



# Central Learning Quick Reference Guide for Managers

**Version 1.0**

August 1, 2019



Government Programs Support

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## System Requirements

<b>Internet Connectivity</b>	250 Kbps downstream access for the machine
<b>Browsers</b>	Internet Explorer 11 or above is preferred
<b>Monitor</b>	A 19" or larger SVGA monitor with screen resolution of 1920 * 1080 pixels.
<b>Image Viewer</b>	Latest version of Java (JRE) and PDF viewer are required for PDF Medical Record only
<b>Remote Access</b>	Team Viewer for Technical Support.
<b>Operating System</b>	Windows 7 Or Higher.
<b>Processor</b>	Intel® Pentium® 4, 2 GHz or Higher.
<b>RAM</b>	2 GB or Higher
<b>Hard Drive Speed</b>	7,200 RPM
<b>Minimum Software Space</b>	5 GB for workstation

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## What is Central Learning?

Central Learning is a Web-based medical coder assessment and learning application that utilizes redacted real-life medical records, answer keys and code rationales. The code rationale feature is an educational resource designed to provide details for the answer key code selection and directs the coder to specific sections of a medical record or Coding Clinic. In addition, managers have access to multiple reporting and data assessment tools. These tools automatically identify productivity and accuracy strengths and weaknesses which helps to mitigate an organization's revenue risk probability. Central Learning helps take a proactive approach to ICD-10 coder productivity and accuracy assessments.

## Assigning Cases

The assignment of a case is completed within the Coding Module > Job Mgt > Production Assignment feature. Only an Admin, Assigner and/or Mentor user role of Central Learning will have the ability to perform these functions.

### Production Assignment

There are two ways a case may be assigned, either manually by selecting individual cases or automatically by identifying the number of cases.

1. Navigate to the Job Mgt drop down within the coding module and choose **Production Assignment**

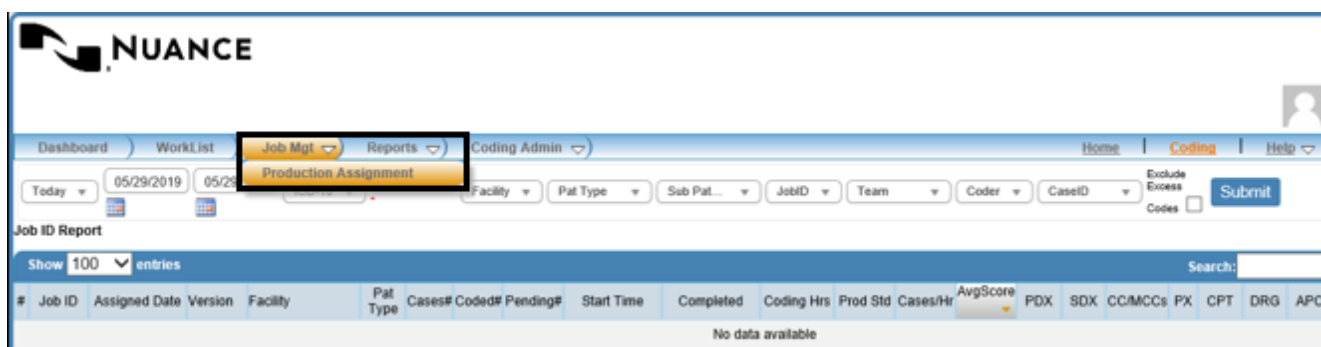


Figure: 1 Coding Module

2. Navigate to the Job Mgt drop down within the coding module and choose **Production Assignment**
3. Choose the required filter options to see a list of available cases that can be assigned. The user may also select additional filters to narrow down a specific list of cases

Required fields **Facility** (select **Hospital name**) and **Patient Type**

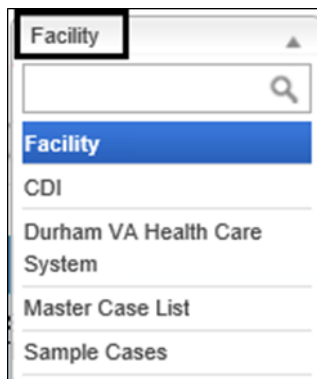


Figure: 2 Facility

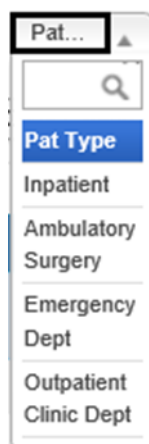


Figure: 3 Patient Type

Optional fields that are most commonly used:

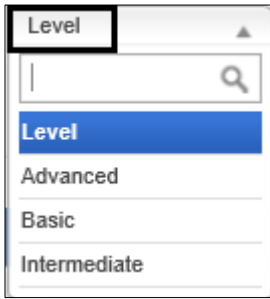


Figure: 4 Code Level

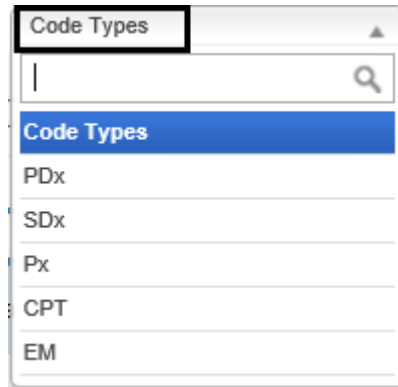


Figure: 5 Code Types

4. Once filters have been set, select **Submit** to view cases

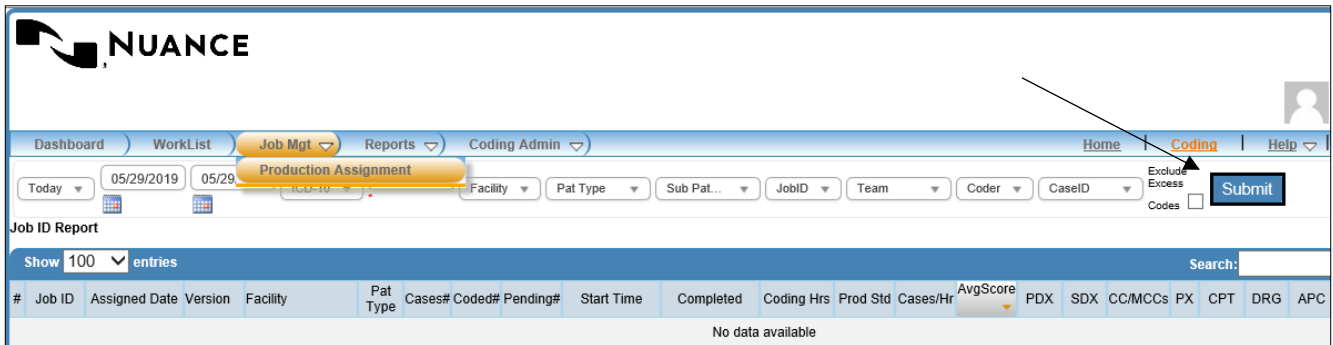


Figure: 6 Submit

## Manually Assigning Cases

1. Select the check box of the cases that need to be assigned
2. Select **Assign Cases**

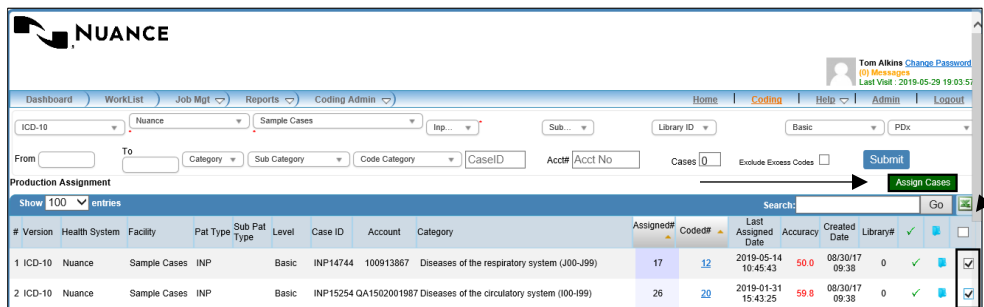


Figure: 7 Manually Assign Cases

Place Check Mark in Case Boxes

3. Choose a Group/Team or an individual coder to assign the selected cases to

Assign Cases to Groups and Users

**Assign to Group** Select Some Options

**Assign to Coder** Select Some Options

**Status**  Publish  UnPublish  Removed

**Total Assign Cases** 2

Continue to Submit Cancel

Figure: 8 Groups and Users

4. Select a **Status**

#### Status

- Publish - Assign all cases and make the assigned cases visible to coder in coder's Worklist
- Unpublish - Assign all cases and make the assigned cases invisible to coder in coder's Worklist
- Remove - Delete the not yet coded assigned cases from coder's Worklist

5. Select **Continue to Submit**

### Automatically Assigning Cases

1. Enter the number of cases to be assigned in the **Cases** filter
2. Select **Submit** and Central Learning will automatically assign the number of cases entered
3. Select **Assign Cases** to complete the selection process

**Note** Central Learning will automatically select cases that have been the least assigned and coded

The screenshot shows the Nuance Coding Admin interface. At the top, there is a navigation bar with options like Dashboard, WorkList, Job Mgt, Reports, and Coding Admin. Below this is a filter area with various dropdown menus and input fields. A box highlights the 'Cases' field, which is currently set to 0. Below the filter area is a table titled 'Production Assignment' with columns for #, Version, Health System, Facility, Pat Type, Sub Pat Type, Level, Case ID, Account, Category, Assigned#, Coded#, Last Assigned Date, Accuracy, Created Date, and Library#. Two rows of data are visible in the table.

#	Version	Health System	Facility	Pat Type	Sub Pat Type	Level	Case ID	Account	Category	Assigned#	Coded#	Last Assigned Date	Accuracy	Created Date	Library#	✓	✕	□
1	ICD-10	Nuance	Sample Cases	INP		Basic	INP14744	100913867	Diseases of the respiratory system (J00-J99)	17	12	2019-05-14 10:45:43	50.0	08/30/17 09:38	0	✓	✕	□
2	ICD-10	Nuance	Sample Cases	INP		Basic	INP15254 QA1502001987		Diseases of the circulatory system (I00-I99)	26	20	2019-01-31 15:43:25	59.8	08/30/17 09:38	0	✓	✕	□

Figure: 9 Automatically Assign Cases

4. Choose a Group/Team or an individual coder to assign the selected cases to
5. Select **Continue to Submit**

The screenshot shows a dialog box titled 'Assign Cases to Groups and Users'. It has two main sections: 'Assign to Group' and 'Assign to Coder', each with a dropdown menu currently showing 'Select Some Options'. Below these is a 'Status' section with three radio buttons: 'Publish' (selected), 'UnPublish', and 'Removed'. At the bottom left, it says 'Total Assign Cases 2'. At the bottom right, there are two buttons: 'Continue to Submit' (highlighted with a black box) and 'Cancel'.

Figure: 10 Groups and Users

# Central Learning Reports

There are seven reports available for users to create, print and/or export to excel. These reports may be modified to fit the users' needs by using the filtered drop-down options.

