

ONLINE RISK ASSESSMENT USING HAND GRIP AND PINCH STRENGTH MEASUREMENT

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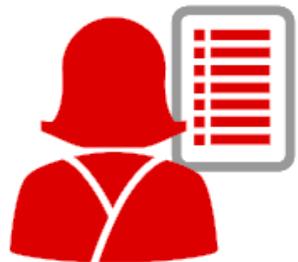
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Electronic Health Record

“Electronic Health Record is a real-time, patient-centered records that make information available instantly and securely to authorized users.”

ALMOST
50%
OF PATIENTS

take EMR access into consideration when choosing a healthcare provider



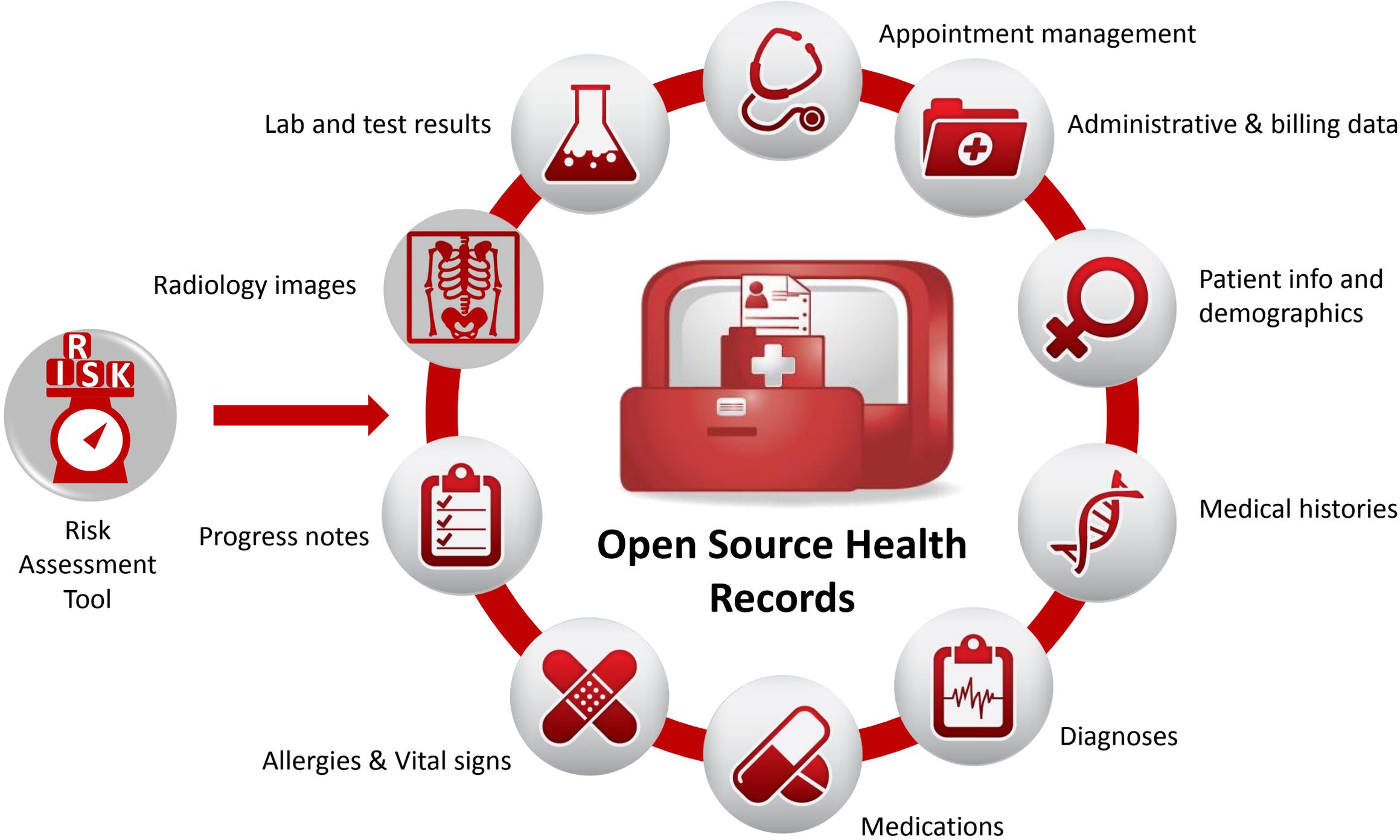
82%



Patients using EMRs who believe they receive better quality of care

EHR around the world





Free Online Health Risk Assessment Tool



Putting patients at the centre
of good nutritional care

GET CHECKED NOW!

