

- In which generation, that H1N1 virus infection will disappear?
- When the virus will transform into different type virus? (H1N2,H2N3,H3N2,H3N1)
- The worst group in age different? Special group e.g. pregnant mom?
- More epidemic disease research in the future.

~Thank You for Your Attentions~

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