

RadLex Playbook User Manual

Computed Tomography

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The RadLex Playbook is a special component of the RadLex controlled terminology being developed by RSNA. The Playbook will provide a standard, comprehensive lexicon of radiology orderables and imaging procedure step names. Each Playbook entry will include:

- A unique identifier (RPID) used in information systems to identify the procedure/step name, a long version of the text name, and a short version of the name.
- A name composed according to the Playbook orderable grammar
- A short name for DICOM
- A human-readable definition
- Mappings to RadLex atomic terms describing components of procedure names, such as modality, body part, indications, etc.

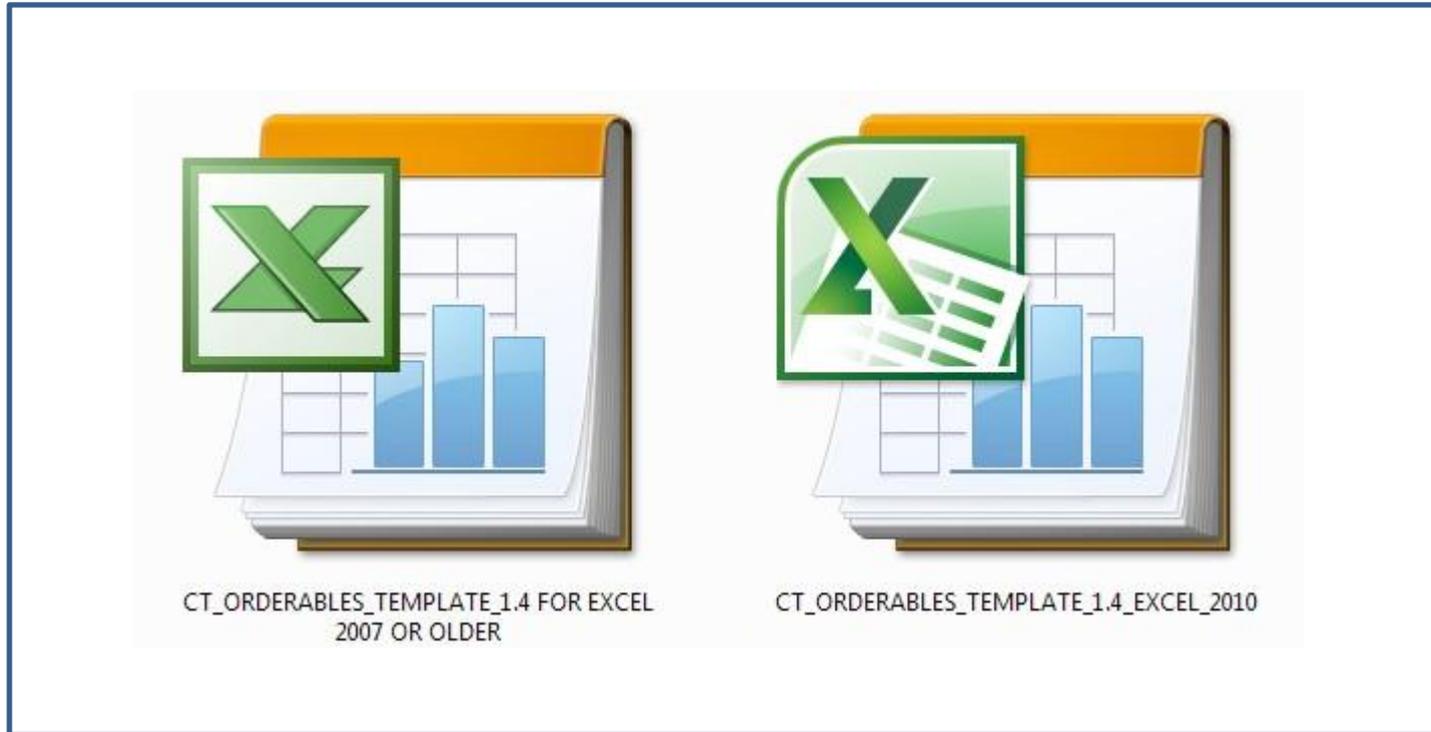
In order to map each institution's charge master to the playbook, separate modality-specific spreadsheets will have to be filled out and submitted. In return a RadLex Playbook ID (RPID) will be generated for each exam description provided. Drop-down lists have been created in an effort to minimize variation and to make it easier for the user to use.

This user manual will focus on computed tomography. There is a step-by-step guide to filling in and submitting the spreadsheets.

For more information please visit this website:

http://www.rsna.org/Informatics/radlex_playbook.cfm

OBTAINING THE CORRECT SPREAD SHEET



Download correct version of the RadLex Playbook spreadsheet template for the version of EXCEL that is installed at your facility from this website.