- Job ID Report
- Basic Report
- Case ID Report
- Post Coded Notes Report
- Coder's Performance Profile
- Coder's Notes Report
- Peer Performance Comparison

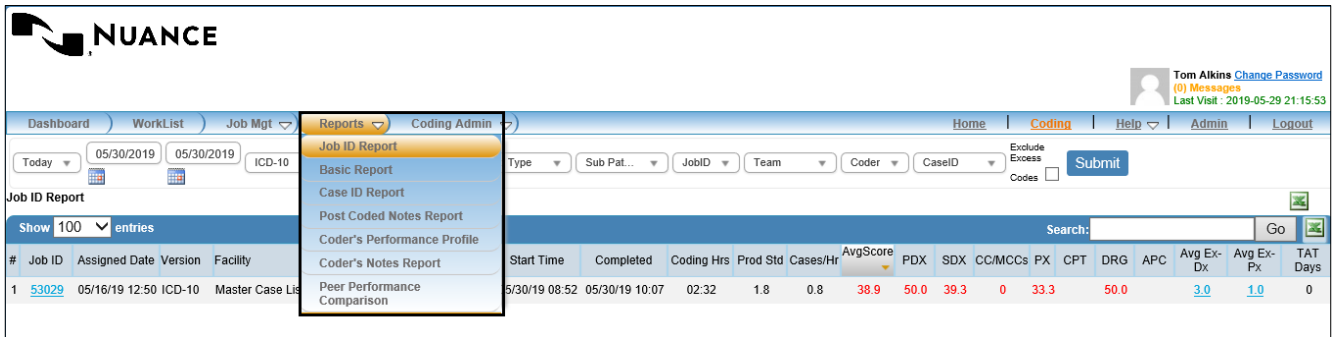
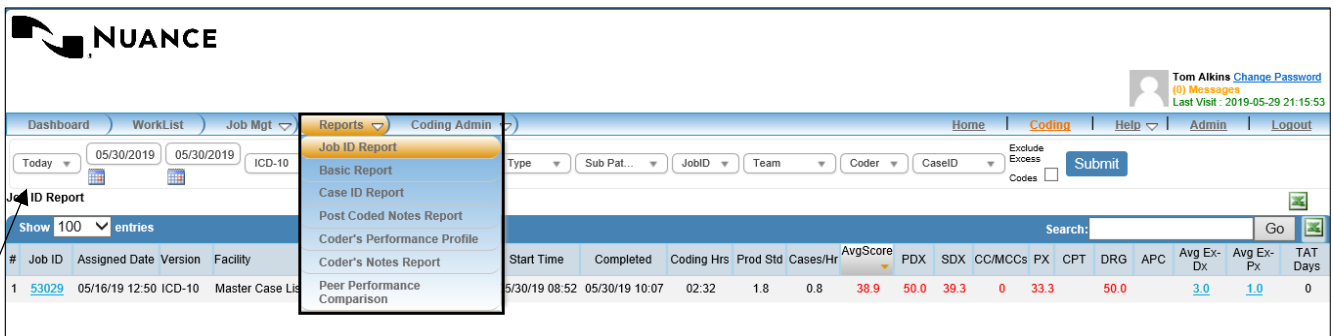


Figure: 11 Reports

## Job ID Report

This report shows the information regarding a job (Case/s) that has been assigned to a coder or a group. When a case is assigned, a unique Job ID is automatically created. This Job ID can be unique for a single coder who has cases assigned to them or multiple selected coders such as a **Team**.

1. Select **Job ID Report** under Reports
2. Select a Relative date range or a specific date range



Relative Date Range

Figure: 12 Job ID Report

### 3. Select a Facility

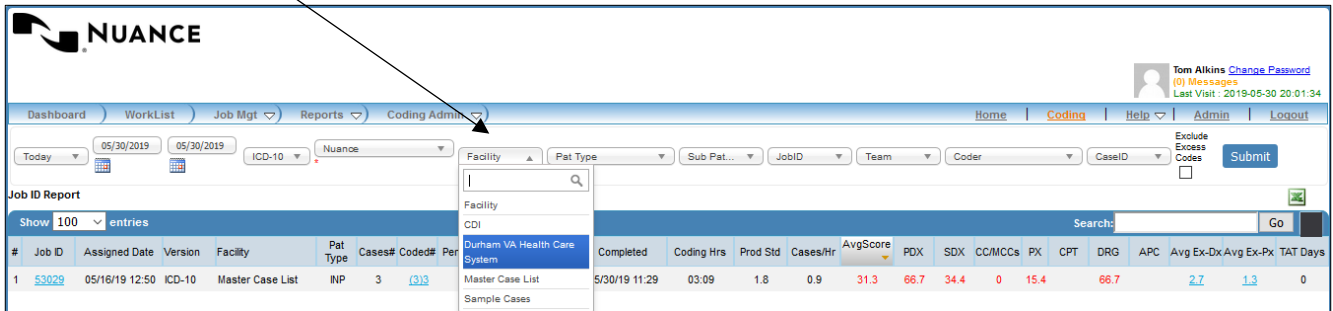


Figure: 13 Facility

**Note** A default Facility may be the only option in the field, in which case a selection is not necessary

### 4. Select Submit

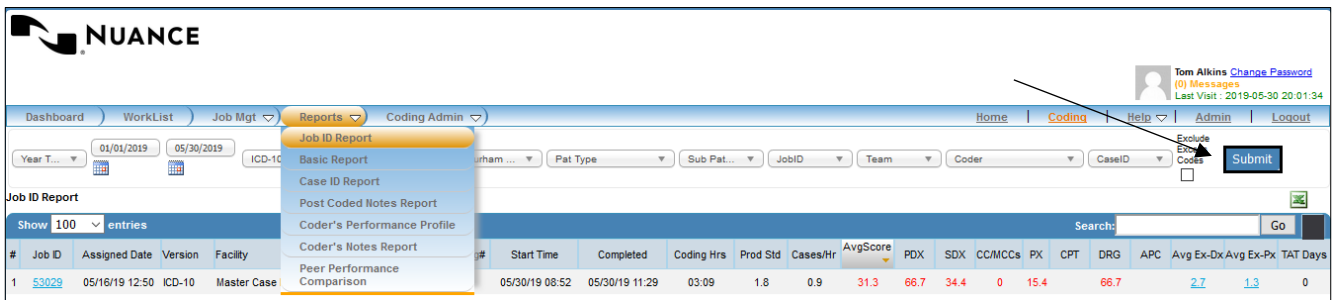


Figure: 14 Submit

- All cases that meet the report criteria populate the report grid
- The report selection displays directly beneath the Relative Date field

**Note** Selecting the Excel icon will open the report grid into an Excel spreadsheet

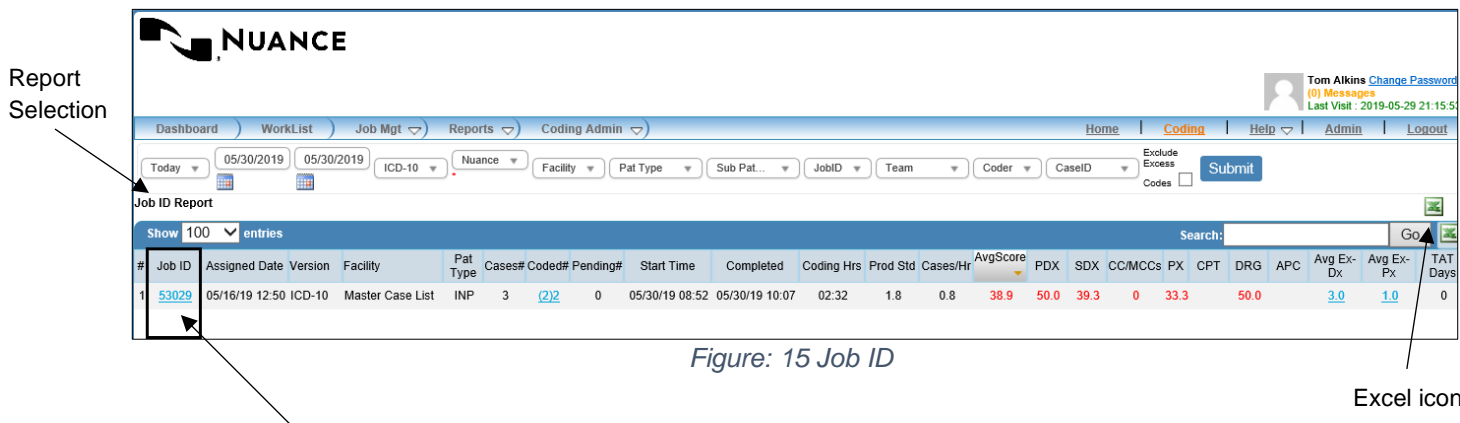


Figure: 15 Job ID

- Click on the blue numeric link to view coded cases
  - Cases Score & Excess Count** screen will appear showing coded cases
  - Click on any of the three outlined columns to view additional details

Cases Score & Excess Count Job ID: 53029

Show 100 entries Search:  Go

#	Coder	Assigned	Version	PatType	Cases	Coded	Pending	Start Time	Completed	Job Avg	Avg Score	PDX	SDX	CC/MCCs	PX	DRG	Avg Ex-Dx	Avg Ex-Px	TAT Days
1	Sam McCollough - smccollough	05/16/19 12:50	ICD-10	INP	3	<a href="#">2</a>	1	05/30/19 08:52	05/30/19 10:07	25.9	38.9	50.0	39.3	0	33.3	50.0	<a href="#">3.0</a>	<a href="#">1.0</a>	0

Showing 1 to 1 of 1 entries First Previous 1 Next Last

Figure: 16 Cases Score and Excess Count

6. Select the numeric link in the **Coded** column
  - a. Each coded case will display

Cases Score & Excess Count Coded: 2

Show 100 entries Search:  Go

#	Coder	CaseID	PatType	Score(%)	Coding Hrs	Prod Std	PDX	SDX	CC/MCCs	PX	DRG	Avg Ex-Dx	Avg Ex-Px	Coded Date
1	Sam McCollough - smccollough	INP14603	INP	66.7	01:19	1.8	0	100	-	66.7	0	<a href="#">2.0</a>	0	05/30/19 08:52
2	Sam McCollough - smccollough	INP14625	INP	33.3	01:12	1.8	100	34.6	0	0	100	<a href="#">4.0</a>	<a href="#">2.0</a>	05/30/19 10:07

Showing 1 to 2 of 2 entries First Previous 1 Next Last

Figure: 17 Cases Score and Excess Count

7. Select the numeric link in the **Avg Ex-Dx or Avg Ex-Px** column
  - a. The number of excessive diagnosis or procedure codes displays
  - b. The average score for each case displays

Show 100 entries Search:  Go

#	Coder	CaseID	PatType	Score%	Med Service	E-DX	X-DX
1	Sam McCollough - smccollough	INP14625	INP	33.3	Infectious Disease	4	0

Showing 1 to 1 of 1 entries First Previous 1 Next Last

Figure: 18 Score



8. Select the **Medical Record** icon
  - a. Overall score summary displays
  - b. Correct, incorrect or possibly inaccurate or excessive codes display
  - c. Access to the Medical Record is on the right side

