



# NOUSCO

INVESTOR PRESENTATION

CHANGWOO, BAEK  
CEO

NOUSCO

openEHR

CEN/ISO  
13606

HL7  
INTERNATIONAL

**I will talk about Nousco and current healthcare statues in S.Korea.**

**(There are some quite changes after MERS)**

- 1. Nousco(Company Information)**
- 2. Nousco(OpenEHR)**
- 3. Nousco (Skills)**
- 4. Nousco (HIS)**
- 5. Nousco (PHR)**
- 6. Nousco (Business Area)**
- 7. Facts of Healthcare in Korea (MERS)**
- 8. Impact of MERS in S.Korea**
- 9. Future and policy change in Korean healthcare due to MERS**
- 10. Conclusion**

## Company Information



NOUSCO Co., Ltd. ([www.nousco.com](http://www.nousco.com))

NOUSCO is a healthcare software vendor in South Korea. NOUSCO is developing openEHR-based Health Information System, Health Information(HI) standards-based EHR Platform & PHR solutions. openEHR & HI standards-based EHR platform is the first innovative work in South Korea. In 2015, Nousco is expecting to launch its products internationally.

A screenshot of the NOUSCO website's 'EHR PLATFORM' section. The background shows a doctor in a white coat looking at multiple computer monitors displaying medical data. The text on the page reads: 'EHR PLATFORM', 'EHR platforms provided by NOUSCO can support building medical information systems suitable for to meet international standards adopted by each country given that it supports American and European standards at the same time.' Below this are three columns: 'NOUSCO is...' with a 'Read more' button, 'About us...' with a 'Read more' button, and 'Contact us' with the phone number '82-70-8292-7788' and email 'nousco@gmail.com'.

**EHR PLATFORM**

EHR platforms provided by NOUSCO can support building medical information systems suitable for to meet international standards adopted by each country given that it supports American and European standards at the same time.

**NOUSCO is...**

The word "Nous", which derives from the Greek word NOUS, equates to meaning "Soul", "Mind", and "Intelligence".

[Read more →](#)

**About us...**

Nousco was established to focus its energy and enthusiasm on developing technology under the ideology that technology ...

[Read more →](#)

**Contact us**

82-70-8292-7788

[nousco@gmail.com](mailto:nousco@gmail.com)



## Top healthcare developer in Korea

Nousco is the only company that developing **international EHR standards based Hospital Information System** and interconnected PHR services in Korea.

- HL7 Korea Official Partner
- Industry partner of openEHR Foundation (a initiator of ISO 13606 standard)

Refer to  
 : [http://www.openehr.org/industry\\_partners/nousco](http://www.openehr.org/industry_partners/nousco)  
 and  
<http://www.hl7korea.or.kr>



# Nousco (Skills)

**NOUSCO is attained technology of healthcare ICT that based on international standards.**



## EHR

Electronic Health Record

- International Standards (HL7, ISO/CEN 13606) based
- EHR Platform (based on openEHR & HI Standards)
- Health Information Exchange

## HIS

Hospital Information Sys.

- Hospital Information System incorporating EHR
- Integration of EMR, PACS, LIS, RIS etc..
- Integration of EIS, MIS, PM, PA, EDI

## Mobile HIS

Hospital Information Sys.

- Set up Mobile HIS based on smartphones and tablets.
- Charting and Prescribing via smart devices (smartphones and tablets)

## PHR

Personal Health Record

- Interconnected PHR service
- Support International Standard ISO/IEEE 11073 Device and Non-standard Devices

By OS technology and super computing technology, NOUSCO provides security and BIO Informatics services.



## VDI

Virtual Desktop Infra.

- Low Price/High Performance
- VDI solution for Hospital

## Bioinformatics

- Optimization of GPGPU
- Developing about technology of BIO Informatics.

## Secure OS

- Ensure security of healthcare data
- Mobile Security (*TrustZone*)

