PD Ratings Detailed Document

Explanations for different options:

Side: Can have three options only i.e **left , right or None**. Please Note that the side should be valid according to different impairments digits or numbers.

What this means is , lets say a impairment number 16.XX.XX.XX , it can have a side. i.e left or right. This cannot have none as a side selection at all

Another example is : 13.XX.XX.XX . This shouldn't have a side, Only valid selection for this should be None. Right and Left cannot be selected for this

For the impairments data please check the data.py file in pd ratings folder

UE (Upper Extremity) : An UE is a unit just like WPI (Whole Person Impairment). This can be directly converted to WPI by this specific formula.

Formula for conversion:

UE * 0.6 , rounded to nearest number.

Please note that after UE is converted to WPI, The max WPI is 60. If the converted value is greater than 60 , it should be limited to 60 WPI only.

UE is to be specified only for some of the impairment numbers/injuries , it is specified in the config.

Frontend Feedback : An automatic converter should be given for this conversion. There should be two inputs one is UE and the other is WPI, the values of UE and WPI should dynamically change when either of them changes. This is only specific for some impairment numbers. Note that the exact details whether the UE input should be there depends on the impairment config in the impairments data.

LE (Lower Extremity) : An LE is a unit just like WPI (Whole Person Impairment). This can be directly converted to WPI by this specific formula.

Formula for conversion:

LE * 0.4 , rounded to nearest number.

Please note that after LE is converted to WPI, The max WPI is 40. If the converted value is greater than 40 , it should be limited to 40 WPI only.

LE is to be specified only for some of the impairment numbers/injuries , it is specified in the config.

Frontend Feedback : An automatic converter should be given for this conversion. There should be two inputs one is LE and the other is WPI, the values of LE and WPI should dynamically change when either of them changes. This is only specific for some impairment numbers. Note that the exact details whether the UE input should be there depends on the impairment config in the impairments data.

Digit Impairment or D input: An Digit impairment or D is a unit for measuring a single finger impairment only. Please note that these types of impairments always have a side (right or left). The side cannot be None where there is a digit impairment. (Again this all is to be determined from the config)

Lets say where we have one impairment number : 16.02.XX.00

And one another : 16.02.XX.01. Lets say these both are for two fingers like one for **index** and the other for the **thumb**. These can have different digit impairments. Lets say they both have a same side selected (Right side)

16.02.XX.00 has 19 D (19 digit impairment)

16.02.XX.01 has 21 D (21 digit impairment)

Let's say the user only add these two finger impairments on the right side. On the backend these will be grouped together as a **Hand Impairment.** When fingers of the same side are combined these form a hand impairment.

There are certain rules for converting Digit impairment to hand impairment i.e there is a different conversion chart for each finger. Eg for index and middle the chart for conversion will be different.

For little and ring will be different etc. All these charts are available in data.py file in pd_ratings folder

The **hand impairment** is further converted to **UE impairment.** The **UE impairments get converted to WPI** as mentioned above.

Conversion happens like this:

Digit Impairment

For single or

multiple fingers for

either of the side

Hand Impairment

Upper Extremity Impairment

WPI

Frontend / Common Feedback:

Handling each industrial % and pain% for digit impairment

Let's say we have multiple finger impairment numbers for a side. In the frontend we have to handle it by asking for a common pain and industrial percentage input. Multiple fingers of a hand cannot have different pain and industrial percentage.

Other Requirements:

Occupation Number or Group : This is a three digit number for an occupation , there can be multiple job titles or occupations under a occupational group. All the job titles are for a specific industry only.

