

#### 病歷電子化但沒有資訊化



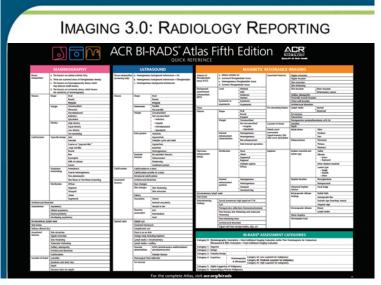
#### Structured Data

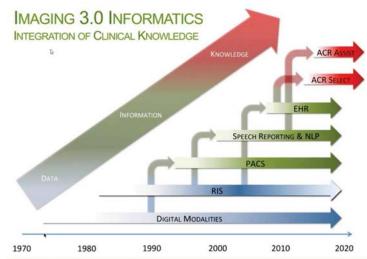


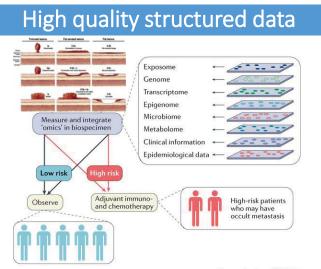
Preston Hickey, a pioneer in the use of standard language in radiology reports. (Reproduced with permission from the Clendening Library Portrait Collection, University of Kansas.)



A standard form used by Dr. Harold Pierce to record radiology findings for images showing fractures.<sup>5</sup>







#### Nature Reviews | Cancer

#### A.I. for Democratized Medicine



Decrease microscopy

diagnostic score.

examination time by 10X.

Achieve accurate, standardized

Make expert pathology service available to the world.

Impacts



# R&D Case Story : A.I. for Disease Screening Participant Case Story and Install





FHIR

# Linking Questionnaire to QuestionnaireResponse

Questionnaire	QuestionnaireResponse
<li>kId value="G1"/&gt;</li>	<item> <linkid value="61"></linkid></item>
<text value="Test dustions"></text> <type value="group"></type>	<text value="Test questions"></text> <item></item>
<repeats value="true"></repeats> <item> <li>linkId value="01"/*</li></item>	<li><li>linkId value="Q1"/&gt; <text value="What is your name?"></text> <answer></answer></li></li>
<text value="What is your name?"></text> <type value="string"></type>	<pre>&lt; <valuestring value="Sir Lancelot of Camelot"></valuestring> </pre>
 <item></item>	
<pre><linkid value="Q2"></linkid> <text value="What is your quest?"></text> <type value="string"></type></pre>	 <item> <item></item></item>
	<text value="Test questions"></text> <item></item>
<linkid value="Q3"></linkid> <text value="What is your favorite colour?"></text> <type value="string"></type>	<answer></answer>
 	<pre><valuestring value="Sir Robin of Camelot"></valuestring> </pre>
15	

#### 長庚特色的結構化病歷

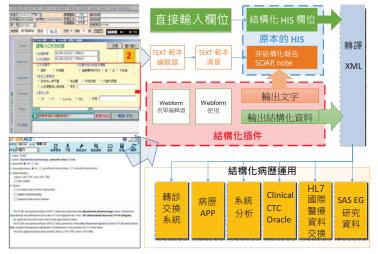
- 相容性:
  - 1. 需相容於現在的HIS資料輸入,以利簽章電子病歷製作。
  - 2. 需不改變醫師使用目前HIS習慣,以利跨院區推行。
  - 3. 相容於未來延展性,以利導入先進介面工具。
- 結構化:
  - 1. 須能客製化結構報告範本,供不同階級醫師學員使用。
  - 2. 須能自動擷取報告內的欄位,進入結構化資料庫再利用,
  - 3. 須能管理欄位位階,讓不同階層單位整合利用

給團隊一個工具去收集醫療資訊 以促進研究,增進病安,提升效率

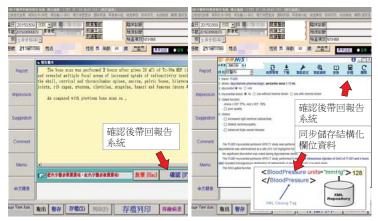
#### 結構化病歷

# REAL WORLD APPLICATION

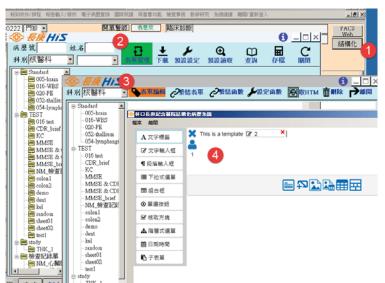
#### 2. 結構化病歷規劃



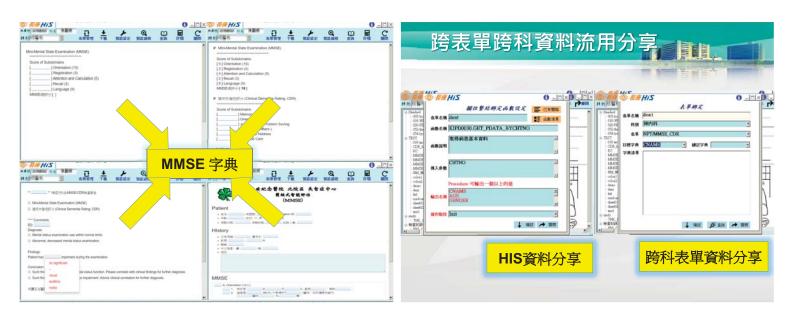
### 原有報告使用











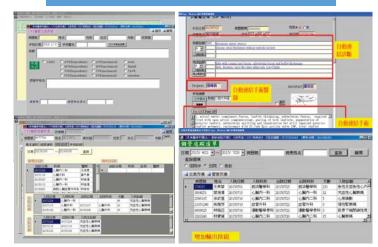
# 結構化表單使用情境







### 結構化資料轉個案管理







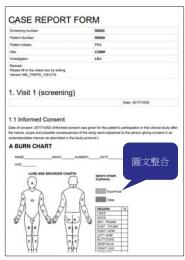
## 結構化資料轉研究表單



#### 填寫模式



#### 檢閱模式 (編修歷程顯示)



#### 完整病歷製作 (含檔頭表尾)

