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11/15/2021
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5/5/2022
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4/29/2023
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9/30/2023
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## Revisions

Original issue

Updates applied from the text version of the data dictionary

"Clinical scenario code" and "Clinical scenario description" pluralized, 109-110 no longer used

Usage language changed on "Appropriateness Category" and "Medicare Modifier" to allow for both submissions

Data element		
number	Name of exam ordered	Description
101	File version number	
102	Facility ID number	Unique facility identifier within NRDR; a 6-digit number generated by the CDS software
103	Unique Encounter ID	An ID that uniquely identifies the CDS encounter, that is, a unique ID for each CDS encounter
104	Patient sex	Patient sex at birth
104	Patient sex	Patient sex at birth
104	Patient sex	Patient sex at birth
104	Patient sex	Patient sex at birth
105	Patient health insurance	
105	Patient health insurance	
105	Patient health insurance	
105	Patient health insurance	
105	Patient health insurance	
105	Patient health insurance	
105	Patient health insurance	
106	Patient health insurance, other, specify	
107	Clinical Scenario Codes	Codes generated by the CDS software indicating the condition or indication for the CDS encounter
108	Clinical Scenario Descriptors	Descriptions of the condition, diagnosis or indication provided for the CDS encounter
109	NOT USED	
110	NOT USED	
111	CDS Consultation Date	Date of the initial CDS consultation.
112	CDS Consultation Time	Time of the initial CDS consultation.
113	Place of Service	Setting in which the decision support consultation occurs.
113	Place of Service	Setting in which the decision support consultation occurs.
113	Place of Service	Setting in which the decision support consultation occurs.
113	Place of Service	Setting in which the decision support consultation occurs.
113	Place of Service	Setting in which the decision support consultation occurs.
114	Guideline Steward	Steward of guidelines developed.
115	Guideline Steward, other, specify	
116	Modality	
116	Modality	
116	Modality	

116 Modality

116 Modality

116 Modality

116 Modality

116 Modality

116 Modality

116 Modality

116 Modality

116 Modality

117 Modality, other

118 Name of exam ordered

119 Was the ordered exam completed?

119 Was the ordered exam completed?

119 Was the ordered exam completed?

119 Was the ordered exam completed?

120 Exam Completion Date    If more than one exam completion date is associated with

121 Appropriateness Category Category or rating associated with the exam chosen for the

121 Appropriateness Category Category or rating associated with the exam chosen for the

121 Appropriateness Category Category or rating associated with the exam chosen for the

121 Appropriateness Category Category or rating associated with the exam chosen for the

121 Appropriateness Category Category or rating associated with the exam chosen for the

122 Appropriateness Category, other, specify

123 CDS Vendor

124 CDS Vendor, other, specify

125 Medicare Modifier        Either "Appropriateness category" or "Medicare modifier"

125 Medicare Modifier        Either "Appropriateness category" or "Medicare modifier"

125 Medicare Modifier        Either "Appropriateness category" or "Medicare modifier"

125 Medicare Modifier        Either "Appropriateness category" or "Medicare modifier"

125 Medicare Modifier        Either "Appropriateness category" or "Medicare modifier"

125 Medicare Modifier        Either "Appropriateness category" or "Medicare modifier"

126 Clinician 1 - Unique ID

127 Clinician 1 - Role        Role of Clinician 1 in requesting the exam.

127 Clinician 1 - Role        Role of Clinician 1 in requesting the exam.

127 Clinician 1 - Role	Role of Clinician 1 in requesting the exam.
127 Clinician 1 - Role	Role of Clinician 1 in requesting the exam.
127 Clinician 1 - Role	Role of Clinician 1 in requesting the exam.
128 Clinician 1 - Role, Other	Role of Clinician 1 in requesting the exam.
129 Clinician 1 - First Name	
130 Clinician 1 - Last Name	
131 Clinician 1 - Training	
131 Clinician 1 - Training	
131 Clinician 1 - Training	
131 Clinician 1 - Training	
131 Clinician 1 - Training	
131 Clinician 1 - Training	
132 Clinician 1 - Training, Other	
133 Clinician 1 - Medical Specialty Code	
134 Clinician 2 - Unique ID	
135 Clinician 2 - Role	Role of Clinician 2 in requesting the exam.
135 Clinician 2 - Role	Role of Clinician 2 in requesting the exam.
135 Clinician 2 - Role	Role of Clinician 2 in requesting the exam.
135 Clinician 2 - Role	Role of Clinician 2 in requesting the exam.
135 Clinician 2 - Role	Role of Clinician 2 in requesting the exam.
128 Clinician 2 - Role, Other	Role of Clinician 2 in requesting the exam.
129 Clinician 2 - First Name	
130 Clinician 2 - Last Name	
131 Clinician 2 - Training	
131 Clinician 2 - Training	
131 Clinician 2 - Training	
131 Clinician 2 - Training	
131 Clinician 2 - Training	
131 Clinician 2 - Training	
132 Clinician 2 - Training, Other	
133 Clinician 2 - Medical Specialty Code	