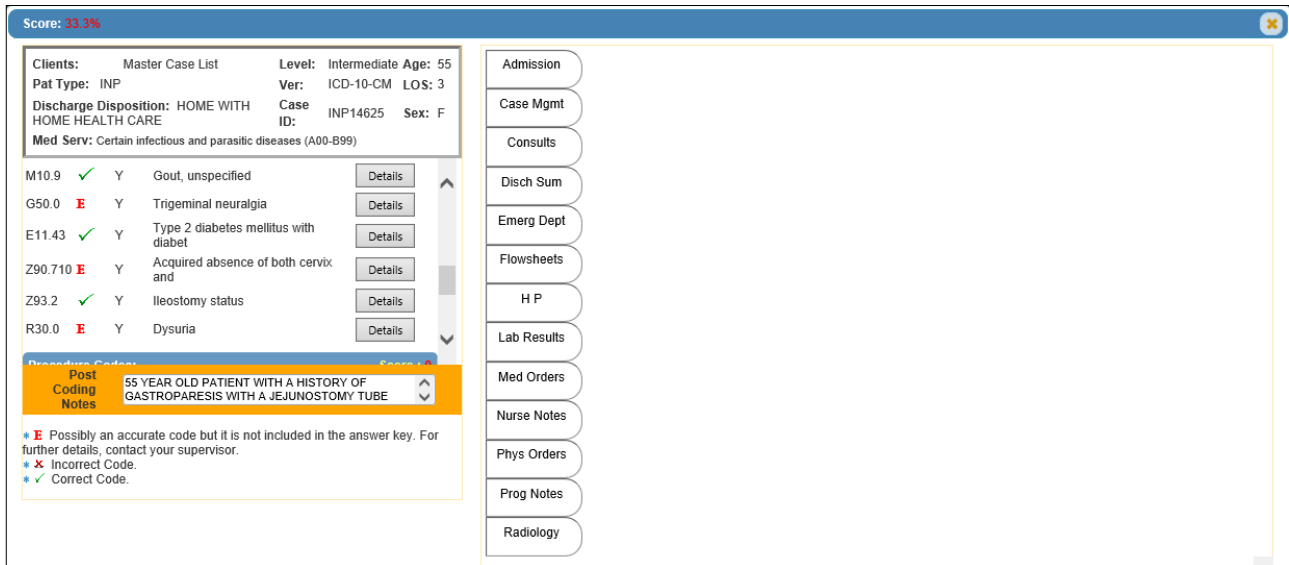


Figure: 19 Medical Record Display

## Basic Report

The Basic Report displays individual cases that were coded at a basic level by the coder within a specific or relative date range.

1. Select **Basic Report** under Reports
2. Select a Relative date range, or a specific date range
3. Select a **Facility**
4. Select **Submit**
5. Click on **Score** percentage

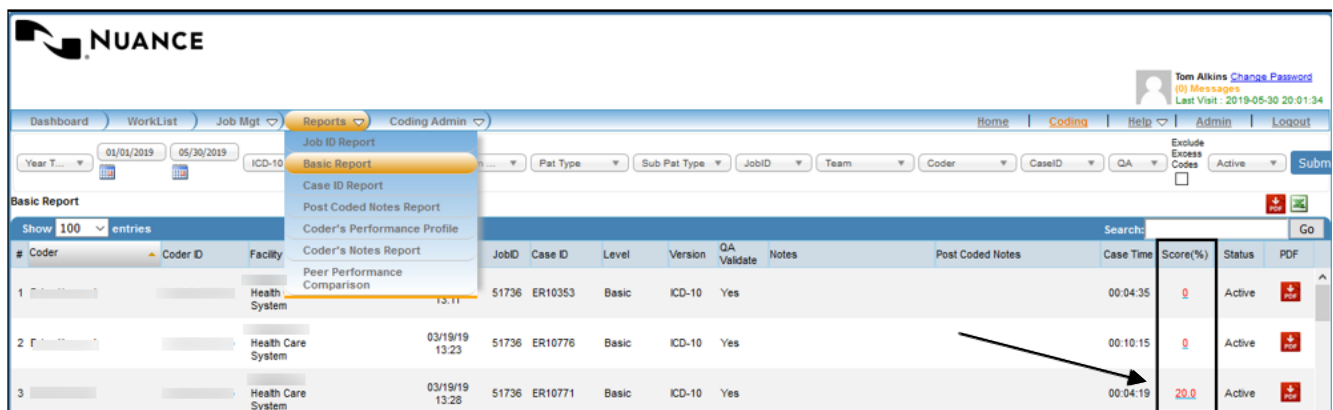


Figure: 20 Basic Report

- a. **Coder's Answers & Answer Key** displays for review
- b. Click **Genie Bottle** icon to display code rationale

Figure: 21 Coder's Answers & Answer Key

## Case ID Report

The Case ID Report displays each Case in detail.

1. Select **Case ID Report** under Reports
2. Select a Relative date range or a specific date range
3. Select a **Facility**
4. Select **Submit**
5. Select the numeric link in the **Coded#** column
  - a. Click on any of the four outlined columns to view additional details
  - b. **Cases Score & Excess Count** screen displays each coded case

# Case ID	Version	Facility	Pat Type	Completed	Coding Hrs	Prod Std	Cases/Hr	AvgScore	PDX	SDX	CC/MCCs	PX	CPT	DRG	APC	Avg Ex-Dx	Avg Ex-Px	TAT Days	Status	
1 OPD1187	ICD-10	Durham VA Health Care System	OPD	01/13/19 15:07	00:04	20	13.3	100	100	100	-	-	-	-	-	0	0	0	Active	
2 AMBS9713	ICD-10	Durham VA Health Care System	AMBS	1	(111)	03/13/19 14:15	03/13/19 14:15	00:26	7	2.3	100	-	-	-	100	-	0	0	0	Active
3 ER10383	ICD-10	Durham VA Health Care System	ER	1	(111)	03/14/19 14:28	03/14/19 14:28	00:21	9	2.7	50.0	100	0	-	50.0	-	1.0	0	0	Active
4 OPD1185	ICD-10	Durham VA Health Care System	OPD	14	(717)	01/13/19 14:26	03/27/19 15:04	01:11	20	5.9	48.2	85.7	-	-	0	-	0.1	0	73	Active

Figure: 22 Case ID Report

**Note** The value inside the bracket ( ) represents the Number of cases coded in the selected date range, and the value outside of bracket represents the Total number of times a case is coded.

## Post Coded Notes Report

The Post-Coded Notes is a section for the coder to enter any concerns regarding the codes in the Answer Key at the time of the completion of a case. They may also note if there is an opportunity for a query. The cases with Post Coded Notes will show in this report. By default, the report will display a list of all the coders and their added post coded notes.

1. Select **Post Coded Notes Report** under Reports
2. Select a Relative date range, or a specific date range using the optional calendar icons
3. Select a **Facility**
4. Select **Submit**

#	Coder	Coder ID	Facility	Team	Coded Date	JobID	Case ID	Level	Version	QA Validate	Notes	Post Coded Notes	Case Time	Score(%)	Status
1	Jason V	JasonW			01/14/19 14:09	51899	OPD1133	Basic	ICD-10	Yes	INSUFFIC DOCUM	NO DOCUM FOR HYPERLIPDEIMIA	00:05:43	18.7	Active
2	Jason	JasonW			03/14/19 14:28	51816	ER10383	Basic	ICD-10	Yes	I AM NOT SURE IF I SHOULD CAPTURE THE EKG	IDINT KNOW TO CAPTURE THE 30000 CODE	00:21:56	50.0	Active
3					03/19/19 14:14	51738	AMBS19822	Basic	ICD-10	Yes		I DO NOT AGREE WITH DX CODE SELECTION, D35.1 INDICATES CODE USE ADDITIONAL CODE TO IDENTIFY ANY FUNCTIONAL ACTIVITY; LEVELS WERE HIGH/R PER. I COULDN'T GET TO ABSTRACT WHICH WOULD'VE SHOWN LATERALTY NOT APPLICABLE. HEMORRHAGE DOCUMENTED. HORMONE TESTING WAS DONE IN-OP, WOULD'VE CODED THEM.	00:12:08	16.7	Active
4					03/26/19 13:50	51738	AMBS19823	Basic	ICD-10	Yes		DOCUMENTATION STATES APPENDECTOMY ON TUESDAY, APPENDECTOMY HAS A 90 DAY GLOBAL -70 MODIFIER IS APPROPRIATE. NOT SURE ON ALL THE ERRORS OF SECONDARY DIAGNOSES. IM TRYING TO FOLLOW THE PROCESS THIS	00:39:25	12.5	Active

Figure: 23 Post Coded Notes Report

## Coder's Performance Profile

A summary of all the data elements that are captured and calculated when a coder is utilizing the Central Learning application. This report will reflect weaknesses and strengths for all coders using Central Learning application and allow them the ability to correct and improve based on the data displayed.

1. Select **Coder's Performance Profile** under Reports
2. Select a Relative date range, or a specific date range
3. Select a **Facility**
4. Select **Submit**

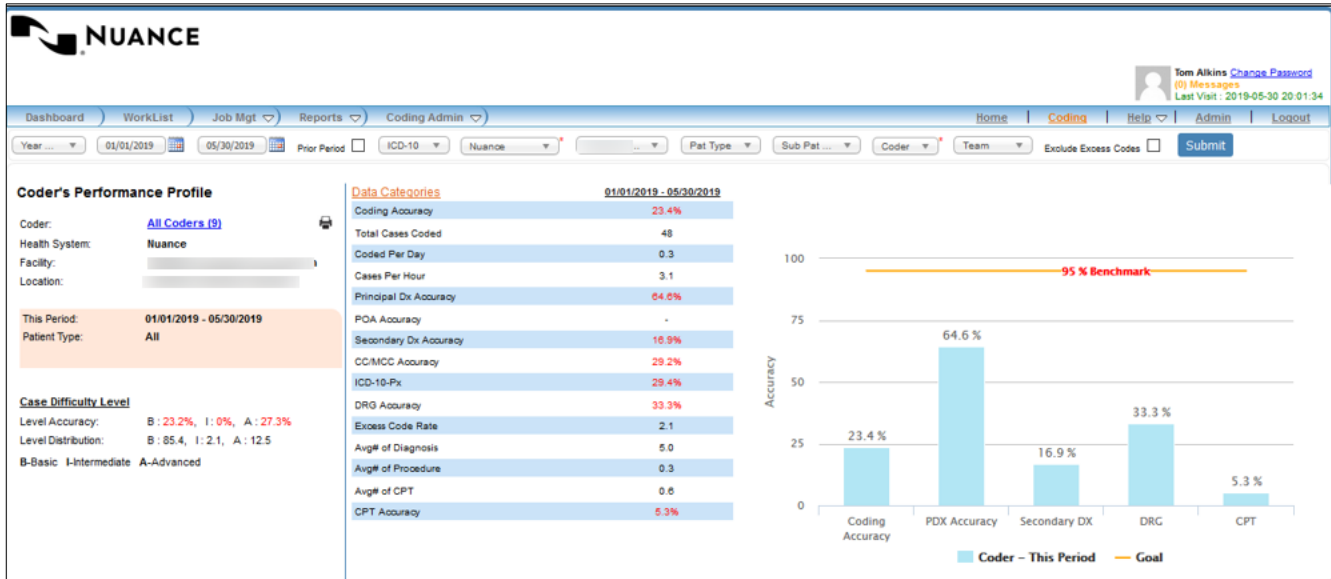


Figure: 24 Coder's Performance Profile

**Code Accuracy by Diagnosis(Dx) Category**

Category	Cases	01/01/2019 - 05/30/2019
CERTAIN INFECTIOUS AND PARASITIC DISEASES (A00-B99)	8	42.9%
NEOPLASMS (C00-D49)	3	60.7%
DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS..	4	16.7%
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES (E00-E89)	12	34.2%
MENTAL, BEHAVIORAL AND NEURODEVELOPMENTAL DISORDERS (F01-F99)	14	17.9%
DISEASES OF THE NERVOUS SYSTEM (G00-G99)	5	0%
DISEASES OF THE EYE AND ADNEXA (H00-H59)	3	0%
DISEASES OF THE EAR AND MASTOID PROCESS (H60-H95)	1	0%
DISEASES OF THE CIRCULATORY SYSTEM (I00-I99)	18	24.1%
DISEASES OF THE RESPIRATORY SYSTEM (J00-J99)	12	47.1%
DISEASES OF THE DIGESTIVE SYSTEM (K00-K95)	7	35.7%
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE (L00-L99)	12	55.6%
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M9..	9	8.3%
DISEASES OF THE GENITOURINARY SYSTEM (N00-N99)	4	18.2%
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES..	1	0%
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT E..	9	6.3%
INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES ..	16	56.3%
EXTERNAL CAUSES OF MORBIDITY (V00-Y99)	11	4.8%
FACTORS INFLUENCING HEALTH STATUS AND CONTACT WITH HEALTH SERVICES (...)	19	8.1%

