## **Examples of EMERSE in Action**

Red 6 Call ball										
Patients demo list (14 Patients) Dates All					User: hanai	emerse +	1 2 1 <b>2</b> 4 1			
Terms tobacco alcohol radiation asbestos sunburn							E E A Es			
Search										
View/Edit Sharing Versions Delete							The Bund	lles, or saved sea	arch, screen is where	
							users car that can	n build a list of te	rms in a saved searc	
U Click on bundle name/description to edit Name: Cancer risk factors Upload Search Terms						users. It allows for customized color-coding.				
A list of various risk factors for cancer Description:							This imag	ge shows a large	set of related	
							concepts	and synonyms b	eing suggested to th	
antw aceut upunits Search Terms to include Search Terms to exclude							additiona	l terms can help	expand the scope of	
Please enter search terms to include one at a time			O Please e	nter search terms	to exclude one a	at a time	the searc	h to ensure that	all of the appropriate	
Term: Add	ierni: Add						concepts	are highlighted.		
Click on the term to edit     tobacco		Click on the term to edit					도장 도가 건값			
Synonyms	Citick individual terms to highlight or de-highlight 🗶						DOC RI			
Synonyms	ol use occasional	ise occasional ormker cocktalls omnks rum crunkenness liquor								
alcohol Synonyms douben been alcohol ddis other an alcohol alcohol shot drinks socially drunk whisty inebiation volka						rodka cocktail	A64			
asbestos Synonyms	alcoholic ETOH drink beavy drinke	r hung over Pal	cohol booze	powdered alcohol	nebriated alco	holic beverage drinker	6 0			
sunburn Synonyms	shots wine intoxicated whiskey						2-21			
Drag and drop search terms to obtain desired sort order.	Add Highlighted Terms					ED 6				
		Patients de	amo list (14 Patie	ante)			-		User: hanauer EMER	
		Dates Al	1							
		Terms	obacco alcoho	radiation asbe	stos					
		Search								
		MRN	Pat	ient Name		Careweb	Radiology	Pathology		
The Mosaic view of EMERSE features each patient (rows) and document sources (columns) with colors shown in each cell representing the terms that were found in the patient notes. For example, for the top patient, four concepts were found in the pathology data source: tobacco, alcohol, asbestos, and radiation. Note: Patient				Lucchessi, Vincenzo Haas, Christine						
		1000000	135 Luc				-			
		10000000	001 Has							
				Scoutten, Marilyn						
		1000000	36 500							
				Chen, John						
		1000000	040 Che				•			
58.8 L 5 3 8 F 7 8 0 F L	sale lictitious.								-	
		10000000	044 Tay	lor, Jonathon		- <b>-</b>				
		1000000	002 Her	nminger, Diane					_	
						_				
<u>18463467</u>	XFKF	1000000	047 Pat	el, Joshua			.] 📕			
Patients demo list (14 Patients) Dates All									_	
Terms tobacco alcohol radiation asbestos sunburn		1000000	148 Fay	Fay, Pat						
Search + Overview 14 <4	Bloom, Harrison 1000000049								_	
Patient 9 of 14		1000000	049 Blo	Bloom, Harrison						
Caleweb Radiology Pathology			_						00.76.5	
Summary	¢	Report Date	Case Date	Doctor Num	t ¢ Read ¢		A SHE U			
		10/01/2011	09/30/201	1 474524	N		The Cum	marias view of El	MEDGE is reached by	
(all grown); denies tobacco/alcohol/illicit drug use		10/01/2011	09/30/201	1 482694	Y		clicking	on one of the cells	s seen in the Mosaic	
		10/01/2011	09/30/201	476659	N		view. Ead	h row represent	s a clinical documen	
She denies smoking, alcohol, or drug abuse history		10/01/2011	09/30/201	1 480046	N		from a sp	ecific patient and	d a specific documen	
The patient denies any alcohol or illicit drug use. Per		10/01/2011	09/30/201	1 476298	N		source. u	oncepts that are nown in brief snir	round are nightight-	
significant PMhx except for tobacco use and Rt humerus fx significant PMhx except for tobacco use and Rt humerus fx		10/01/2011	09/30/201	1 475950	N		can be re	viewed. This hel	ps users quickly sca	
denies any history of tobacco, alcohol, or intravenous drug		10/01/2011	09/30/201	0/2011 473265 N			the results to find the document(s) of interest.			
She was treated with radiation therapy and concurrent treated with resection, radiation therapy and concurrent anv history of smokinaTorabid.or IV drug usePMYSICAL		10/01/2011	09/30/201	1 479420	N		Clicking on a row takes the user to the note			
		10/01/2011	09/30/201	0/2011 475500 Y			itseti, wi			
treated with postoperative radiation or chemotherapy. In		10/01/2011	09/30/201	0/2011 473136 N			O FULL O			
wife is not aware of any asbestos or silica exposure. He		10/01/2011	09/30/201	0/2011 480980 N			E-YEF2			
denies any smoking or alcoho history. PHYSICAL EXAMINATION:		10/01/2011	09/30/201	1 471924	N		miner			
Ford, 25 pack year h/o tobacco use - quit when diagnosed		10/01/2011	09/30/201	1 471833	N		DUCB			
		10/01/2011	09/30/201	1 472821	N		AGAM			
		10/01/2011	09/30/201	478445	N					
		10/01/2011	09/30/201	4/1821	N					

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- PHOTOS COURTESY OF DAVID HANAUER, MD, MS, OF THE UNIVERSITY OF MICHIGAN HEALTH SYSTEM