Take the **Heart Health**
Risk Assessment

GET CHECKED NOW!

Take the **Stroke** Risk Assessment

GET CHECKED NOW!

Take the **Peripheral Artery Disease**
Risk Assessment

Breast Cancer

Colon Cancer

Heart Disease

Lung Disease

Prostate Cancer

Sleep Disorders

Osteoporosis

Vascular Disease

Diabetes

Stroke

Breast Cancer Risk Profiler



Stroke Risk Profiler



Colorectal Cancer Risk Profiler



Heart Health Profiler



Asthma Symptoms Profiler for Children



Risk Assessment Tool - Hand grip strength measurement



Muscle fatigue / inflammation

Infection, Influenza, Glandular fever, HIV, Lyme disease, Hepatitis C, Tuberculosis, Malaria, Polio, Dengue fever

Muscle tiredness

Chronic Fatigue Syndrome, Sleep disorders, Depression, Chronic heart, lung, and kidney disease, Anxiety, Anaemia, Malnutrition, **hypothyroidism**, **Electrolyte disorders**, **Cancers**

Muscle wasting

Advanced cases of chronic lung disease, Untreated hypothyroidism, Overusage of steroids, Untreated neurological conditions

Muscle weakness

Ageing, Peripheral arterial disease, Diabetes, Heart disease, Rheumatoid arthritis, Systemic lupus, **Polymyalgia rheumatic**, **Polymyositis**, **Dermatomyositis**, **Advanced cancer**, **Stroke**, **Tumors**, **Multiple sclerosis**, **Guillain-barre syndrome**, **Parkinson's disease**, **Muscular dystrophies***, **Charcot-Marie-Tooth syndrome***, **Amyloidosis***,