Figure: 25 Coder Accuracy by Diagnosis

**Code Accuracy by Procedure(Px) Category - Sub Category**

Category	Cases	01/01/2019 - 05/30/2019
MEDICAL AND SURGICAL (0) - [ANATOMICAL REGIONS, LOWER EXTREMITIES (0Y)]	1	0%
MEDICAL AND SURGICAL (0) - [GASTROINTESTINAL SYSTEM (0D)]	1	50.0%
MEDICAL AND SURGICAL (0) - [LOWER ARTERIES (04)]	1	66.7%
MEDICAL AND SURGICAL (0) - [LOWER VEINS (06)]	1	0%
MEDICAL AND SURGICAL (0) - [SKIN AND BREAST (0H)]	1	0%
MEDICAL AND SURGICAL (0) - [URINARY SYSTEM (0T)]	1	0%
ADMINISTRATION (3) - [CIRCULATORY (30)]	1	100%
MEASUREMENT AND MONITORING (4) - [PHYSIOLOGICAL SYSTEMS (4A)]	1	0%
IMAGING (B) - [HEART (B2)]	1	0%
IMAGING (B) - [LOWER ARTERIES (B4)]	1	0%

**Code Accuracy by CPT Category**

Category	Cases	01/01/2019 - 05/30/2019
EVALUATION & MANAGEMENT (99201-99499)	30	16.7%
HCPCS II (A000-V5999)	1	0%
MEDICINE (90281-99607)	3	0%
PATHOLOGY & LABORATORY (80047-89398)	1	0%
RADIOLOGY (70010-79999)	1	0%
SURGERY (10021-89990)	8	12.5%

Figure: 26 Coder Accuracy by Procedure & CPT

## Coder's Notes Report

The Coder's Notes is a section for the coder to enter any concerns regarding the codes **while** they are coding. These notes are added before the coder submitted their answers.

1. Select **Coder's Notes** under Reports
2. Select a Relative date range, or a specific date range
3. Select a **Facility**
4. Select **Submit**

## Peer Performance Comparison

A summary of all the data elements that are captured and calculated when a coder is utilizing the Central Learning application. This report will reflect weaknesses and strengths for the individual coder running the report and allow him/her the ability to compare scores with their peers who are using Central Learning application and view the opportunity for improvement that is possible.

1. Select **Peer Performance Comparison** under Reports
2. Select a Relative date range, or a specific date range
3. Select a **Facility**
4. Select **Submit**

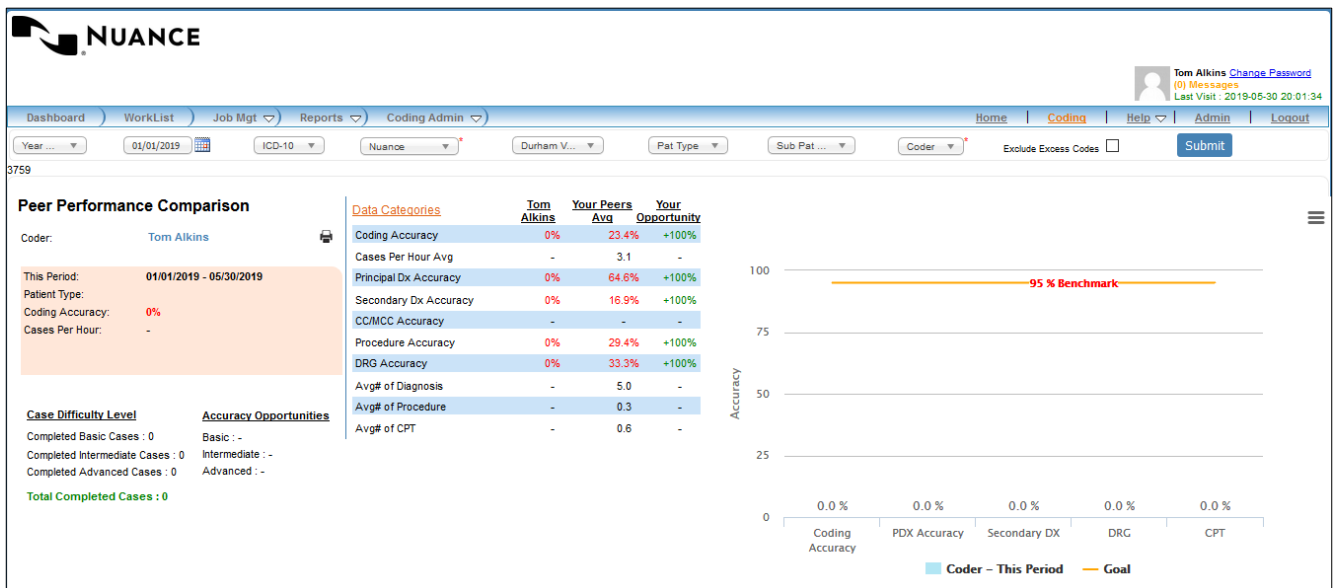


Figure: 27 Peer Performance Comparison

Code Accuracy by Diagnosis(Dx) Category	Tom	Your Peers Avg	Your Opportunity
CERTAIN INFECTIOUS AND PARASITIC DISEASES (A00-B99)	-	42.9%	+100%
NEOPLASMS (C00-D49)	-	66.7%	+100%
DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS..	-	16.7%	+100%
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES (E00-E89)	-	34.2%	+100%
MENTAL, BEHAVIORAL AND NEURODEVELOPMENTAL DISORDERS (F01-F99)	-	17.9%	+100%
DISEASES OF THE NERVOUS SYSTEM (G00-G99)	-	0%	+100%
DISEASES OF THE EYE AND ADNEXA (H00-H59)	-	0%	+100%
DISEASES OF THE EAR AND MASTOID PROCESS (H60-H95)	-	0%	+100%
DISEASES OF THE CIRCULATORY SYSTEM (I00-I99)	-	24.1%	+100%
DISEASES OF THE RESPIRATORY SYSTEM (J00-J99)	-	47.1%	+100%
DISEASES OF THE DIGESTIVE SYSTEM (K00-K95)	-	35.7%	+100%
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE (L00-L99)	-	55.6%	+100%
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M9..	-	8.3%	+100%
DISEASES OF THE GENITOURINARY SYSTEM (N00-N99)	-	18.2%	+100%
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES..	-	0%	+100%
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT E..	-	6.3%	+100%
INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES ..	-	56.3%	+100%
EXTERNAL CAUSES OF MORBIDITY (V00-Y99)	-	4.8%	+100%
FACTORS INFLUENCING HEALTH STATUS AND CONTACT WITH HEALTH SERVICES (..	-	8.1%	+100%

Figure: 28 Coder Accuracy by Diagnosis w/Peer Comparison

Code Accuracy by Procedure(Px) Category - Sub Category	Tom	Your Peers Avg	Your Opportunity
MEDICAL AND SURGICAL (0) - [ANATOMICAL REGIONS, LOWER EXTREMITIES (0Y)]	-	0%	+100%
MEDICAL AND SURGICAL (0) - [GASTROINTESTINAL SYSTEM (0D)]	-	50.0%	+100%
MEDICAL AND SURGICAL (0) - [LOWER ARTERIES (04)]	-	66.7%	+100%
MEDICAL AND SURGICAL (0) - [LOWER VEINS (06)]	-	0%	+100%
MEDICAL AND SURGICAL (0) - [SKIN AND BREAST (0H)]	-	0%	+100%
MEDICAL AND SURGICAL (0) - [URINARY SYSTEM (0T)]	-	0%	+100%
ADMINISTRATION (3) - [CIRCULATORY (30)]	-	100%	+100%
MEASUREMENT AND MONITORING (4) - [PHYSIOLOGICAL SYSTEMS (4A)]	-	0%	+100%
IMAGING (B) - [HEART (B2)]	-	0%	+100%
IMAGING (B) - [LOWER ARTERIES (B4)]	-	0%	+100%

Code Accuracy by CPT Category	Tom	Your Peers Avg	Your Opportunity
EVALUATION & MANAGEMENT (99201-99499)	-	16.7%	+100%
HCPCS II (A000-V5999)	-	0%	+100%
MEDICINE (90281-99607)	-	0%	+100%
PATHOLOGY & LABORATORY (80047-89398)	-	0%	+100%
RADIOLOGY (70010-79999)	-	0%	+100%
SURGERY (10021-69990)	-	12.5%	+100%

Figure: 29 Coder Accuracy by Procedure & CPT w/Peer Comparison

## Dashboard

The dashboard screen of Central Learning is the landing page for most Managers when they log into the application. Within the dashboard, there are several different filters and tabs that display Accuracy and Productivity data in multiple formats. The data itself comes from the submission of codes from a coder after they have completed coding a case. The data is stored, calculated and displayed to the user through various types of reporting tools based on the dashboard filters and tabs the user is currently viewing.

### Dashboard Filters

Filters are used to customize the data that will be displayed within Central Learning. There are five filters Period (Date Range), Code Type, Health System (Organization), Facility, Patient Type.

### Filters

- **Period** - Report date range can be chosen from the dropdown list of choices; today, yesterday, this week, year to date or manually customizing the date range by selecting a **From** and **To** date.
- **Code Type** - ICD-10 is the default Code type.
- **Health System** – Name of the Organization
- **Facility** – List of each facility that belongs to the Health System.
- **Patient Type** – Selection of Inpatient, Ambulatory Surgery, Emergency

1. Select a **Period**, or a relative date range or specific date range
2. Select a **Facility**, if necessary
3. Select a **Patient Type**
4. Select **Submit**

**Note Excess Codes** are not part of an Answer Key but have been added by a coder while coding a case. Selecting **Exclude Excess Codes** is not recommended.

