Development of center of excellence in occupational medicine service, Rayong hospital.
The industrial development had begun in Rayong province since 1983. Currently the 8,047 enterprises are operating.
petrochemicals, chemicals industries.

Metals industries.

automotive industries.
• Affecting to the health status of workers such as accidents and occupational and environmental diseases tended to be increased.
Method

• The service system was analyzed by Ishikawa Diagram
• Global Value Chain Approach.
VALUES

Access, Coverage, Quality and Safety in Occupational Medicine Service, Rayong Hospital

1. Poor accessibility to services of the workers
2. Poor clinical service coordination with Occmed Service, Lack of Occmed staff.
3. Insufficient network and policy support.

PROBLEMS

Intervention1
Occ. Preventive Medicine Service

Intervention2
Occ. Clinical Service.

Intervention3
“TRI” Model

INTERVENTION

Conceptual framework of Excellence Center of Occupational Medicine Service
Value Designing, interventions & Implementation

Secondary Data
- enact framework for business strategy (2011-2012)
- Guidelines of the National Center for Occupational Health
- Guidelines of the Ministry of Labor
- ILO, WHO, and OECD
- Guidelines of the National Center for Occupational Health

Primary Data
- Personnel data
- Organizational data
- Financial data
- Customer data
- SWOT analysis

Problems Analysis:
- Process
- Human
- System

Intervention: Planning & Design
- Tools
  - 7S's
  - PESTEL
  - Ishikawa
  - Value Chain analysis

1. Preventive Medicine Service
2. Clinical Service
3. TRI-Concept
   - Excellence center of Occupational Medicine Service Trainer,
   - Researcher, International network
Reach the Vision Together

TRI Model
Occmed. residents CU-RYH/ short course of OHS collaborate with CMU/ research fund/International network

Health risk assessment/ data management for Thai Check up program, Health promotion and protection.

specialized clinics collaboration/ return to work / in house training . Online training for 2 months short courses of occupational medicine

Academic

Clinical Service

Preventive Medicine
Center of excellence in occupational medicine service, Rayong hospital.

Director of RYH

Preventive Medicine

Clinical Service

Academic

Health monitoring
- Mobile Checkup
- Thai checkup Program
- Data for information

Occupational Medicine service
- Health Promotion & Rehabilitation
- Prevention & Control Occ Disease
- Occ Medicine Clinic
- Env Medicine Service
- SHE

Clinical Service
- Diagnosis of Occ Disease
- RTW
- Fit for work

Training Center
- Occupational Med Resident training
- Occupational Health Nurse
- Refresh cause of Envocc

Researcher
- Research Fun setting
- Research, R2R, Innovation

International Networking
- Experience sharing
- Training
- Research
• Center of excellence in occupational medicine service was conducted between 2014 - 2016
Result

occupational medicine service certified in 2016

"excellent level"

Percentage of Mobile checkup

2014: 11.81%
2015: 13.03%
2016: 18.35%
Percentage of diagnosis by specialist and RTW

<table>
<thead>
<tr>
<th>Year</th>
<th>Specialist</th>
<th>RTW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>4.45</td>
<td>87.38</td>
</tr>
<tr>
<td>2015</td>
<td>4.59</td>
<td>91.3</td>
</tr>
<tr>
<td>2016</td>
<td>7.38</td>
<td>98.08</td>
</tr>
</tbody>
</table>

diagnostic by specialist | RTW
“TRI” Model

- China; Experience sharing,
- Korea; Resident training course
- USA; Co-Research

- Resident training 4 persons/year
- Short courses training of OHN 30 nurses/year
- Refreshing courses of OHN 3 courses

- Research funding
- OM research 2, 4 and 5 papers/year
We are ready to provide better care
External Cleansing Area

Internal Cleansing Room
Negative pressure Room
Separate & Special Entrance
Conclusion

• Excellence center of occupational medicine service in tertiary care should be included dimensions,

• Enhancing accessibility to services and potency to establish occupational medicine resident training and occupational health nurses training.
Discussion and recommendation

• Excellence center of occupational medicine service in tertiary care hospital can be the role model of service plan in occupational medicine in the health region.

• Training center help producing occupational medicine physicians and occupational health nurses of Thailand.
Acknowledge

- Chulalongkorn University.
- Rayong Provincial Health Office.
- Management Committees, RYH.
- Research Funding Committees, RYH.
- Medical Staff Organization, RYH.
- Nurses Service Organization, RYH.
- All of Our staffs
Alone We Can Do So Little
Together We Can Do So Much

Helen Keller
Thank you for your attention