Usage	Permitted values
Required	1.0
Required	number between 100000 and 999999
Required	Text of up to 50 characters
Optional	M,F,O,U
Optional	M,F,O,U
Optional	M,F,O,U
Optional	M,F,O,U
Optional	Select all that apply: 1,2,3,4,5,6,7
Optional	Select all that apply: 1,2,3,4,5,6,7
Optional	Select all that apply: 1,2,3,4,5,6,7
Optional	Select all that apply: 1,2,3,4,5,6,7
Optional	Select all that apply: 1,2,3,4,5,6,7
Optional	Select all that apply: 1,2,3,4,5,6,7
Optional	Select all that apply: 1,2,3,4,5,6,7
Required if “Patient health insurance” = “Other, specify”; not applicable otherwise.	Text of up to 255 characters
Required unless a clinical scenario description is provided; optional otherwise.	Text of up to 255 characters
Required unless a clinical scenario code is provided; optional otherwise.	Text of up to 255 characters
	Text of up to 255 characters. Codes sho
	Text of up to 255 characters. Descriptio
Required	A valid date in mm/dd/yyyy format. Mu
Required	A valid time in hh:mm:ss format.
Required	Select one: 1,2,3,88,99
Required	Select one: 1,2,3,88,99
Required	Select one: 1,2,3,88,99
Required	Select one: 1,2,3,88,99
Required	Select one: 1,2,3,88,99
Optional	Select one: Refer to Appendix A of the C
Required if “Guideline Steward” = “Other”; not applicable otherwise.	Text of up to 50 characters
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88

Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required	Select one: 1,2,3,4,5,6,7,8,9,10,11,88
Required if “Modality” = “Other”; not applicable otherwise.	Text of up to 50 characters
Required	Text of up to 50 characters
Required	Select one: 1,2,3,4
Required	Select one: 1,2,3,4
Required	Select one: 1,2,3,4
Required	Select one: 1,2,3,4
Required if “Was the ordered exam completed?” = “Yes, completion date is known”; not applicable otherwise.	A valid date in mm/dd/yyyy format. Mu
Required if “Medicare modifier” not reported; optional otherwise.	Select one: 1,2,3,88,99
Required if “Medicare modifier” not reported; optional otherwise.	Select one: 1,2,3,88,99
Required if “Medicare modifier” not reported; optional otherwise.	Select one: 1,2,3,88,99
Required if “Medicare modifier” not reported; optional otherwise.	Select one: 1,2,3,88,99
Required if “Medicare modifier” not reported; optional otherwise.	Select one: 1,2,3,88,99
Required if “Appropriateness Category” = “Other”; not applicable otherwise.	Text of up to 255 characters
Required	Refer to Appendix B of the CDSR Data D
Required if “CDS Vendor” = “Other”; not applicable otherwise.	Text of up to 50 characters
Required if “Appropriateness category” is not reported; optional otherwise.	Select one: ME,MF,MG,MB,MC,MD,MA
Required if “Appropriateness category” is not reported; optional otherwise.	Select one: ME,MF,MG,MB,MC,MD,MA
Required if “Appropriateness category” is not reported; optional otherwise.	Select one: ME,MF,MG,MB,MC,MD,MA
Required if “Appropriateness category” is not reported; optional otherwise.	Select one: ME,MF,MG,MB,MC,MD,MA
Required if “Appropriateness category” is not reported; optional otherwise.	Select one: ME,MF,MG,MB,MC,MD,MA
Required if “Appropriateness category” is not reported; optional otherwise.	Select one: ME,MF,MG,MB,MC,MD,MA
Required if “Appropriateness category” is not reported; optional otherwise.	Select one: ME,MF,MG,MB,MC,MD,MA
Optional	Text of up to 50 characters
Required if “Clinician 1 – Unique ID” reported; not applicable otherwise.	Select all that apply: 1,2,3,88,99
Required if “Clinician 1 – Unique ID” reported; not applicable otherwise.	Select all that apply: 1,2,3,88,99