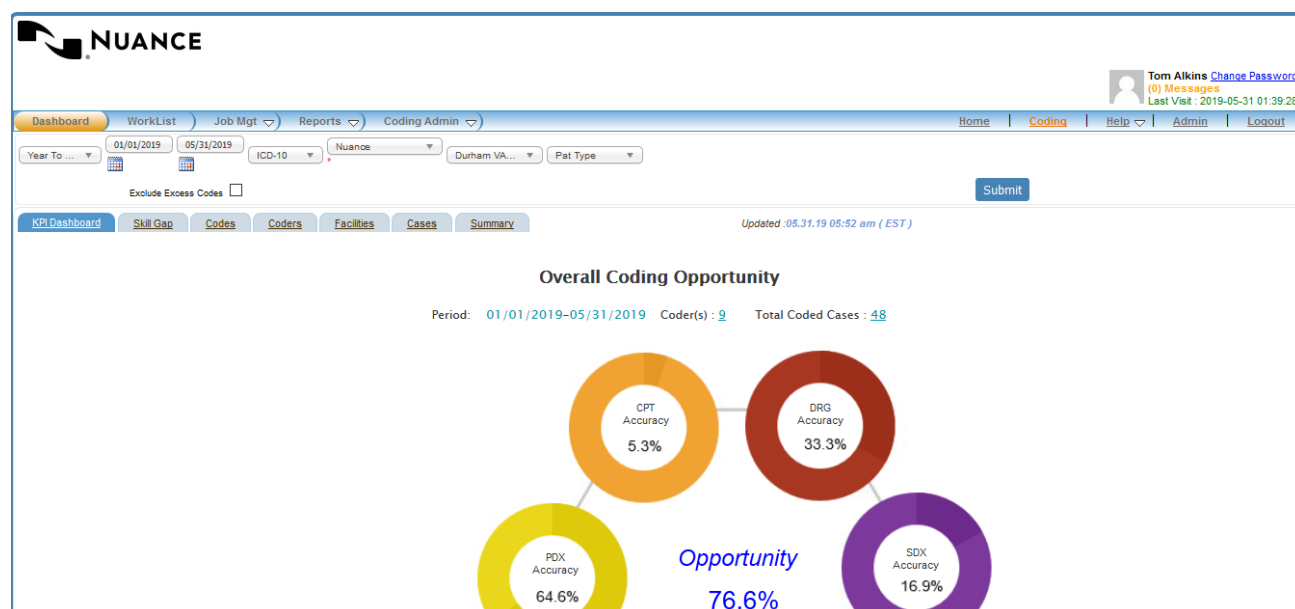


Figure: 30 Dashboard

## Dashboard Tabs

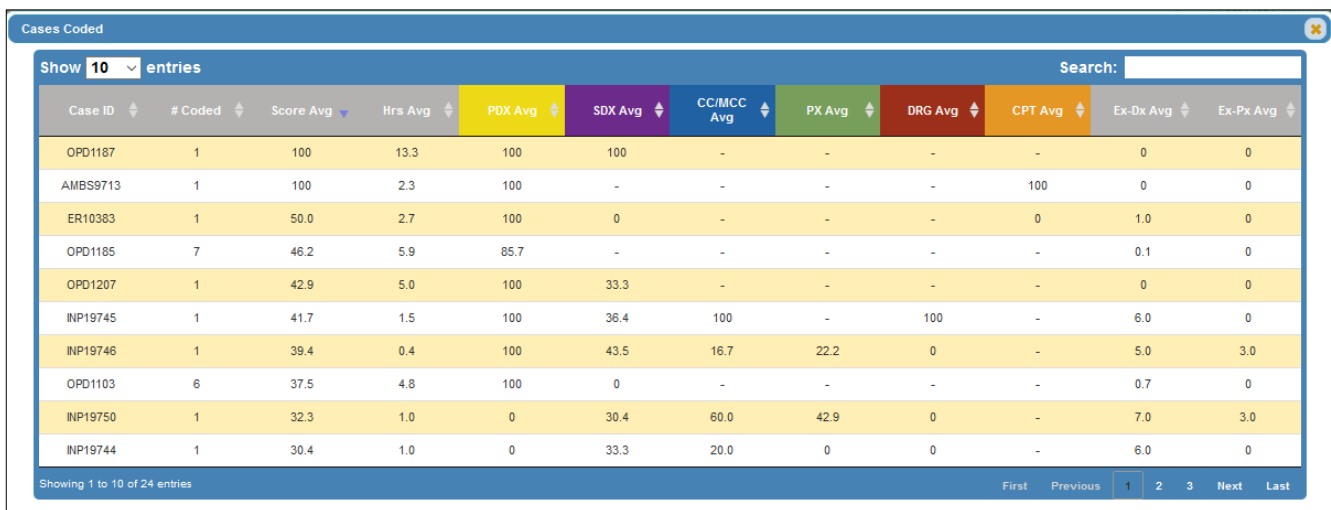
The dashboard tabs take the data shown in the graph and organizes the data into different report views based on the specific type of criteria the user is looking for.

There are 6 different tabs in addition to the tab labeled **KPI Dashboard**.

- **Skill Gap** – Default user view showing a graph with overall coding data
- **Codes** – Data is displayed by Code Categories
- **Coders** – Data is displayed by Coders showing the individuals accuracy and productivity
- **Facilities** – Data is displayed by the Facility type showing statistics for the facility
- **Cases** – Data is displayed by Cases as a group statistic
- **Summary** – Data is displayed using bar graphs on the coder's productivity and accuracy

## KPI Dashboard Tab

1. Click on any of the coding opportunity icons
2. View detailed data in the Cases Coded screen



Case ID	# Coded	Score Avg	Hrs Avg	PDX Avg	SDX Avg	CC/MCC Avg	PX Avg	DRG Avg	CPT Avg	Ex-Dx Avg	Ex-Px Avg
OPD1187	1	100	13.3	100	100	-	-	-	-	0	0
AMBS9713	1	100	2.3	100	-	-	-	-	100	0	0
ER10383	1	50.0	2.7	100	0	-	-	-	0	1.0	0
OPD1185	7	46.2	5.9	85.7	-	-	-	-	-	0.1	0
OPD1207	1	42.9	5.0	100	33.3	-	-	-	-	0	0
INP19745	1	41.7	1.5	100	36.4	100	-	100	-	6.0	0
INP19746	1	39.4	0.4	100	43.5	16.7	22.2	0	-	5.0	3.0
OPD1103	6	37.5	4.8	100	0	-	-	-	-	0.7	0
INP19750	1	32.3	1.0	0	30.4	60.0	42.9	0	-	7.0	3.0
INP19744	1	30.4	1.0	0	33.3	20.0	0	0	-	6.0	0

Figure: 31 KPI Dashboard

## Skill Gap Tab

1. Click on **Skill Gap** link
2. Click **INP** to display Inpatient accuracy
3. Click **AMBS** to display Ambulatory Surgery accuracy
4. Click **ER** to display Emergency Department accuracy
5. Click **OPD** to display Outpatient Clinic accuracy
6. Click **Diagnosis** to display Diagnosis category accuracy
7. Click **Procedure** to display Procedure category accuracy
8. Click **CPT** to display CPT category accuracy



