































SNOMED International: Delivering SNOMED CT

## ...Right Data?



## Making health records electronic

- A significant step forward
- Improves communication
- Increases availability of relevant information

## ... but this is only a partial solution... ...the real challenge is ...

## Making health records meaningful

- Identifying significant facts in oceans of data
- Enabling effective meaning-based retrieval
- Linking the EHR to authoritative clinical knowledge













































Search Term	Concepts Incorrectly Selected as ER Diagnoses	Coun
Temperature	246508008  Temperature (attribute)	1097
High temperature	285717004  High temperature (physical force)	145
Drug used	246488008  Drug used (attribute)	17
Alcohol (substance)	53041004  Alcohol (substance)  (and similar errors)	747
Lymph node	59441001  Structure of lymph node (body structure)	33
Stabbing	410706007  Stabbing sensation quality (qualifier value)	230











































Patie	Patient Data Analytics				
	<< 254837009  Malignant tumor of breast				
	Patient_Id	Diagnosis	Diagnosis term		
	001	145501000119108	Metastatic malignant neoplasm of breast		
	002	72223000	Cyst of kidney		VED 0
	003	254840009	Inflammatory carcinoma of breast		SNON
Electronic	004	64226004	Colitis		Ling
data (F	005	1197732001	Colorectal Crohn disease		elive
(,	006	278050001	Sarcoma of breast		al: D
	007	1197732001	Colorectal Crohn disease		ttion
	008	254837009	Malignant tumor of breast		terna
	009	405944004	Asthmatic bronchitis		DInt
	010	46635009	Type 1 diabetes mellitus		IOME
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Patient Data Analytics					SNOMED International
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				145501000119108	
	Patient_Id	Diagnosis	Diagnosis term	354591000119108	
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	002	72223000	Cyst of kidney	286896005	ED C
	003	254840009	Inflammatory carcinoma of breast	278050001	WON
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data	005	1197732001	Colorectal Crohn disease	403458008	liver
(6	006	278050001	Sarcoma of breast	373082000	I: De
	007	1197732001	Colorectal Crohn disease	373081007	tiona
	008	254837009	Malignant tumor of breast	254837009	ernat
	009	405944004	Asthmatic bronchitis	254841008	D Int
	010	46635009	Type 1 diabetes mellitus	188159008	OMEI
63				188159008	SNG

Patient Data Analytics					
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	003	254840009	Inflammatory carcinoma of breast	278050001	WON
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	007	1197732001	Colorectal Crohn disease	373081007	liona
	008	254837009	Malignant tumor of breast	254837009	ernat
	009	405944004	Asthmatic bronchitis	254841008	0 Inte
	010	46635009	Type 1 diabetes mellitus	188159008	OMEL
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	001	145501000119108	Metastatic malignant neoplasm of breast	448435005	
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	002	72223000	Cyst of kidney	286896005	VED
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