



Mengbing Li <mengbing@umich.edu>

ICD-9 pcs vs CPT

5 messages

Mengbing Li <mengbing@umich.edu>
To: "Lin, Paul" <linpaul@med.umich.edu>

Mon, Jan 14, 2019 at 10:32 AM

Hi Paul,

How are you doing? As I am working on the OptumInsight data, I am wondering if you could kindly help me understand the ICD-9 codes?

It seems that ICD-9 contains both diagnosis codes and procedure codes, and that CPT/HCPCS codes can be connected to ICD-9 procedure codes through a crosswalk. But I do not quite understand the difference between ICD-9 procedure codes and CPT/HCPCS codes. How does a doctor determine which procedure codes to enter if the two systems are connected? Also, in the medical claims and confinement claims of OptumInsight, do the DIAGX fields contain both ICD-9 diagnosis and procedure codes?

Thank you and I appreciate your help!

Thanks,
Mengbing

Lin, Paul <linpaul@med.umich.edu>
To: Mengbing Li <mengbing@umich.edu>

Mon, Jan 14, 2019 at 12:08 PM

To Mengbing,

Hope that things are going well!

Starting with the OptumInsight's DIAGX fields, Only ICD Diagnosis Codes exist on those fields. There are separate fields called "PROCX" (PROC1-PROC5 for Confinement, PROC1-PROC25 for Medical) that include ICD Procedure Codes.

The details for ICD Procedure and its relationship to CPT/HCPCS can be a bit complicated. To put it simply:

- ICD Procedure Codes and CPT/HCPCS are fundamentally similar as they indicate the services provided to the patients
- ICD Procedure Codes are generally used by Facilities to indicate what services did the patients receive while within their facility.
- Doctors/Professionals generally uses CPT/HCPCS to indicate what services are performed on the patients
- You generally won't see ICD Procedure Codes populated unless it's submitted by Facilities
 - This can be determined using the LOC_CD, where "1" indicated Facility, while "2" indicates Professional

Hope that these helped!

Sincerely,

Paul Lin

From: Mengbing Li [mailto:mengbing@umich.edu]
Sent: Monday, January 14, 2019 10:33 AM
To: Lin, Paul
Subject: ICD-9 pcs vs CPT

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Mengbing Li <mengbing@umich.edu>
To: "Lin, Paul" <linpaul@med.umich.edu>

Mon, Jan 14, 2019 at 12:28 PM

HimPaul,

This is extremely helpful! Thank you.

A follow-up question about the fourth point in your email: Facility claims do not contain the PROCX fields but only Proc_Cd. Do Facilities actually submit claims to medical claims? Also, the CDMUserManual_7_2017.docx says that facility claims give a more granular level information on services performed in an inpatient setting. Does this mean that all Proc_Cd in facility claims are inpatient?

Thank you!
Mengbing
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Lin, Paul <linpaul@med.umich.edu>
To: Mengbing Li <mengbing@umich.edu>

Mon, Jan 14, 2019 at 6:35 PM

To Mengbing,

Unlike a few other claims dataset (like Medicare), the Medical Claim actually is composed of both Facility and Professional Claims, to which you can distinguish between the two using the LOC_CD variable that I had mentioned previously. The **Facility Detail Claims Table** actually provides a granular level of information regarding services performed at a facility. Though it claimed to be inpatient setting, after checking the data, it actually composed more **outpatient facility detail information** than **inpatient detail information**. Very little information is given regarding inpatient from the Facility Detail Claims Table, and most of the PROC_CD code you'll find in the file belongs to Outpatient Facility. Hope that this helped as well!

Sincerely,

Paul Lin

From: Mengbing Li [mailto:mengbing@umich.edu]
Sent: Monday, January 14, 2019 12:29 PM
To: Lin, Paul
Subject: Re: ICD-9 pcs vs CPT

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Mengbing Li <mengbing@umich.edu>
To: "Lin, Paul" <linpaul@med.umich.edu>

Tue, Jan 15, 2019 at 7:58 PM

Hi Paul,

Thanks a lot for the detailed explanation. It really helps.

I hope you have a good evening!

Thanks,
Mengbing
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