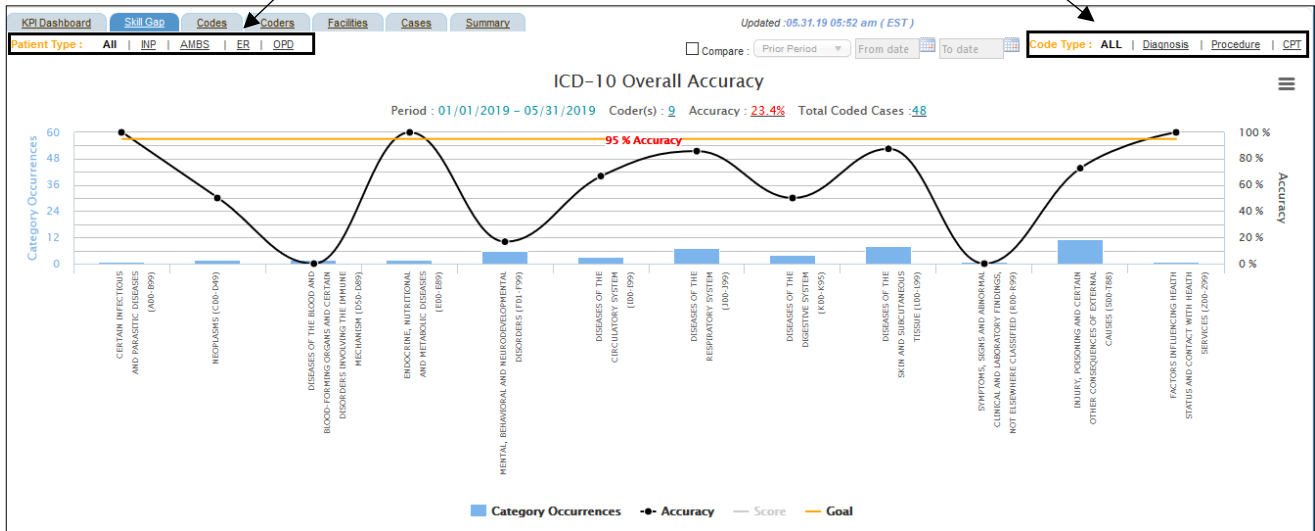


Figure: 32 Skill Gap

**Note** Hover over any of the Category Occurrences, Coder, Accuracy or Total Coded Cases for detailed information

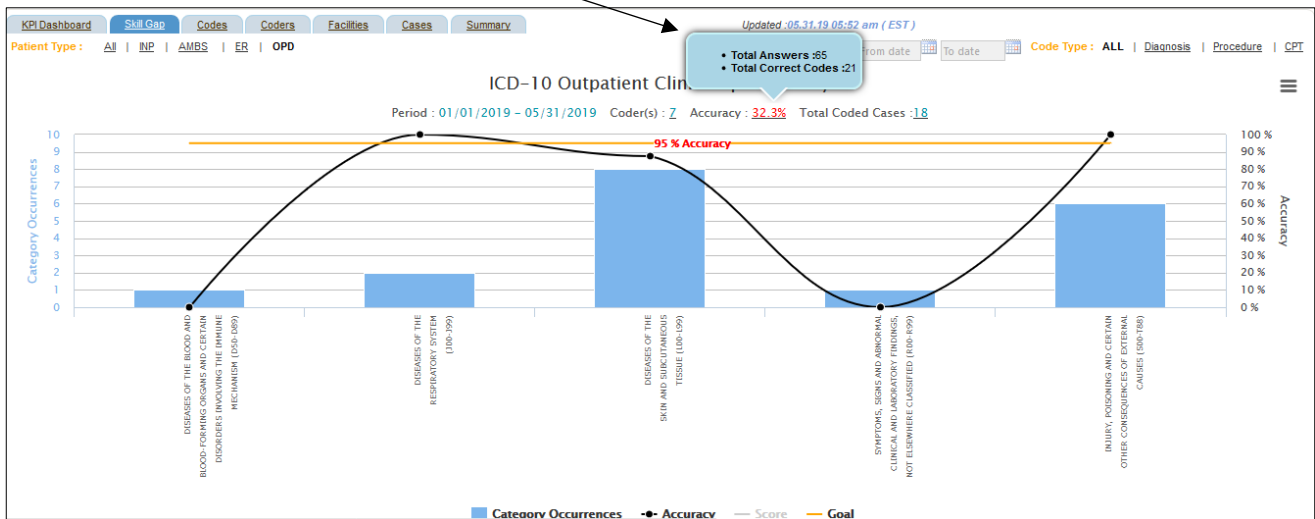


Figure: 33 Skill Gap Detailed Accuracy

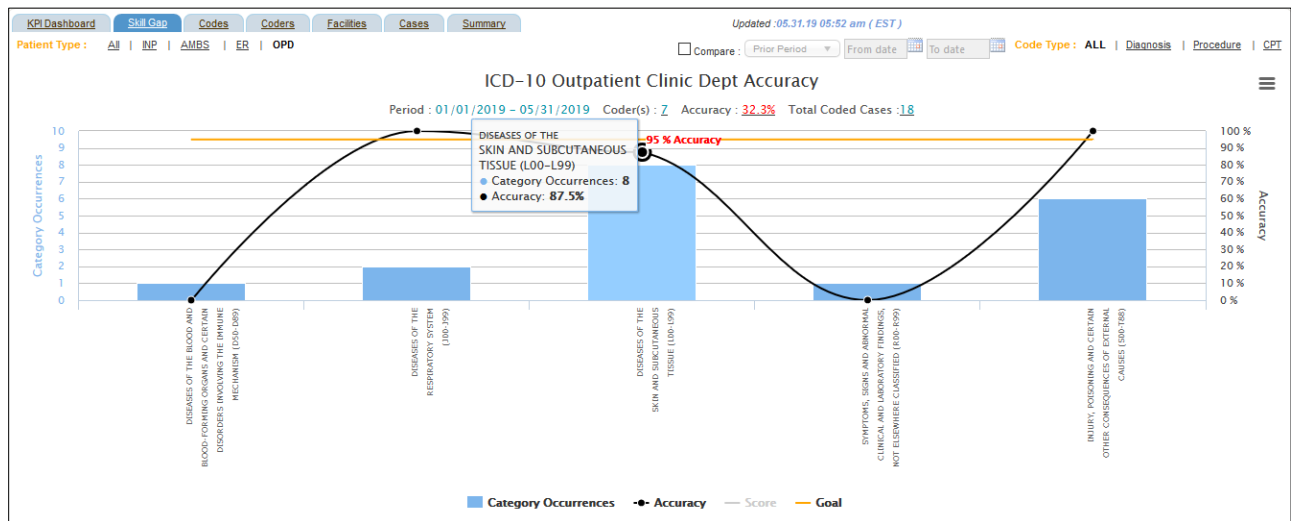


Figure: 34 Skill Gap Detailed Category Occurrence

There are four sections at the bottom of the graph where more specific data can be viewed.

Category			Sub Category			Code Category			Code		
TOP 5		Bottom 5	TOP 5		Bottom 5	TOP 5		Bottom 5	TOP 5		Bottom 5
#Category	Cases %	#Category	Cases %	#Category	Cases %	#Category	Cases %	#Category	Cases %	#Code	Cases %
1	DISEASES OF THE RESPIRATORY SYSTEM (J00-J99)	6	100	1	INJURIES TO THE AB	6	100	1	SUPERFIC INJ ABDQI	6	100
2	DISEASES OF THE RE	2	100	2	CHRONIC LOWER RE	1	100	2	ASTHMA (J45)	1	100
3	DISEASES OF THE SI	8	87.5	3	ACUTE UPPER RESPI	1	100	3	ACUTE SINUSITIS (J0	1	100
4	SYMPTOMS, SIGNS	1	0	4	DERMATITIS AND EC	8	87.5	4	OTHER AND UNSPEC	8	87.5
5	DISEASES OF THE BI	1	0	5	SYMPTOMS AND SIG	1	0	5	VITAMIN B12 DEFICIE	1	0

Figure: 35 Skill Gap Detailed Case Data

1. Click a **Category** link
  - a. Applicable sub-category will display
2. Click a **Sub-Category**
  - a. Applicable code category will display

#	Sub Category	Cases	Accuracy	PDX(%)	Cases	SDX(%)	Cases
1	<a href="#">ACUTE UPPER RESPIRATORY INFECTIONS (J00-J06)</a>	1	100	100	(1)1	-	(0)0
2	<a href="#">CHRONIC LOWER RESPIRATORY DISEASES (J40-J47)</a>	1	100	100	(1)1	-	(0)0

Figure: 36 Skill Gap Sub-Category

3. Click a **Code Category**
  - a. Applicable code(s) will display

Showing 100 entries

Search:  Go

#	Code Category	Cases	Accuracy	PDX(%)	Cases	SDX(%)	Cases
1	<a href="#">ACUTE SINUSITIS (J01)</a>	1	100	100	(1)1	-	(0)0

Showing 1 to 1 of 1 entries

First Previous 1 Next Last

Figure: 37 Skill Gap Code Category

ACUTE SINUSITIS (J01)

Showing 100 entries

Search:  Go

#	DX	Description	Cases	Accuracy	PDX(%)	Cases	SDX(%)	Cases
1	J01.90	Acute sinusitis, unspecified	1	100	100	(1)1	-	(0)0

Showing 1 to 1 of 1 entries

First Previous 1 Next Last

Figure: 38 Skill Gap Code

1. Click **Category** bar graph icon to see category data
2. Click **Sub-Category** bar graph icon to see sub-category data
3. Click **Code Category** bar graph icon to see code category data
4. Click **Code** bar graph icon to see code data

Category				Sub Category				Code Category				Code							
TOP 5		Bottom 5		TOP 5		Bottom 5		TOP 5		Bottom 5		TOP 5		Bottom 5					
#Category	Cases	%	#Category	Cases	%	#Category	Cases	%	#Category	Cases	%	#Code	Cases	%	#Code	Cases	%		
1	DISEASES OF THE RESPIRATORY SYSTEM (J00-J99)	1	0	1	INJURIES TO THE AB	6	100	1	NUTRITIONAL ANEM	1	0	1	HEMORRHAGE FRO	1	0	1	D51.0	1	0
2	DISEASES OF THE RI	2	100	2	SYMPTOMS, SIGNS /	1	0	2	CHRONIC LOWER RE	1	100	2	ASTHMA (J45)	1	100	2	VITAMIN B12 DEFIC	1	0
3	DISEASES OF THE SI	8	87.5	3	DISEASES OF THE SI	8	87.5	3	ACUTE UPPER RESPI	1	100	3	DERMATITIS AND EC	8	87.5	3	OTHER AND UNSPEC	8	87.5
4	SYMPTOMS, SIGNS /	1	0	4	INJURY, POISONING /	8	100	4	DERMATITIS AND EC	8	87.5	4	INJURIES TO THE AR	8	100	4	OTHER AND UNSPEC	8	87.5
5	DISEASES OF THE BI	1	0	5	DISEASES OF THE RI	2	100	5	SYMPTOMS AND SIG	1	0	5	ACUTE UPPER RESPI	1	100	5	VITAMIN B12 DEFIC	1	0

Figure: 39 Skill Gap Detailed Data

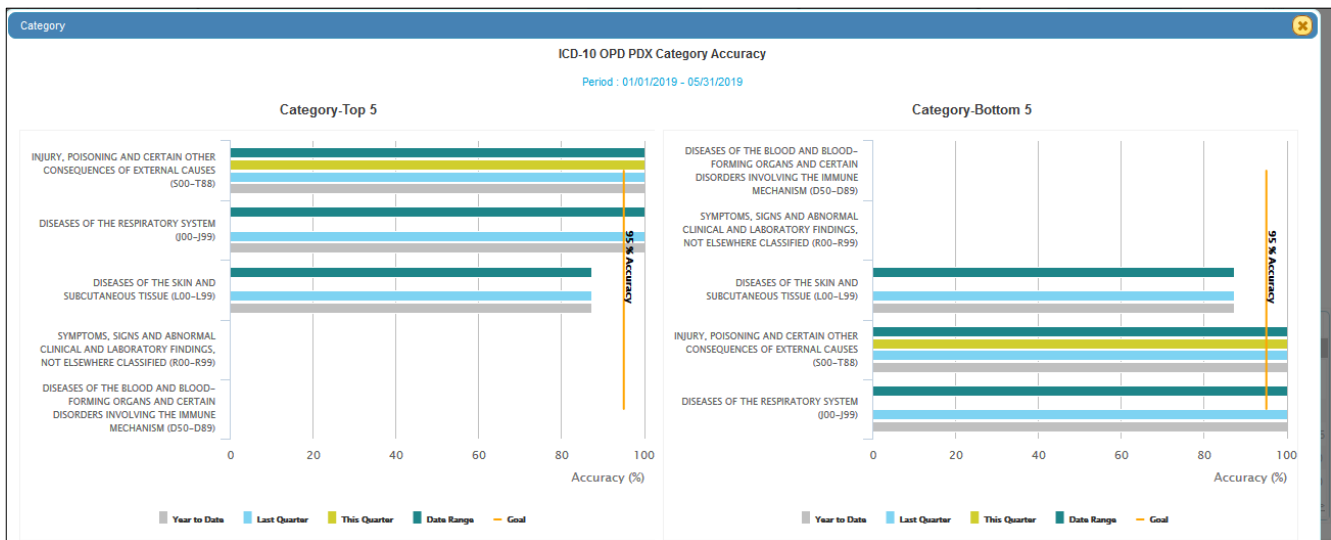


Figure: 40 Bar Graph Data

## Codes Tab

The user can see all the codes that were used within the specific time frame selected. There are 3 tables; Category, Sub-Category, and Code Category which are then further classified into (DX, PX and CPT). DX, PX, and CPT will only be listed if the code was recorded in the Answer Key.

1. Click on **Codes** link
  - a. Detailed DX, PX and CPT data is displayed

#	DX	Description	Cases	Accuracy	PDX(%)	Cases SDX(%)	Cases
1	A41.9	SEPSIS, UNSPECIFIED ORGANISM	1	100	100	(1)1	(0)
2	B02.29	OTHER POSTHERPETIC NEUROUS I	1	100	-	(0)0	100
3	B96.62	METHICLLIN RESISTANT STAPHYLI	1	100	-	(0)0	100
4	D12.5	BENIGN NEOPLASM OF SIGMOID CI	1	100	-	(0)0	100
5	D35.1	BENIGN NEOPLASM OF PARATHYR	1	100	100	(1)1	(0)
6	D62	ACUTE POSTHEMORRHAGIC ANEM	1	100	-	(0)0	100
7	E11.52	TYPE 2 DIABETES MELLITUS WITH	2	100	100	(2)2	(0)
8	E11.69	TYPE 2 DIABETES MELLITUS WITH	1	100	-	(0)0	100
9	E21.3	HYPERPARATHYROIDISM, UNSPEC	1	100	-	(0)0	100
10	E55.9	VITAMIN D DEFICIENCY, UNSPECIF	1	100	-	(0)0	100
11	E83.39	OTHER DISORDERS OF PHOSPHOR	1	100	-	(0)0	100