## RTOS

- Developed virtual C/C++
- Hypervisor specialized for Security

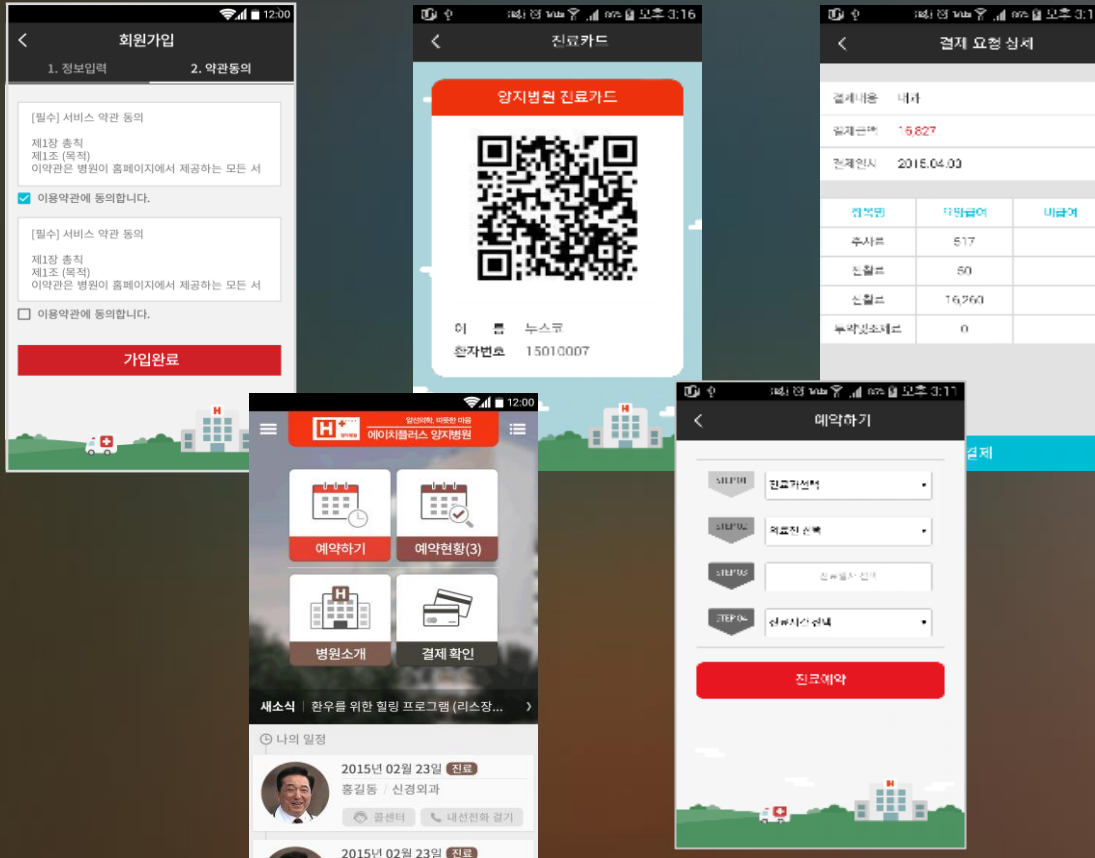
The screenshot displays the Nousco HIS interface, which is based on international standards EHR. The interface is divided into several main sections:

- 환자정보 (Patient Information):** Displays patient details such as name (성명: 원무선), ID (주민번호: 900827-24-1238-1269), and contact information (이메일: nousco@gmail.com).
- 진료과 현황 (Department Status):** A table showing department activity, including patient count (환자번호) and visit time (진료시간).
- 보험정보 (Insurance Information):** Details insurance coverage, including the policy number (보험번호: 0000000000) and the insurer (보험자: 삼성생명).
- 환자 외래진수 및 예약 현황 (Patient Outpatient and Appointment Status):** A table listing appointments with columns for date (조회기간), department (구분), patient ID (접수일자), insurance type (I/O), and status (예약상태).
- 수납관리 (Billing Management):** A detailed view of billing items, including a table with columns for patient ID (환자번호), department (과목코드), procedure code (수기코드), and amount (금액).
- 환자정보 변경 (Patient Information Change):** A form for updating patient details, including name, ID, and contact information.
- 환자정보 (Patient Information):** A form for entering patient details, including name, ID, and contact information.
- 환자정보 (Patient Information):** A form for entering patient details, including name, ID, and contact information.

# Nousco (PHR)

## PHR(Personal Health Record)

Customer management services for admission clients that are linked with EHR



- Appointment
- Treatment schedule
- Dosage checkups
- Treatment card
- Payment
- Electronic prescription
- Medical history chart
- Personal chart viewer
- Radiology image viewer
- Hospital introduction
- Hospital information
- Medical consultation
- Device integration
- Others

## Nousco (Business Area)

Nousco is an exceptional company that provide health care information and secure OS both side. Nousco is the only Korean company that adopted international standard EHR on HIS and trying to make a health management services to connect between hospital and patients.



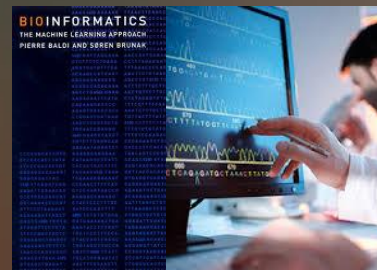
- Business of healthcare platform
  - EHR that based on international standards
  - HIS that based on EHR



- Business of healthcare services
  - Service of diabetes management
  - Service of Asthma management



- Business of secure OS
  - secure OS for Samsung electric mobile
  - privacy of health data



- Business of national research and development
  - Build MPI and OID
  - EHR development for primary care



# What is going on in Korean healthcare in these days?

Citation: <http://www.koreaherald.com/view.php?ud=20150730000186>

## Healthcare in Korea (MERS) Fact

MERS is a viral respiratory syndrome that was first reported in Saudi Arabia in 2012.

The disease has since affected over 1,300 people throughout the world, but most of the cases have been linked to Saudi Arabia and other Middle Eastern countries.