Format of Occupational codes in the config or data.py file.

```
job_codes_formatted = {'110': {'ACADEMIC DEAN': 'education', 'ACCOUNT
EXECUTIVE': 'business ser.',
                               'CARDIAC MONITOR TECHNICIAN': 'medical ser.',
'GRANT COORDINATOR': 'profess. & kin.',
                               'CONSULTANT, EDUCATION': 'education',
                               'COORDINATOR, SKILL-TRAINING PROGRAM':
'government ser. - PROGRAM',
                               'DRAWINGS CHECKER, ENGINEERING': 'profess. &
kin.',
                               'EDITOR, MANAGING, NEWSPAPER': 'print. & pub.',
'MANAGEMENT ANALYST': 'profess. & kin.',
                               'MANAGER, BENEFITS': 'profess. & kin.',
'MANAGER, BUS TRANSPORTATION': 'motor trans.',
                               'MANAGER, DATA PROCESSING': 'profess. & kin.',
'MANAGER, DEPARTMENT': 'any industry',
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                                'PRESIDENT': 'any industry', 'REPORTS ANALYST':
'profess. & kin.',
                                'UNDERWRITER, MORTGAGE LOAN': 'financial',
'URBAN PLANNER': 'profess. & kin.',
                                'VOCATIONAL REHABILITATION CONSULTANT':
'government ser. - CONSULTANT',
                                'APPEALS REFEREE': 'government ser.',
'CEPHALOMETRIC ANALYST': 'medical ser.',
                                'CLINICAL PSYCHOLOGIST': 'profess. & kin.',
                                'BIOLOGY SPECIMEN TECHNICIAN': 'profess. &
kin.', 'BUSINESS MANAGER': 'amuse. & rec.',
                                'FINANCIAL PLANNER': 'profess. & kin.',
'FINANCIAL AIDS OFFICER': 'education',
                                'HARBOR MASTER': 'government ser.',
                                'HAZARDOUS WASTE MANAGEMENT SPECIALIST':
'government ser. - SPECIALIST',
                                'HEARING OFFICER': 'government ser.', 'IMPORT-
EXPORT AGENT': 'any industry',
                                'INVESTMENT ANALYST': 'financial', 'JOB
DEVELOPMENT SPECIALIST': 'profess. & kin.',
                                'JUDGE': 'government ser.', 'COUNSELOR':
'profess. & kin.',
                                'DIRECTOR, FUNDRAISING': 'nonprofit org.',
'DIRECTOR, MOTION PICTURE': 'motion picture',
                                'DIRECTOR, REGULATORY AGENCY': 'government
ser.',
                                'DIRECTOR, RESEARCH AND DEVELOPMENT': 'any
industry - DEVELOPMENT',
                                'DIRECTOR, SERVICE': 'retail trade', 'LAWYER':
'profess. & kin.',
                                'LEGISLATIVE ASSISTANT': 'government ser.',
'LITERARY AGENT': 'business ser.',
                                'LOAN OFFICER': 'financial', 'MANAGER, HOTEL OR
MOTEL': 'hotel & rest.',
                                'MANAGER, TRAFFIC': 'air trans.; any',
'PSYCHOLOGIST, CLINICAL': 'profess. & kin.',
                                'PSYCHOLOGIST, COUNSELING': 'profess. & kin.',
                                'PUBLIC HEALTH SERVICE OFFICER': 'government
ser.'},
                        '111': {'ABSTRACTOR': 'profess. & kin.', 'ACCOUNT
INFORMATION CLERK': 'utilities',
                                'ACCOUNTANT': 'profess. & kin.', 'ACCOUNTANT,
PROPERTY': 'profess. & kin.',
                                'ACCOUNTING CLERK': 'clerical', 'ADMINISTRATIVE
ANALYST': 'any industry',
                                'ADMISSIONS EVALUATOR': 'education', 'ALARM
SIGNAL OPERATOR': 'any industry',
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                                'CHILD SUPPORT OFFICER': 'government ser.',
'CLAIM ADJUSTER, INSIDE': 'insurance',
                                'CLAIMS CLERK': 'insurance', 'ATTENDANCE
CLERK': 'education',
                                'AUCTION CLERK': 'retail trade', 'AUDIT CLERK':
'clerical', 'AUDITOR': 'profess. & kin.',
                                'AUTOMOBILE LOCATOR': 'retail trade', 'BONDING
AGENT': 'business ser.',
                                'BRAILLE PROOFREADER': 'nonprofit org.',
'ENGINEER, BIOMEDICAL': 'profess. & kin.',
                                'ENGINEER, ELECTRO-OPTICAL': 'profess. & kin.',
'ENGINEER, NUCLEAR': 'profess. & kin.',
                                'ENGINEER, PACKAGING': 'profess. & kin.',
And so on…
```

Age , DOB, DOI : There should be either things

Only the age at time of injury

Or DOB and DOI

An sample from impairments data:

```
impairments_data = {'03.01.00.00': [5,
                  'Valvular Heart Disease',
                  {'digit': False,
                   'le': False,
                   'side': False,
                   'ue': False,
                   'wpi': True}],
 '03.02.00.00': [5,
                  'Coronary Heart Disease',
                  {'digit': False,
                   'le': False,
                   'side': False,
                   'ue': False,
                   'wpi': True}],
 '03.03.00.00': [5,
                  'Congenital Heart Disease',
                  {'digit': False,
```

```
                 'le': False,
                 'side': False,
                 'ue': False,
                 'wpi': True}],
'03.04.00.00': [5,
                'Cardiomyopathies',
                {'digit': False,
                 'le': False,
                 'side': False,
                 'ue': False,
                 'wpi': True}],
'03.05.00.00': [5,
                'Pericardial Heart Disease',
                {'digit': False,
                 'le': False,
                 'side': False,
                 'ue': False,
                 'wpi': True}],
'03.06.00.00': [5,
                'Arrhythmia',
                {'digit': False,
                 'le': False,
                 'side': False,
                 'ue': False,
                 'wpi': True}],
'04.01.00.00': [5,
                'Hypertensive Cardiovascular Disease',
                {'digit': False,
                 'le': False,
                 'side': False,
                 'ue': False,
                 'wpi': True}],
'04.02.00.00': [5,
                'Aortic Disease',
                {'digit': False,
                 'le': False,
                 'side': False,
                 'ue': False,
                 'wpi': True}],
'04.03.01.00': [5,
                'Peripheral Vascular Disease, Upper Extremities',
                {'digit': False,
                 'le': False,
                 'side': True,
                 'ue': False,
                 'wpi': True}],
'04.03.02.00': [5,
                'Peripheral Vascular Disease, Lower Extremities',
```

```
                {'digit': False,
                 'le': False,
                 'side': True,
                 'ue': False,
                 'wpi': True}],
'04.04.00.00': [7,
                 'Pulmonary Circulation Disease',
                {'digit': False,
                 'le': False,
                 'side': False,
                 'ue': False,
                 'wpi': True}],
'05.01.00.00': [7,
                 'Asthma',
                {'digit': False,
                 'le': False,
                 'side': False,
                 'ue': False,
                 'wpi': True}],
'05.02.00.00': [7,
                 'Respiratory Disorders',
                {'digit': False,
                 'le': False,
                 'side': False,
                 'ue': False,
                 'wpi': True}],
```