#	PX	Description	Cases	Accuracy	PDX(%)	Cases
1	04753ZZ	DILATION OF LEFT POSTERIOR TIBIAL AR	1	100	(1)1	(1)1
2	047U3ZZ	DILATION OF LEFT PERONEAL ARTERY, P	1	100	(1)1	(1)1
3	005H8ZZ	DESTRUCTION OF CECUM, VIA NATURAL	1	100	(1)1	(1)1
4	00B8ZZ	EXCISION OF SIGMOID COLON, VIA NATU	1	100	(1)1	(1)1
5	30233N1	TRANSFUSION OF NONAUTOLOGOUS RE	1	100	(1)1	(1)1
6	041109Q	BYPASS LEFT PULTEAL ARTERY TO LC	1	0	(0)1	(0)1
7	06B0QZZ	EXCISION OF LEFT SAPHENOUS VEIN, OP	1	0	(0)1	(0)1
8	00B8ZZ	EXCISION OF RECTUM, VIA NATURAL OR	1	0	(0)1	(0)1
9	00J08ZZ	INSPECTION OF UPPER INTESTINAL TRAC	1	0	(0)1	(0)1
10	0H00XZZ	TRANSFER LEFT FOOT SKIN, EXTERNAL	1	0	(0)1	(0)1
11	0T803ZX	EXCISION OF RIGHT KIDNEY, PERCUTANE	1	0	(0)1	(0)1
12	0Y80Z29	DETACHMENT AT LEFT FOOT, PARTIAL IS	1	0	(0)1	(0)1

#	CPT	Description	Cases	Accuracy	CPT(%)	Cases
1	49505	RRR 1ST NGUN HRINA AGE 5 YRS> REDI	1	100	(1)1	(1)1
2	99283	EMERGENCY DEPARTMENT VISIT MODER.	1	100	(1)1	(1)1
3	99282	EMERGENCY DEPARTMENT VISIT LOW/M	13	30.8	(4)13	(0)1
4	36415	COLLECTION, VENOUS BLOOD, VENIPUN	1	0	(0)1	(0)1
5	36561	INSJ TUNNELED CTR VAD WISUBO PORT	1	0	(0)1	(0)1
6	37252	INTRAVASCULAR US NONCORONARY RI	1	0	(0)1	(0)1
7	43239	EGD TRANSORAL BIOPSY SINGLE/MULTI	2	0	(0)2	(0)2
8	59841	INDUCED ABORTION DILATION & EVACUA	1	0	(0)1	(0)1
9	60500	PARATHYROIDECTOMY/EXPLORATION, P	1	0	(0)1	(0)1
10	76937	US VASC ACCESS SITS VSL PATENCY NI	1	0	(0)1	(0)1
11	83970	ASSAY OF PARATHORMONE (PARATHYF	1	0	(0)2	(0)2
12	90715	TDAP VACCINE 7 YRS> IM	1	0	(0)1	(0)1

Figure: 41 Codes

2. Click on **Category** link
  - a. Applicable sub-category data will display

The screenshot displays three panels of data. The first panel, titled 'Category', shows a list of 12 categories with columns for '# Category', 'Cases', 'Accuracy', 'PDX(%)', 'Cases', 'SDX(%)', and 'Cases'. An arrow points to the 'Category' column header. The second panel, titled 'ADMINISTRATION (3)', shows 4 sub-categories with columns for '# Category', 'Cases', 'PX(%)', and 'Cases'. The third panel shows 6 sub-categories with columns for '# Category', 'Cases', 'CPT(%)', and 'Cases'.

# Category	Cases	Accuracy	PDX(%)	Cases	SDX(%)	Cases
1 <a href="#">NEOPLASMS (C00-D49)</a>	3	66.7	50.0	(1)2	100	(1)1
2 <a href="#">INJURY, POISONING AND CERTAIN OTHER</a>	16	56.3	72.7	(8)11	20.0	(1)5
3 <a href="#">DISEASES OF THE SKIN AND SUBCUTAN</a>	12	55.6	87.5	(7)8	30.0	(3)10
4 <a href="#">DISEASES OF THE RESPIRATORY SYSTE</a>	12	47.1	85.7	(6)7	20.0	(2)10
5 <a href="#">CERTAIN INFECTIOUS AND PARASITIC DIS</a>	6	42.9	100	(1)1	33.3	(2)6
6 <a href="#">DISEASES OF THE DIGESTIVE SYSTEM (K</a>	7	35.7	50.0	(2)4	30.0	(3)10
7 <a href="#">ENDOCRINE, NUTRITIONAL AND METABO</a>	12	34.2	100	(2)2	30.6	(1)36
8 <a href="#">DISEASES OF THE CIRCULATORY SYSTE</a>	18	24.1	66.7	(2)3	19.2	(5)26
9 <a href="#">DISEASES OF THE GENITOURINARY SYS</a>	4	18.2	-	(0)0	18.2	(2)11
10 <a href="#">MENTAL, BEHAVIORAL AND NEURODEVE</a>	14	17.9	16.7	(1)6	18.2	(4)22
11 <a href="#">DISEASES OF THE BLOOD AND BLOOD-F</a>	4	16.7	0	(0)2	25.0	(1)4
12 <a href="#">DISEASES OF THE MUSCULOSKELETALS</a>	9	8.3	-	(0)0	8.3	(1)12

Figure: 42 Codes - Category

3. Click on **Sub-Category** link
  - a. Applicable Code Category will display

The screenshot displays a table with columns for '# Sub Category', 'Cases', 'Accuracy', 'PDX(%)', 'Cases', 'SDX(%)', and 'Cases'. An arrow points to the 'Sub Category' column header. The table contains two entries.

# Sub Category	Cases	Accuracy	PDX(%)	Cases	SDX(%)	Cases
1 <a href="#">ACUTE UPPER RESPIRATORY INFECTIONS (J00-J06)</a>	1	100	100	(1)1	-	(0)0
2 <a href="#">CHRONIC LOWER RESPIRATORY DISEASES (J40-J47)</a>	1	100	100	(1)1	-	(0)0

Figure: 43 Codes - Sub-Category

4. Click on **Code Category** link
  - a. Applicable code(s) will display

The screenshot shows a web application interface with a table. At the top, there is a search bar and a 'Go' button. Below the search bar, there is a 'Show 100 entries' dropdown. The table has the following columns: '# Code Category', 'Cases', 'Accuracy', 'PDX(%)', 'Cases', 'SDX(%)', and 'Cases'. The first row contains the following data: '# Code Category' is '1 ACUTE SINUSITIS (J01)', 'Cases' is '1', 'Accuracy' is '100', 'PDX(%)' is '100', 'Cases' is '(1)1', 'SDX(%)' is '-', and 'Cases' is '(0)0'. An arrow points to the 'ACUTE SINUSITIS (J01)' link. At the bottom of the table, there is a footer that says 'Showing 1 to 1 of 1 entries' and navigation buttons: 'First', 'Previous', '1', 'Next', 'Last'.

# Code Category	Cases	Accuracy	PDX(%)	Cases	SDX(%)	Cases
1 <a href="#">ACUTE SINUSITIS (J01)</a>	1	100	100	(1)1	-	(0)0

Figure: 44 Codes - Code Category

The screenshot shows a web application interface with a table. At the top, there is a search bar and a 'Go' button. Below the search bar, there is a 'Show 100 entries' dropdown. The table has the following columns: '# DX', 'Description', 'Cases', 'Accuracy', 'PDX(%)', 'Cases', 'SDX(%)', and 'Cases'. The first row contains the following data: '# DX' is '1 J01.90', 'Description' is 'Acute sinusitis, unspecified', 'Cases' is '1', 'Accuracy' is '100', 'PDX(%)' is '100', 'Cases' is '(1)1', 'SDX(%)' is '-', and 'Cases' is '(0)0'. At the bottom of the table, there is a footer that says 'Showing 1 to 1 of 1 entries' and navigation buttons: 'First', 'Previous', '1', 'Next', 'Last'.

# DX	Description	Cases	Accuracy	PDX(%)	Cases	SDX(%)	Cases
1 J01.90	Acute sinusitis, unspecified	1	100	100	(1)1	-	(0)0

Figure: 45 Codes - Code

# Coder	Cases	Pat Type	Dx(%)	Cases	PDX(%)	Cases	SDX(%)	Cases
1	1	INP	100	(1)1	-	(0)0	100	(1)1

Showing 1 to 1 of 1 entries

First Previous 1 Next Last

Figure: 46 Codes - Cases

5. Select **Cases** from the Code Screen to access Coded Cases List
  - a. Applicable case(s) will display
6. Select Answer Key icon to display Coder's Answers

# Coder	CaseID	PatType	Score(%)	Coding Hrs	Prod Std	PDX	SDX	CC/MCCs	PX	DRG	Avg Ex-Dx	Avg Ex-Px	Coded Date
1	INP19750	INP	32.3	01:02	1.8	0	30.4	60.0	42.9	0	7.0	3.0	03/26/19 14:51

Showing 1 to 1 of 1 entries

First Previous 1 Next Last

Figure: 47 Codes - Coded Cases List

a. Select **Genie Bottle** icon to display code rationale

**Coder's Answers**

Job ID : 51739    Coder's Name : [REDACTED]    Coded : 03/26/2019    Case ID : INP19750    Difficulty Level : Advanced

Facility : Care System    Medical Service : Gastro-Intestinal    Patient Type : INP    Code System : ICD-10    [Medical Record](#)

**Calculator**    Answer Key

**Admit Diagnosis:** Score : 100%

Code	Description	Details
R06.02 ✓	Shortness of breath	<a href="#">Details</a>

**Principal Diagnosis:** Score : 0

Code	POA	Description	Details
I11.0 ✗	Y	Hypertensive heart disease with hear	<a href="#">Details</a>

**Additional Diagnosis:** Score : 30.4%

Code	POA	Description	Details
I50.33 ✓	Y	Acute on chronic diastolic (congesti	<a href="#">Details</a>
J44.1 ✓	Y	Chronic obstructive pulmonary diseas	<a href="#">Details</a>
D62 ✓	Y	Acute posthemorrhagic anemia	<a href="#">Details</a>
I11.0 ✓	Y	Hypertensive heart disease with hear	<a href="#">Details</a>
Z72.0 ✗	1	Tobacco use	<a href="#">Details</a>
K92.2 ✗	Y	Gastrointestinal hemorrhage, unspeci	<a href="#">Details</a>
Z87.11 ✗	1	Personal history of peptic ulcer dis	<a href="#">Details</a>
I35.0 ✗	Y	Nonrheumatic aortic (valve) stenosis	<a href="#">Details</a>
I95.9 ✓	N	Hypotension, unspecified	<a href="#">Details</a>
R53.1 ✗	N	Weakness	<a href="#">Details</a>

**Admit Diagnosis:**

Code	Description	Details
R06.02	Shortness of breath	<a href="#">Details</a>

**Principal Diagnosis:**

Code	POA	Description	Details
K92.2 ✗	Y	Gastrointestinal hemorrhage, unspeci	<a href="#">Details</a>

**Additional Diagnosis:**

Code	POA	Description	Details
I50.33 ✓	Y	Acute on chronic diastolic (congesti	<a href="#">Details</a>
D62 ✓	Y	Acute posthemorrhagic anemia	<a href="#">Details</a>
J44.1 ✓	Y	Chronic obstructive pulmonary diseas	<a href="#">Details</a>
E87.3 ✗	N	Alkalosis	<a href="#">Details</a>
I11.0 ✓	Y	Hypertensive heart disease with hear	<a href="#">Details</a>
F17.210 ✗	Y	Nicotine dependence, cigarettes, unc	<a href="#">Details</a>
I95.9 ✗	N	Hypotension, unspecified	<a href="#">Details</a>
R09.02 ✗	N	Hypoxemia	<a href="#">Details</a>
E66.9 ✗	Y	Obesity, unspecified	<a href="#">Details</a>
K55.20 ✗	Y	Angiodysplasia of colon without hemo	<a href="#">Details</a>

Figure: 48 Codes - Coder's Answers

b. Select the **Calculator** button to view the Total Score and Code Type calculation details

**INP - Accuracy Score Report**

Code Type	Correct Answers	#of Answers	#of Excess Codes	Coder's Score
Principal Diagnosis	1	1	0	100%
Additional Diagnosis	4	6	5	36.4%
Procedure Codes	0	0	0	-
<b>Total</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>41.7%</b>
CC/MCC*	2	2		-
DRG	1	1		100%

\* CC/MCC - Score is included in "Additional Diagnosis" Calculations

Figure: 49 Codes - Total Score and Code Type Details

Follow the same process to view and drill-down into **Sub-Category** and **Code Category** tables.



