

EIR Platform Storyline:

Name: Mr John Chen

Age: 62

Date of Birth: 29/02/1954

Occupation: Newly Retried Banker, banker for 40 years

Drug Allergies: Penicillin, G6PD

Family: Wife (Home maker), Son (30, IT professional), Daughter (28, nurse)

Past Medical History:

Dyslipidemia on atorvastatin 10 mg nightly

Main focus in 2016, to train and run the London Marathon:

<https://www.virginmoneylondonmarathon.com/en-gb/>

Event/Storyline:	EIR:
<p>1. Checking whether he is physically fit enough for the marathon and a full medical examination.</p>	<p>Mr Chen uses the EIR Eldercare portal to check the requirements and book the medical appointments required. (Annex A)</p>
<p>2. He visits his primary care physician (family doctor) and consulted on his plan. Family doctor makes him an appointment to see the sports medical specialist for further workup.</p>	<p>Family doctor uses EIR electronic medical records to generate the referral letter and e mail for an appointment for the sport specialist clinic. The EMR also includes all the remote monitoring data which Mr Chen has been monitoring his health at home. (Annex B)</p>
<p>3. Mr Chen visits Sports specialist, before doing so, filled up a online PAR-Q form sent by the Sport clinic. The Sport physician look at all the past medical report and refer Mr Chen for a treadmill test and cardioechogram.</p>	<p>Sports physician can access to Mr Chen's health records via EIR Personal Health records to see his latest lipid results, remote monitoring data to do the assessment: Toolkit online (Specialised Module in EIR Electronic Medical Records). Mr Chen is then referred to Cardiology center for his Treadmill and Echocardiogram via referral system in EIR Electronic Medical records</p>
<p>4. Mr Chen visits the hospital cardiology department and proceeded with both tests. Results were normal and Mr Chen was sent back to see the sports physician</p>	<p>Hospital cardiology department uses EIR Hospital electronic record system to store the reports and send the report to the referring sports physician.</p>
<p>5. Mr Chen sees the sports physician, who prescribed exercises to build up his cardiovascular fitness and referred him to the certified trainer.</p>	<p>Sports physician has the report all included in Mr Chen's personal health records and can help MR Chen to plan an exercise regime and chart the progress.</p>
<p>6. After 6 months, Mr Chen is able to complete the 42 km and brought a ticket to London to join the marathon.</p>	<p>During the training period, Mr Chen's vitals signs are still being tracked by the sport physician using remote monitoring of all his vital signs via EIR enabled wireless wearable devices. Both his daughter and the monitoring service are involved.</p>

Mr John Chen arrives in London for the marathon 1 week earlier to acclimatizes and understand the route to be taken. He continues to do self monitoring daily via his wireless devices through his mobile gateway which is WIFI enabled.

<p>Mr Chen felt chest tightness on the 5th day of the trip, just 2 days before the marathon.</p>	<p>Abnormal rhythm of the heart detected by the EIR remote wearable monitors and daughter called to check Mr Chen's condition. After talking to the family doctor who is able to look at the vitals data in Taiwan, Mr Chen is advised to go to the hospital immediately!</p>
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<p>7. At the London hospital, the emergency department doctors compared Mr John Chen's baseline ECG from Taiwan and the current report, an acute inferior myocardial infraction is diagnosed and Mr Chen immediately went into an emergency angiogram and angioplasty.</p>	<p>EIR Personal Medical Records with all the crucial medical data can be access in London via a webpage or Mr John Chen's phone APP. The Emergency physician can retrieve the information very quickly and make accurate diagnosis.</p>
<p>8. Surgery was a success and repeated echo cardiogram did not show any permanent damage to the myocardium. Mr Chen was discharged 5th Post op day with dual antiplatelet therapy.</p>	<p>All the procedures and investigation results are uploaded into Mr Chen's EIR Personal Health Records and his Taiwanese doctors will be able to know exactly what has been done and do the required follow up seamlessly. The family doctor was also updated by the cardiologist in England via the EIR tele consultations platform.</p>
<p>9. Mr Chen returns back to Taiwan and has the appointment made to see the cardiologist in the hospital.</p>	<p>Referral has been made via the electronic medical records of the family doctor with all the medical records in the personal health records.</p>
<p>10. After one year of follow up in hospital, Mr Chen is deem well and reduced to one antiplatelet therapy. He is referred back to his family doctor for long term follow up.</p>	<p>Hospital referred Mr Chen back to his usual family doctor for long term follow, with all the instructions in the same follow up notes via EIR Electronic Medical records. All the investigations and monitoring done in hospital and at home can be seen in this sheared platform</p>

With EIR platform, important health records can be seamlessly shared among doctors and other healthcare workers worldwide. With remote monitoring, health status can be constantly being monitored and issues detected earlier to reduce morbidity and mortality.

Draft by:

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