

[Indonesia]

# The Health Database in an Information Society\*1

Ihsan OETAMA<sup>1</sup>


INDONESIA MEDICAL ASSOCIATION



## THE HEALTH DATABASE IN AN INFORMATION SOCIETY

CMAO SYMPOSIUM, MARRIOTT HOTEL MANILA 25 SEPTEMBER 2014

THE INDONESIAN ARCHIPELAGO



13,466 islands, 7,000 islands with inhabitant




- 248 millions population  
NOT EQUALLY DISTRIBUTED
- 33 provinces
- 530 districts/municipalities


Very difference /variate in term of infrastructure:

- Transportation
- Electricity
- Telecommunication
- Mobile phone
- Health facility

CURRENT SITUATION




### Health Information System



2,362 hospitals



- All hospitals have implemented Hospital information System, mostly accounting/ billing system
- Not many have electronic medical record



17,278 Government own health centers

- SIMPUS (a guideline of health center collecting and reporting system),
- Mostly done by manual
- Not many have electronic medical record


CURRENT SITUATION

2,362 hospitals

### The challenges that must be addressed:

- Too many paper based reports
- Fragmentation
- Different data format
- Duplication
- Lack of data consolidation
- Lack of communication and data sharing
- Lack of legal and regulatory issues regarding data sharing and consumer protections




17,278 Government own health centers

\*1 This article is base on a presentation made at the Symposium “Health Database in an Information Society” held at the 29th CMAAO General Assembly and 50th Council Meeting, Manila, the Philippines, on September 24-26, 2014.

<sup>1</sup> International Relations, Indonesian Medical Association, Jakarta, Indonesia (dr.ihsanoetama@idionline.org).


### CURRENT SITUATION



**In progress**

- National Health Data Dictionary
- eHealth road map
- Legal and regulatory about health data
- ITC infrastructures
- Telemedicine

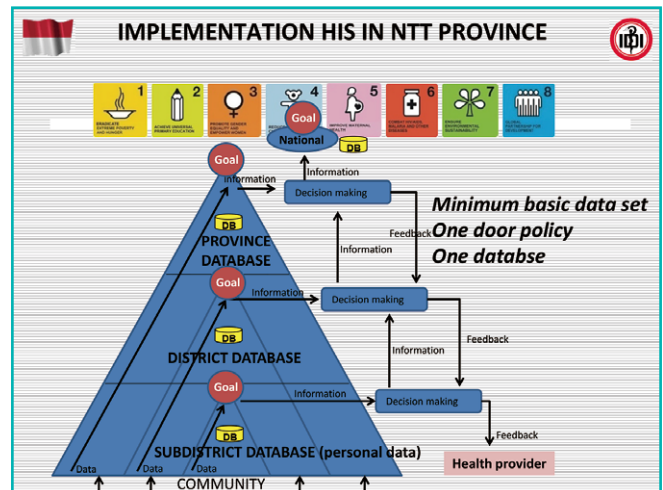
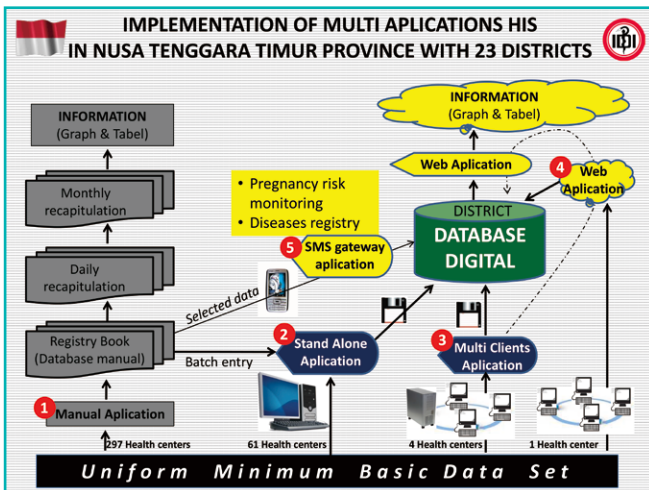
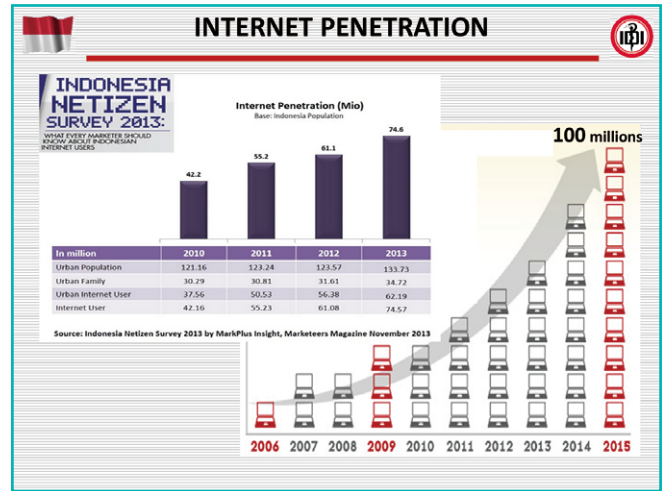
2,362 hospitals




