

Hello Hackers,

We at Optum value compassion, integrity, relationships, performance, and last but not least innovation! We come to you with a challenge to think outside of the box with real healthcare data! We work with large data sets which are analyzed, mapped, and transformed for use in our applications. These applications are then used to provide solutions to our consumers. Now let’s get to the challenge!

On our code hub <https://github.com/optumRutgers>, you will find sample claims and RX data. This data consists of fields such as member ID, service date, procedure codes, and etc. Use this data and your imagination to create a minimal viable product. You’re free to choose any technology and platform to transform this data into something that is usable. Use this data combined with other external API’s to understand the information and kick start your project!

All challenges need to be submitted to the Optum table by 4:45pm for a 5:00pm judging on Saturday. Winner will be announced at 5:00pm!

Good luck!

**Definitions**

Revenue Code - 3-digit numbers that are used on hospital bills to tell the insurance companies either where the patient was when they received treatment, or what type of item a patient might have received as a patient.

Procedure Code - sub-type of medical classification used to identify specific surgical, medical, or diagnostic interventions.

HCPS -  similar to procedure codes. A set of [health care](https://en.wikipedia.org/wiki/Health_care) [procedure codes](https://en.wikipedia.org/wiki/Procedure_codes) based on the [American Medical Association](https://en.wikipedia.org/wiki/American_Medical_Association)'s [Current Procedural Terminology](https://en.wikipedia.org/wiki/Current_Procedural_Terminology). The code set is made up of five-character, alpha-numeric codes mainly representing medical supplies, durable medical goods, non-physician services, and services

ICD Diagnosis Codes - used as a tool to group and identify [diseases](https://en.wikipedia.org/wiki/Disease), disorders, [symptoms](https://en.wikipedia.org/wiki/Symptom), poisonings, adverse effects of drugs & chemicals, injuries and other reasons for patient encounters

National Drug Code - unique 10-digit, 3-segment numeric identifier assigned to each medication listed under Section 510 of the US Federal Food, Drug, and Cosmetic Act.