



ORACLE®

The Evolution Of Coding Technology - Demo

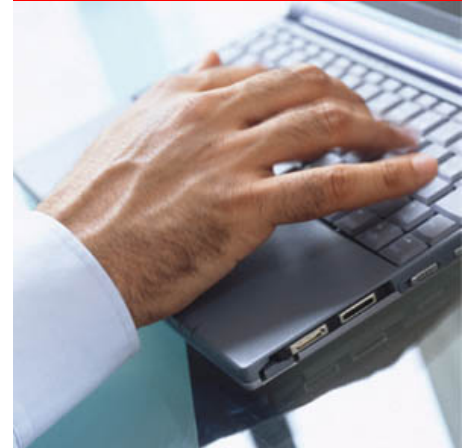
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HEALTH SCIENCES

Agenda

Oracle Central Coding

- Coding as data is collected
- Coding workflows
- Managing Coding
- Up-versioning
- Questions



Coding as data is collected

- Lets explore.....
 - Collecting Adverse events online
 - Coding as soon as data is collected
 - Dealing with Coding failures

Coding as data is collected

PFSTCardio - Case Report Forms - 100-007/M-K

Subject: 100-007M-K

Enroll Subjects Queries Signatures Documents Admin

Visit: Adverse Events [1 of 2]

Forms: AE CM

1. AE Number 1

2. Adverse Event Fluid on the brain

3. Is the Adverse Event serious?

Yes, specify serious event type

Is the AE associated with a congenital anomaly or birth defect?

Yes No

Did the AE result in persistent or significant disability or incapacity?

Yes No

Did the AE result in Death?

Yes No

Did the AE result in Initial or prolonged hospitalization for this subject?

Yes No

Is the AE Life Threatening?

Yes No

Is the AE associated with other serious or important medical events?

Yes No

4. Start Date/Time

Concomitant Medications

Associations With AE/CM : Concomitant Medications

No 'Concomitant M

Central Coding™ Welcome, Rich Davies

Coding Requests Approvals Queries Reports Coding Setup Admin

Coding Requests

Verbatim: Subject ID: Show: To Do Study: All Views: All Apply

Current page: 1 Page count:

✓	A	Status	Query	Notes	Flag	Verbatim	Dictionary	Code	Lowest Level Term	Highest Level Term	Site	Study	Form Name	Subject ID	Coder	Date Coded
						Fluid on the brain	MedDRA 110				(100) Cleveland Clinic	PFSTCARDIO	Adverse Events	100-007		
						meningitis	MedDRA 110	10027199	Meningitis		(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		
						Myocardial infarction	MedDRA 110	10028596	Myocardial infarction		(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		
						Fatigue	MedDRA 110	10016256	Fatigue	General disorders and administration site conditions	(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005	csi	14-Mar-2011 13:30:46
						Headache	MedDRA 110	10019211	Headache	Nervous system disorders	(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005	csi	14-Mar-2011 13:30:44
						stomach pains	MedDRA 110				(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		
						gout	MedDRA 110	10018627	Gout		(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		
						thrombocytopenia	MedDRA 110	10043554	Thrombocytopenia	Blood and lymphatic system disorders	(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005	csi	14-Mar-2011 13:30:40
						thrombocytopenia	MedDRA 110	10043554	Thrombocytopenia	Blood and lymphatic system disorders	(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005	csi	14-Mar-2011 13:30:39
						queasy	MedDRA 110				(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		
						persistent gout	MedDRA 110				(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		
						He has pain	MedDRA 110				(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		
						Migraine	MedDRA 110	10027599	Migraine		(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		
						nausea and vomiting	MedDRA 110				(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		
						nausea and vomiting	MedDRA 110				(100) Mass Hospital	PFSTCARDIOCC	Adverse Events	100-005		

Done

Local intranet 100% 100%

Coding workflows

- Let's explore.....
 - Validating coding decisions
 - Approval processes
 - Working with a CRO ?