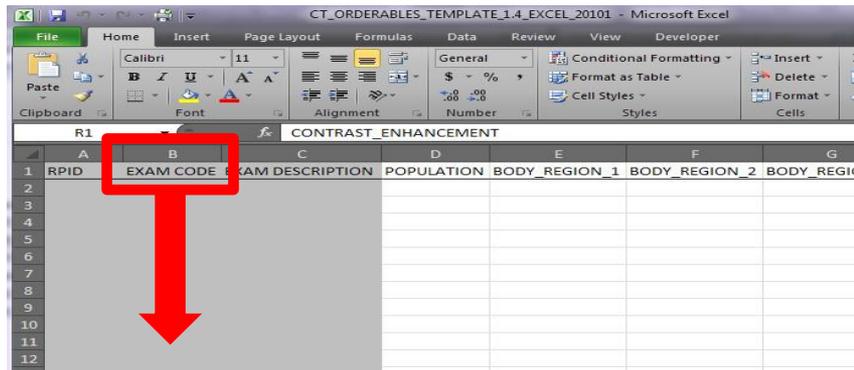
<http://playbook.radlex.org>

Population	--Select--	Laterality	--Select--
Body Region	ABDOMEN	Reason for Exam	--Select--
Modality Modifier	--Select--	Technique	--Select--
Procedure Modifier	--Select--	IV Contrast	WITH IV CONTRAST
Anatomic Focus	--Select--		

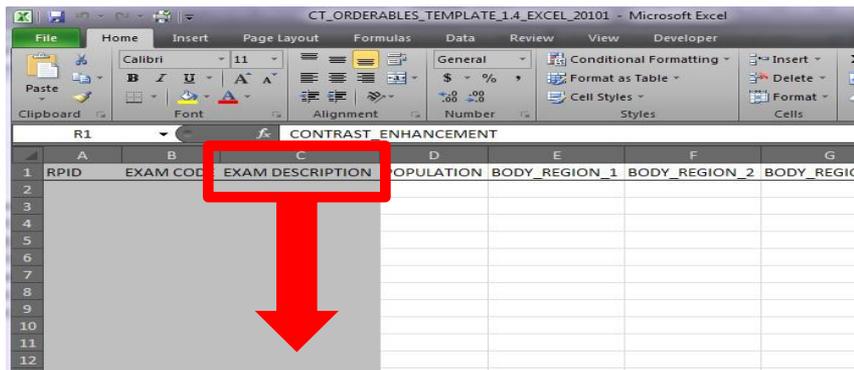


LOADING SITE SPECIFIC DATA

Each site will load their existing names from that in their Radiology Information System (RIS). Columns “B” and “C” are for this, simply paste your information in these column.



Copy your facility’s CT exam codes and paste them in column “B.”



Copy the corresponding CT exam descriptions and paste them in column “C.”

CT_ORDERABLES_TEMPLATE_1.4_EXCEL_20101 - Microsoft Excel

Page Layout Formulas Data Review View Developer

Font Alignment Number Styles Cells Editing

D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
POPULATION	BODY_REGION_1	BODY_REGION_2	BODY_REGION_3	BODY_REGION_4	BODY_REGION_5	MODALITY_MODIFIER_1	MODALITY_MODIFIER_2	PROCEDURE_MODIFIER	ANATOMIC_FOCUS	LATERAL	REASON_FOR_EXAM_1	REASON_FOR_EXAM_2	TECHNIQUE	CONTRAST_ENHANCEMENT

Pick terms from the drop-down boxes from columns “D – R.”
 Note: if a column is not needed leave the box blank.

BODY REGION

Columns “E - I” are for listing body regions.

Select body region from the drop-down box under BODY_REGION_1. If the exam description lists multiple body regions, use as many of the BODY_REGION boxes as needed to indicate them all.

E	F	G	H	I
BODY_REGION_1	BODY_REGION_2	BODY_REGION_3	BODY_REGION_4	BODY_REGION_5

B	C	E	F	G	H	I
EXAM CODE	EXAM DESCRIPTION	BODY_REGION_1	BODY_REGION_2	BODY_REGION_3	BODY_REGION_4	BODY_REGION_5
CTAPA	CT ANGIO ABDOMEN AND PELVIS	ABDOMEN	PELVIS			

Example

MODALITY/PROCEDURE MODIFIER

From columns J-L select the terms needed to describe the exam.

J	K	L
MODALITY_MODIFIER_1	MODALITY_MODIFIER_2	PROCEDURE_MODIFIER

B	C	J	K	L
EXAM_CODE	EXAM_DESCRIPTION	MODALITY_MODIFIER	MODALITY_MODIFIER_2	PROCEDURE_MODIFIER
CALE/L	ct angio lower extremity comb left	ANGIOGRAPHY		
CCSE2N	CT Cervical Spine w/inj (by Reconstruction)	RECONSTRUCTION		
CTCHOANL	CT-Cholangiogram	CHOLANGIOGRAPHY		
CTRES	CT Research (Not Billed)			RESEARCH

Example 1.