**Database physician**

- Indonesia Medical Association
- Indonesia medical Council

115.000 physicians



### NATIONAL SOCIAL HEALTH INSURANCE




Jaminan Kesehatan Nasional

- Start in 1 January 2014 with target 121.000.000 for the first year and will achieve the whole population by the year 2019. **Recently members have registered are 127 millions**
- Mandatory, Government pay fees of poor families
- National single identity number** is used as unique member identification
- ± 17.000 Point of Care (Health centers, private clinics), payment method by capitation
- ± 1400 hospitals, payment method by INA-CBGs
- All the Point of Care have to install the Primary Care Information System provided by BPJS (National Social Health Insurance), and send reports by online.

### ITC IS CHANGING OUR SOCIETY

*"The phone and smartphone is not just convenience or indulgence, but actually it's a big part of a day-to-day necessity"*



At first there was an instant messaging craze, then came social networking.

Instant messaging has become a multi-faceted platform - where people can chat, play games and buy things - all in one place.

Now there's instant messaging 2.0

**ITC IS CHANGING OUR SOCIETY**

"Indonesia also got worldwide attention for **politics-related discussion on social media**"  
- digitalintheround.com



Indonesians are using social media to make their voices heard

Source: digitalintheround.com, vboard.com (2)

**ITC IS CHANGING OUR SOCIETY**

Politicians are taking social media seriously

During the Gubernurial election in Sept 2012, the now Governor of Jakarta, **Joko 'Jokowi' Widodo's election campaign** used **social media** as a platform - launching flash mobs and a One Direction music video parody, forgoing the traditional "poster and campaign slogan" approach.

Jokowi promotes political transparency, choosing to use Youtube to publicise plans and videos of official meetings - one budget meeting has gained **1.4m+ views**.



Source: IPRA (2013), Crilkey.com.au (2013)

**ITC IS CHANGING OUR SOCIETY**

Social media helps create a sense of community

Social activism on Twitter is not just for politics, everyone's getting involved.

Indonesia Berkebun coordinates volunteers to transform vacant and abandoned land all across Indonesia for planting and gardening.

@IDberkebun



**ITC IS CHANGING OUR SOCIETY**

Social media can even help find a missing child!

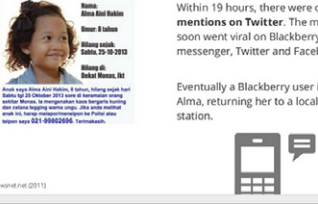
**Anak Hilang**  
Tolong membantu mencarinya.

The father originally posted about his missing daughter on Facebook.

Within 19 hours, there were over **3,400 mentions on Twitter**. The message soon went viral on Blackberry messenger, Twitter and Facebook.

Eventually a Blackberry user identified Alma, returning her to a local police station.

**ITC is also changing health care delivery...**



Source: @sahwahid.fid (2011)

**THANK YOU**

gsoetono@gmail.com / gsoetono@yahoo.co.id