Coding workflows

Central Coding™ Welcome, Rich Davies Help | My Profile | Logout

Coding Requests Approvals Queries Reports Coding Setup Admin

Actions Approve Approve Single Disapprove Disapprove Single Create Query Add Notes Add Flags

Approvals

Verbatim: Subject ID: Show:

✓	A	Status	Query	Notes	Flag	Verbatim	Dictionary	Code	Low Level Term
☐						Diverticulitis	MedDRA 110	10013538	Diverticulitis
☐						Diverticulitis	MedDRA 110	10013538	Diverticulitis
☐						Diverticulitis	MedDRA 110	10013538	Diverticulitis
☐						Diverticulitis	MedDRA 110	10013538	Diverticulitis

Coding Browser -- Webpage Dialog

Dictionary: MedDRA Version: 110 Culture: en-US

Verbatim: Diverticulitis

Suggest Stopword Create Query

Search for: Diverticulitis

In field: Low Level Term Starts With Contains Auto Exclude Auto Suggestion step Return All Matches

☒ Use as Auto Suggestion ☐ Contains whole words only Cancel

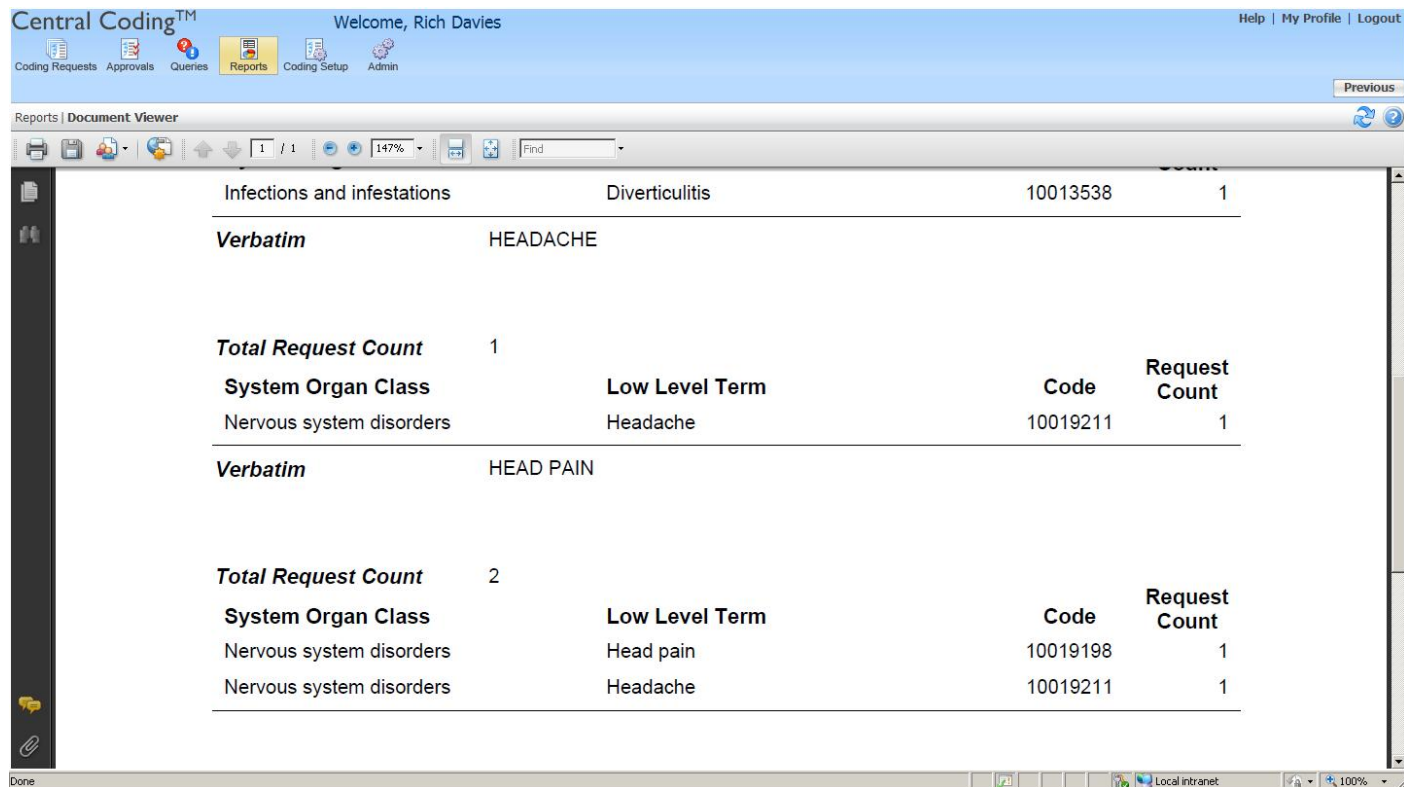
	LLT Code	Low Level Term	Preferred Term	High Level Term	High Level Group Term	System Organ Class	
Accept P	10013538	Diverticulitis	Diverticulitis	Abdominal and gastrointestinal infections	Infections - pathogen unspecified	Infections and infestations	View Synonyms Suggest Synonym