B	C	J	K
EXAM_CODE	EXAM_DESCRIPTION	MODALITY_MODIFIER_1	MODALITY_MODIFIER_2
C3DCOL	CT Colonoscopy	COLONOGRAPHY	3D IMAGING PROCESSING
C3DPCT	CT Angio PCT 3D	ANGIOGRAPHY	3D IMAGING PROCESSING

Example 2.

ANATOMIC FOCUS

If the exam has a more specific anatomic focus than the body region, then select it in column “M”.

M
ANATOMIC_FOCUS

B	C	E	M
EXAM CODE	EXAM DESCRIPTION	BODY_REGION_1	ANATOMIC_FOCUS
CSEUE	CT SELLA WOW	HEAD	SELLA TURCICA
CSINE	CT SINUS W	HEAD	PARANASAL SINUSES

Example

LATERALITY

Column “N” denotes the side on which the scan is performed.
For example: Left, Right, or Bilateral.

N
LATERALITY

B	C	N
EXAM_CODE	EXAM_DESCRIPTION	LATERALITY
CLEUEB	CT LOW EXTRM WOW BILAT	BILATERAL
CLEUEL	CT LOW EXTRM WOW LEFT	LEFT
CLEUER	CT LOW EXTRM WOW RIGHT	RIGHT

Example

REASON FOR EXAM

Columns “O - P” are for indicating the reason for the exam, when warranted. Examples are “follow-up procedure”, “screening”, or “procedure”.

O	P
REASON_FOR_EXAM_1	REASON_FOR_EXAM_2

B	C	O	P
EXAM_CODE	EXAM_DESCRIPTION	REASON_FOR_EXAM	REASON_FOR_EXAM_2
CCSO	CT Heart with contrast for cardiac structure and morphology	STRUCTURE	MORPHOLOGY
CBXN	ct guidance needle biopsy	BIOPSY	
CTCS	ct colonography w/o inj (scr)	SCREENING	

Example

TECHNIQUE

Technique at this time consists of “direct coronal” or “thin section.”
Pick these terms if needed, otherwise leave the box blank.

Q
TECHNIQUE

B	C	Q
EXAM_CODE	EXAM_DESCRIPTION	TECHNIQUE
CCHTS	CT CHEST THIN SECTION	THIN SECTION

Example

CONTRAST ENHANCEMENT

The last column is to list a term that describes contrast enhancement.

For example, if the exam description states with contrast, then “WITH IV CONTRAST” should be chosen.

R
CONTRAST_ENHANCEMENT

B	C	R
EXAM_CODE	EXAM_DESCRIPTION	CONTRAST_ENHANCEMENT
CABPE	CT ABDOMEN PEL W/CONTRAST	WITH IV CONTRAST
CABPU	CT ABDOMEN PEL W/O CONTRAST	WITHOUT IV CONTRAST
CABPUE	CT ABDOMEN PEL W/W/O CONTRAST	WITHOUT THEN WITH IV CONTRAST
CTHX	CT Head with Xenon	XENON

Example

AND/OR

If the exam has multiple body regions but they are scanned in the same way, use one line.

B	C	E	F	G	J	R
EXAM_CODE	EXAM_DESCRIPTION	BODY_REGION	BODY_REGION_2	BODY_REGION_3	MODALITY_MODIFIER	CONTRAST_ENHANCEMENT
CT3TAP	CT Angio Chest Abdomen and Pelvis	CHEST	ABDOMEN	PELVIS	ANGIOGRAPHY	

If the exams differ in any fashion other than body region, then use multiple lines.

B	C	E	F	G	J	R
EXAM_CODE	EXAM_DESCRIPTION	BODY_REGION	BODY_REGION_2	BODY_REGION_3	MODALITY_MODIFIER	CONTRAST_ENHANCEMENT
CTAWWOP	CT Abdomen with and without Contrast Pelvis with Contrast	ABDOMEN				WITHOUT THEN WITH IV CONTRAST
CTAWWOP	CT Abdomen with and without Contrast Pelvis with Contrast	PELVIS				WITH IV CONTRAST
CTAWWOT	CT Abdomen with and without Contrast Chest with Contrast	ABDOMEN				WITHOUT THEN WITH IV CONTRAST
CTAWWOT	CT Abdomen with and without Contrast Chest with Contrast	CHEST				WITH IV CONTRAST

If the exams contain multiple anatomic focus entries which use “OR”, then use multiple lines.