Project Approach

Planning Stage



Collaboration with health provider's centre within Japan and ASEAN countries

Execution Stage



Data collection

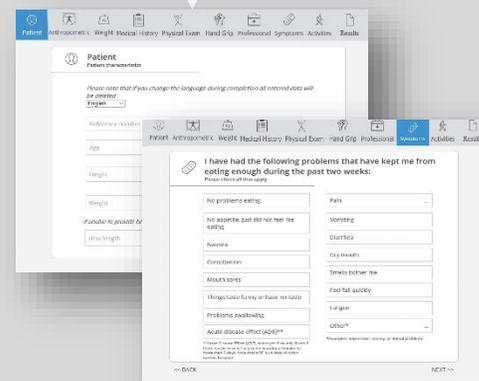


Data analysis

Implementation Stage



Risk Assessment Modelling



Interface display

Deployment Stage



Integration with open source EHR system

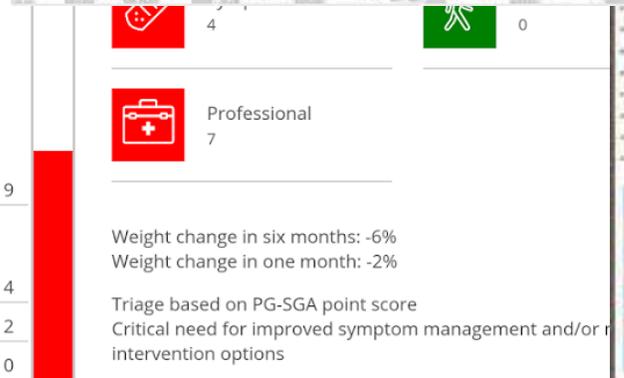


Device compatibility

E
N
D

U
S
E
R

Example of Health Risk Assessment - Report



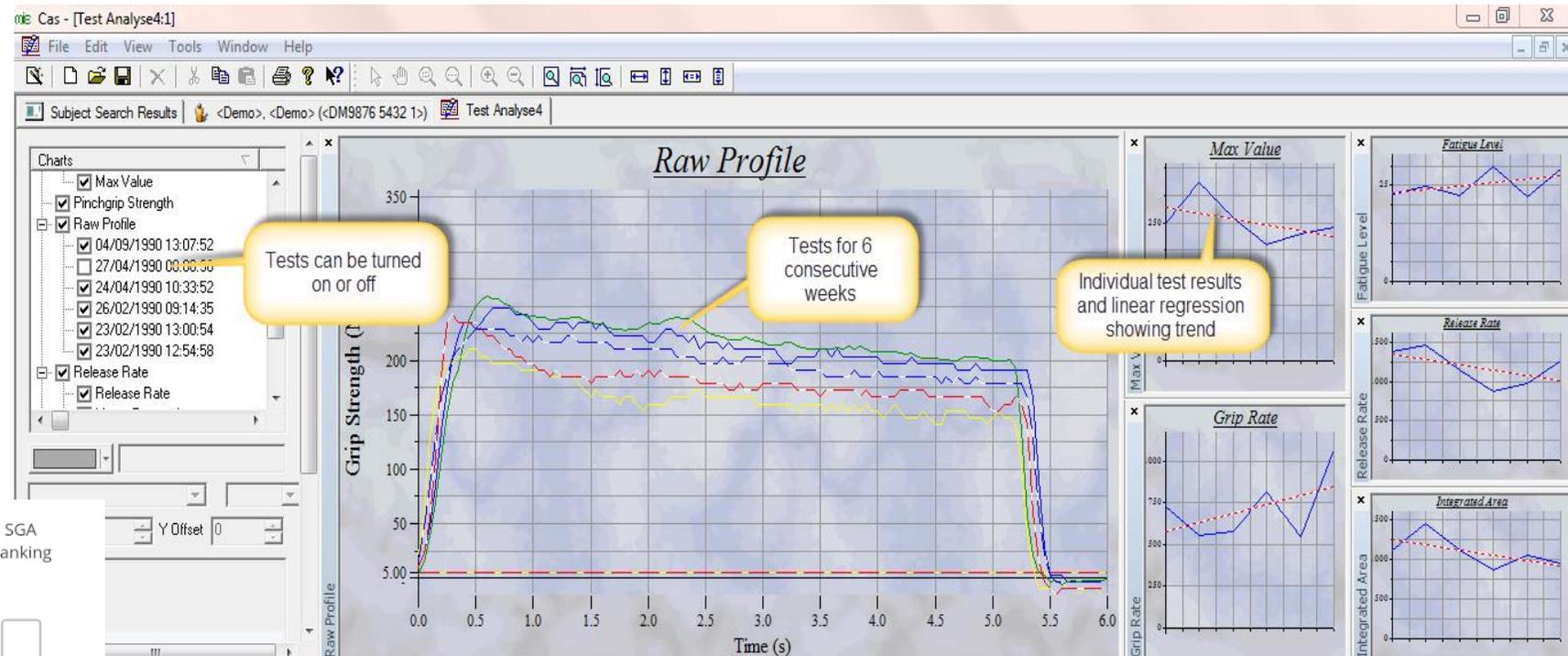
Weight change in six months: -6%
Weight change in one month: -2%

Triage based on PG-SGA point score
Critical need for improved symptom management and/or intervention options

Send report



SGA-B
Moderately (or suspected of being) malnourished



Completeness :

0%

Your Risk at Current Age :

6.8947%

Your Risk in 5 years time :

6.9%

Your Risk in 10 years time :

7.6%

Age at 99.9% Risk :

This feature is restricted for specialist only

Average Risk of people at same age :

This feature is restricted for specialist only

Call for Collaboration

Ongoing Project

- Measurement Of Hand Grip And Pinch Strength In Diagnosing Multiple Chronic Diseases In Malaysian Population

Collaboration

- National Health Institute, Malaysia
- Cheras Rehabilitation Hospital, Malaysia

Potential Collaboration

- Data collection – Data collection of patients from all ASEAN countries are required
- Open Source System – Japan / Singapore / Vietnam
- Digital Hand Grip Analyzer – Home and hospital used