Required if “Clinician 1 – Unique ID” reported; not applicable otherwise.  
Required if “Clinician 1 – Unique ID” reported; not applicable otherwise.  
Required if “Clinician 1 – Unique ID” reported; not applicable otherwise.  
Required if “Clinician 1 - Role” = “Other”; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Required if “Clinician 1 - Training” = “Other”; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 1 – Unique ID” is reported; not applicable otherwise.  
Required if “Clinician 2 – Unique ID” reported; not applicable otherwise.  
Required if “Clinician 2 – Unique ID” reported; not applicable otherwise.  
Required if “Clinician 2 – Unique ID” reported; not applicable otherwise.  
Required if “Clinician 2 – Unique ID” reported; not applicable otherwise.  
Required if “Clinician 2 – Unique ID” reported; not applicable otherwise.  
Required if “Clinician 2 - Role” = “Other”; not applicable otherwise.  
Optional if “Clinician 2 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 2 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 2 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 2 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 2 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 2 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 2 – Unique ID” is reported; not applicable otherwise.  
Optional if “Clinician 2 Training” = “Other”; not applicable otherwise.  
Optional if “Clinician 2 – Unique ID” is reported; not applicable otherwise.

Select all that apply: 1,2,3,88,99  
Select all that apply: 1,2,3,88,99  
Select all that apply: 1,2,3,88,99  
Text of up to 50 characters  
Text of up to 50 characters, including pe  
Text of up to 50 characters, including pe  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Text of up to 50 characters  
Refer to Appendix C of the CDSR Data D  
Text of up to 50 characters  
Select all that apply: 1,2,3,88,99  
Select all that apply: 1,2,3,88,99  
Select all that apply: 1,2,3,88,99  
Select all that apply: 1,2,3,88,99  
Select all that apply: 1,2,3,88,99  
Text of up to 50 characters  
Text of up to 50 characters, including pe  
Text of up to 50 characters, including pe  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Select one: 1,2,3,4,88,99  
Text of up to 50 characters  
Refer to Appendix C of the CDSR Data D



Mapping

- M-Male
- F-Female
- O-Other
- U-Unknown
- 1 - Medicare
- 2 - Medicaid
- 3 - Private insurance
- 4 - Unknown
- 5 - Self-pay
- 6 - VA
- 7 - Other, specify

uld be separated by commas.  
ns should be separated by commas.  
ist be greater than or equal 1/1/2000 and less than or equal to the current date.

- 1 - Ambulatory
  - 2 - Inpatient
  - 3 - Emergency Department
  - 88 - Other
  - 99 - Unknown
- CDSR Data Dictionary

- 1- Bone densitometry
- 2- CT
- 3 – Interventional or fluoroscopy

- 4 – Mammography
- 5 – MRI
- 6 - Nuclear medicine
- 7 – PET
- 8 – Radiography
- 9 - Stereotactic breast biopsy
- 10 – Ultrasound
- 11 – Radiation oncology
- 88 - Other

- 1 - No
- 2 - Yes, completion date is known
- 3 - Yes, completion date is not known
- 4 - Unknown whether exam was completed.

ist be greater than or equal to the consultation date and less than or equal to the current date.

- 1 – Usually appropriate. The imaging procedure or treatment is indicated in the specified clinical scenarios at a favorable risk-benefit ratio for patients.
- 2 – May be appropriate. The imaging procedure or treatment may be indicated in the specified clinical scenarios as an alternative to imaging procedures or treatments with a more favorable risk-benefit ratio.
- 3 – Usually not appropriate. The imaging procedure or treatment is unlikely to be indicated in the specified clinical scenarios, or the risk-benefit ratio for patients is likely to be unfavorable.
- 88 - Other, specify - An appropriateness category or rating that does not map to 1, 2 or 3.
- 99 – Unknown

ictionary

- ME: imaging service adheres to the AUC
- MF: imaging service does not adhere to the AUC
- MG: qualified CDSM does not contain AUC that applies to the order
- MB: insufficient internet access
- MC: EHR or CDSM vendor issues
- MD: extreme and uncontrollable circumstances
- MA: identifies claims for patients with a suspected or confirmed emergency medical condition since services ordered for these patients are excepted under statute.

- 1 – Clinician who consulted the CDS
- 2 – Ordering clinician

- 3 – Authorizing clinician
- 88 – Other
- 99 – Unknown

periods, hyphens, and apostrophes.  
periods, hyphens, and apostrophes.

- 1 - MD/DO
- 2 - Physician assistant
- 3 - Nurse practitioner
- 4 - Medical assistant
- 88 - Other
- 99 - Other

ictionary

- 1 – Clinician who consulted the CDS
- 2 – Ordering clinician
- 3 – Authorizing clinician
- 88 – Other
- 99 – Unknown

periods, hyphens, and apostrophes.  
periods, hyphens, and apostrophes.

- 1 - MD/DO
- 2 - Physician assistant
- 3 - Nurse practitioner
- 4 - Medical assistant
- 88 - Other
- 99 - Other

ictionary



nefit ratio, or the risk-benefit ratio for patients is equivocal.