B	C	E	M
EXAM_CODE	EXAM_DESCRIPTION	BODY_REGION	ANATOMIC_FOCUS
CTO	CT Orbit Sella Patient Fossa and Temporal Bone	HEAD	ORBITS
CTO	CT Orbit Sella Patient Fossa and Temporal Bone	HEAD	SELLA TURCICA
CTO	CT Orbit Sella Patient Fossa and Temporal Bone	HEAD	POSTERIOR CRANIAL FOSSA
CTO	CT Orbit Sella Patient Fossa and Temporal Bone	HEAD	TEMPORAL BON



UPLOADING TO RSNA

To have your spreadsheet uploaded to the RadLex database
email

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VIEWING THE RESULTS

Go to the Playbook website (<http://playbook.radlex.org>) and use the search functions to view the results.

Search CT Orderables Playbook

Population:

Body Region:

Modality Modifier:

Procedure Modifier:

Anatomic Focus:

Laterality:

Reason for Exam:

Technique:

IV Contrast:

RPID	Short Name	Long Name	Long Description
RPID5	CT ABD W IVCON	CT ABDOMEN WITH IV CONTRAST	A computed tomography imaging procedure focused on the ABDOMEN WITH IV CONTRAST
RPID89	CT ABD PELVIS COLONGRPHY W IVCON	CT ABDOMEN PELVIS COLONOGRAPHY WITH IV CONTRAST	A computed tomography COLONOGRAPHY procedure focused on the ABDOMEN and PELVIS WITH IV CONTRAST
RPID145	CT ABD PELVIS W IVCON	CT ABDOMEN PELVIS WITH IV CONTRAST	A computed tomography imaging procedure focused on the ABDOMEN and PELVIS WITH IV CONTRAST
RPID152	CT ABD PELVIS ENTERO W IVCON	CT ABDOMEN PELVIS ENTEROGRAPHY WITH IV CONTRAST	A computed tomography ENTEROGRAPHY procedure focused on the ABDOMEN and PELVIS WITH IV CONTRAST
RPID238	CT ABD PELVIS RECTUM W IVCON	CT ABDOMEN PELVIS RECTUM WITH IV CONTRAST	A computed tomography imaging procedure focused on the RECTUM in the ABDOMEN and PELVIS WITH IV CONTRAST
RPID249	CT CHST ABD PELVIS W IVCON	CT CHEST ABDOMEN PELVIS WITH IV CONTRAST	A computed tomography imaging procedure focused on the CHEST and ABDOMEN and PELVIS WITH IV CONTRAST
RPID251	CT CHST ABD W IVCON	CT CHEST ABDOMEN WITH IV CONTRAST	A computed tomography imaging procedure focused on the CHEST and ABDOMEN WITH IV CONTRAST

DOWNLOADING A CSV COPY

To generate a .CSV file of the search results click on the “Generate CSV File button.

Search CT Orderables Playbook

Population:

Body Region:

Modality Modifier:

Procedure Modifier:

Anatomic Focus:

Laterality:

Reason for Exam:

Technique:

IV Contrast:

RPID	Short Name	Long Name	Long Description
RPID5	CT ABD W IVCON	CT ABDOMEN WITH IV CONTRAST	A computed tomography imaging procedure focused on the ABDOMEN WITH IV CONTRAST
RPID89	CT ABD PELVIS COLONGRPHY W IVCON	CT ABDOMEN PELVIS COLONOGRAPHY WITH IV CONTRAST	A computed tomography COLONOGRAPHY procedure focused on the ABDOMEN and PELVIS WITH IV CONTRAST
RPID145	CT ABD PELVIS W IVCON	CT ABDOMEN PELVIS WITH IV CONTRAST	A computed tomography imaging procedure focused on the ABDOMEN and PELVIS WITH IV CONTRAST
RPID152	CT ABD PELVIS ENTERO W IVCON	CT ABDOMEN PELVIS ENTEROGRAPHY WITH IV CONTRAST	A computed tomography ENTEROGRAPHY procedure focused on the ABDOMEN and PELVIS WITH IV CONTRAST
RPID238	CT ABD PELVIS RECTUM W IVCON	CT ABDOMEN PELVIS RECTUM WITH IV CONTRAST	A computed tomography imaging procedure focused on the RECTUM in the ABDOMEN and PELVIS WITH IV CONTRAST
RPID249	CT CHST ABD PELVIS W IVCON	CT CHEST ABDOMEN PELVIS WITH IV CONTRAST	A computed tomography imaging procedure focused on the CHEST and ABDOMEN and PELVIS WITH IV CONTRAST
RPID251	CT CHST ABD W IVCON	CT CHEST ABDOMEN WITH IV CONTRAST	A computed tomography imaging procedure focused on the CHEST and ABDOMEN WITH IV CONTRAST

A prompt will be displayed so the file can be saved.

SUPPORT

For help with filling out the spreadsheet or issues with the Playbook templates please contact:

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