South Korea has the second-largest number of MERS cases in the world after Saudi Arabia, which has reported over 1,000 cases since 2012.

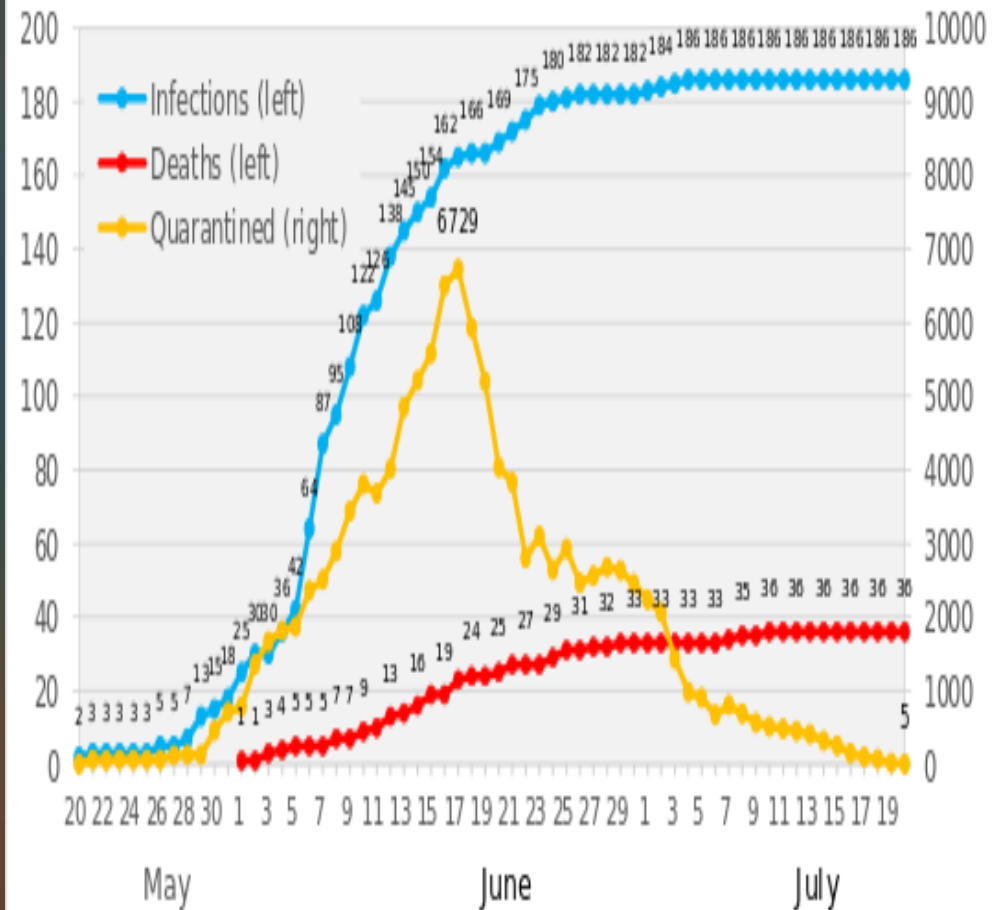
The fatality rate of the disease in South Korea remains at 19.4 percent, while the rate for the rest of the world is around 40 percent.

The country's death toll from the disease also remained unchanged at 36 for the 19th consecutive day, according to the Ministry of Health and Welfare.

Out of the 186 diagnosed so far, 138 have been discharged following complete recoveries.

**nousco**

## 2015 MERS in South Korea



Citation: <http://www.koreaherald.com/view.php?ud=20150730000186>

## MERS newspaper (Impact)

Loss of travelers: **Korea's monthly travel deficit in July soared to a 7-year high**, as the Middle East respiratory syndrome outbreak held back foreign travelers from visiting the country.

**Park's cancelation of her much-anticipated U.S. trip.**

**The Korean government has closed more than 2,000 schools.**

A new Korean Secretary of the Ministry of Health and Welfare:

Chung Chin-youb, a professor at Seoul National University hospital in Bundang, won the approval of the parliamentary health and welfare committee, one day after he underwent a confirmation hearing.

Chung replace Moon Hyung-pyo to lead the Ministry of Health and Welfare, which has come under fire for its **poor response to the outbreak of the MERS virus.**



## MERS Newspaper (Future)

**All general hospitals with 300 or more patient beds in South Korea will be required to establish negative air pressure rooms to prevent cross-contamination,** Seoul announced on Sep.1<sup>st</sup> as part of its post-Middle East respiratory syndrome(MERS) plan to better deal with contagious diseases.

The Ministry of Health and Welfare also announced that the head of Korea Center for Disease Control and Prevention will be appointed as the ministry's joint vice minister to strengthen public health sector, and **establish an emergency operations center that runs 24-hours a day to readily detect any possible epidemic.**



## Conclusion

One epidemic could cost a lot for a country.

After MERS, the Ministry of Health and Welfare is working with Nousco to provide innovative system in healthcare.

Feel free to talk to me after the session.

Thank you.

**nousco**





# Contact us

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