Matched on step 1 - matched text was "Diverticulitis" - the returned match limit is 200 - 1 matches found - 1 rows returned.

http://vmdemos.phaseforward.com/centralcodingdev1/CodingBrowser/CodingBrowser.aspx Local intranet

Managing Coding

- Let's explore.....
- How efficient we are ?

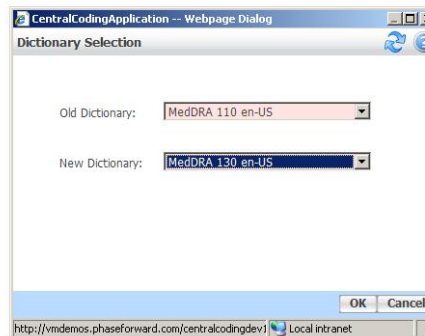


The screenshot shows the Central Coding™ web application. The top navigation bar includes links for Coding Requests, Approvals, Queries, Reports (highlighted), Coding Setup, and Admin. A user welcome message 'Welcome, Rich Davies' and links for Help, My Profile, and Logout are on the right. The main content area is titled 'Reports | Document Viewer' and displays a report with the following data:

System Organ Class	Low Level Term	Code	Request Count
Infections and infestations	Diverticulitis	10013538	1
Verbatim HEADACHE			
Total Request Count		1	
System Organ Class			
Nervous system disorders	Headache	10019211	1
Verbatim HEAD PAIN			
Total Request Count		2	
System Organ Class			
Nervous system disorders	Head pain	10019198	1
Nervous system disorders	Headache	10019211	1

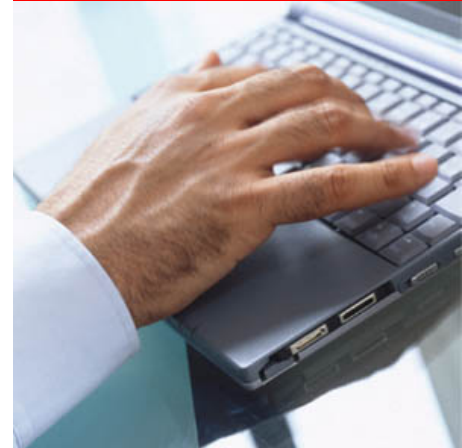
Up-versioning

- Let's explore.....
- How do we know what's changed ?



Summary – Central Coding

- Coding as data is collected
 - Automatically in near real-time
- Coding workflows
 - To suit our business, including partners
- Managing Coding
 - We know how efficient we are
- Up-versioning
 - We know what's changed together with the impact





Questions ?

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