## Coders Tab

The coders tab shows the productivity and accuracy performance of each coder in comparison to other coders within the organization. There are eight different tables organized by **Top Coders** and **Bottom Coders** based on the coders score as well as the patient type that was coded **INP, AMBS, ER and OPD**.

1. Select **Coder's Performance Profile** icon from a Top or Bottom Coder
  - a. **Coder's Performance Profile** will display

Top Coders													
Show 100 entries	Search: <input type="text"/> Go												
#	Coder(INP)	Exp Yrs	Coding Hrs	Cases/Hr	Cases	Score	PDX	SDX	Avg Ex-Dx	CCMCC	Proc	Avg Ex-Px	DRG
1	[Redacted]	0.3	05:35:17	0.9	5	31.6	60.0	30.4	5.0	31.8	29.4	1.2	40.0
2	Jason [Redacted] W	2.3	00:01:19	91.1	2	0	0	0	2.0	0	0	0	0

Figure: 50 Codes - Coder's Performance Profile

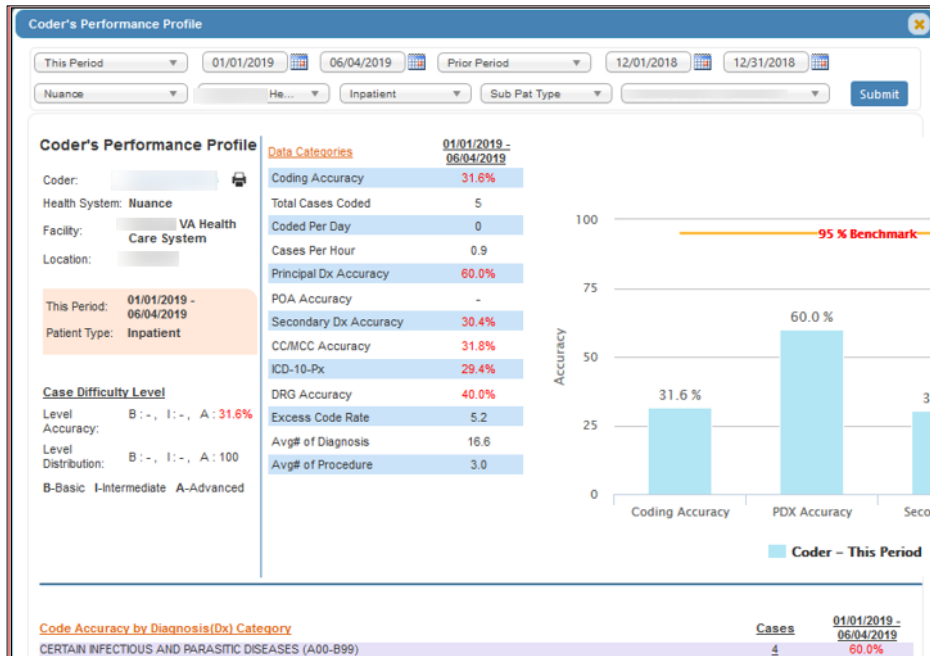


Figure: 51 Codes - Coder's Performance Profile

- b. Select a Period or Date Range
- c. Select a Facility (If Necessary)
- d. Select **Submit**

## Facilities Tab

The Facilities Tab displays data that is organized by patient types and facility. This tab allows the user to compare, analyze and review data among each facility for strengths and weaknesses in order to make improvements and adjustments to increase productivity and accuracy consistency a cross all facilities.

**Example If ABC Hospital had 3 different locations where they gave inpatient (INP) medical services to the community; under the Facility INP table there would be 3 facilities listed.**

1. Select a number under the **Cases** column
  - a. Click on the header to sort by ascending or descending order
  - b. Use the Search bar to filter results for one specific facility
  - c. Export the data using the **Excel** icon for additional filtering/sorting and manual customization



Figure: 52 Facilities - Cases

2. Select the **Answer Key** or **Medical Record** icon
  - d. View Answer Key
  - e. View Medical Record
  - f. Export the data using the **Excel** icon for additional filtering/sorting and manual customization

Coder(s) Coded Cases List

Show 100 entries

Search:  Go

#	Coder	CaseID	PatType	Score(%)	Coding Hrs	Prod Std	PDX	SDX	CC/MCCs	PX	DRG	Avg Ex-Dx	Avg Ex-Px	Coded Date
1		INP19745	INP	41.7	00:40	1.8	100	36.4	100	-	100	6.0	0	03/28/19 13:47
2		INP19746	INP	39.4	02:32	1.8	100	43.5	16.7	22.2	0	5.0	3.0	04/02/19 14:29
3		INP19750	INP	32.3	01:02	1.8	0	30.4	60.0	42.9	0	7.0	3.0	03/28/19 14:51
4		INP19744	INP	30.4	00:57	1.8	0	33.3	20.0	0	0	6.0	0	04/04/19 14:25
5		INP19747	INP	6.7	00:22	1.8	100	0	0	-	100	1.0	0	03/28/19 14:11
6		INP19761	INP	0	00:00	1.8	0	0	0	-	0	2.0	0	01/14/19 12:27
7		INP19744	INP	0	00:00	1.8	0	0	0	0	0	2.0	0	05/31/19 13:19

Showing 1 to 7 of 7 entries

First Previous 1 Next Last

Figure: 53 Facilities - Cases

## Cases Tab

Displays all the coded case's data in detail. A user may sort data Ascending or Descending by clicking on the column header. A user may click on Cases or Avg Score, this will display the **Cases Score & Excess Count** table. If the user clicks on Avg Excess Dx or Avg Excess Px, the detailed data displayed will be only the Excess codes.

#	Case ID	Version	Facility	Type	Assigned#	Coded#	Start Time	Completed	Coding Hrs	Prod Std	Cases/Hr	Avg Score	DX1	DX2	CCMCCs	PX	CPT	DRG	APC	Avg Excess Dx	Avg Excess Px	TAT Days
1	OPD1187	ICD-10		OPD	0	(1)1	01/13/19 15:07	01/13/19 15:07	00:04	20	13.3	100	100	100	-	-	-	-	-	0	0	0
2	AMBS9713	ICD-10		AMBS	1	(1)1	03/13/19 14:15	03/13/19 14:15	00:26	7	2.3	100	-	-	-	-	100	-	-	0	0	0
3	ER10383	ICD-10		ER	1	(1)1	03/14/19 14:28	03/14/19 14:28	00:21	9	2.7	50.0	100	0	-	-	50.0	-	-	1.0	0	0
4	OPD1185	ICD-10		OPD	14	(7)7	01/13/19 14:26	03/27/19 15:04	01:11	20	5.9	46.2	85.7	-	-	-	0	-	-	0.1	0	73
5	OPD1207	ICD-10		OPD	0	(1)1	01/13/19 16:23	01/13/19 16:23	00:11	20	5.0	42.9	100	33.3	-	-	-	-	-	0	0	0
6	INP19745	ICD-10		INP	4	(1)1	03/28/19 13:47	03/28/19 13:47	00:40	1.8	1.5	41.7	100	36.4	100	-	100	-	-	6.0	0	0

Figure: 54 Cases - Data Options

1. Click on **Coded#** or **Avg Score** to access **Cases Score & Excess Count**
  - a. Click on Gold Answer Key icon to display Coder's Answers
  - b. Click on Blue Medical Record icon to display Medical Record

#	Coder	CaseID	PatType	Score(%)	Coding Hrs	Prod Std	PDX	SDX	CPT	APC	Avg Ex-Dx	Avg Ex-Px	Coded Date
1	W	OPD1187	OPD	100	00:04	20	100	100	-	-	0	0	01/13/19 15:07

Figure: 55 Cases - Cases Score and Excess Count

2. Click on **Avg Excess Dx or Px** to display avg excess count
  - a. Click on Gold Answer Key icon to display Coder's Answers
  - b. Click on Blue Medical Record icon to display Medical Record

#	Coder	CaseID	PatType	Score%	Med Service	E-DX	X-DX
1	P -	ER10383	ER	50.0	Cardiology	1	0

Showing 1 to 1 of 1 entries

First Previous 1 Next Last

Figure: 56 Cases - Avg Excess Count

## Summary Tab

Displays data via multiple graphs. Each graph features a **hover over feature**, which can be used by placing the cursor arrow over the top of a colored bar. This data will give the user high-level details pertaining to only that data element. Data elements are **Patient Type, PDX, SDX, PX, CPT, DRG, CC, APC and E&M.**

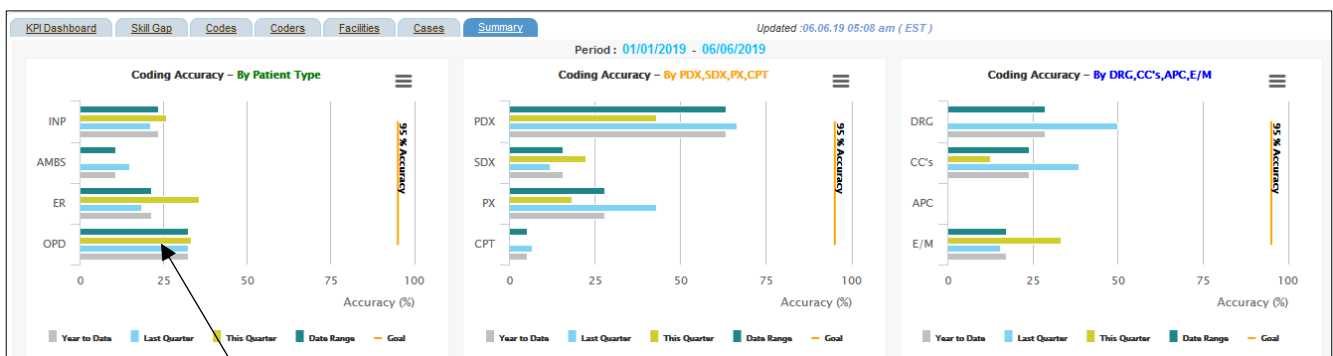


Figure: 57 Summary - Coding Graphs

1. Click on a colored bar section to display Coding Accuracy, Complexity, Productivity or Expertise table for that data element

Coding Accuracy - IMP												
Show 100 entries										Search:		Go
#	Coder	Coding Hrs	Cases Hrs	Cases	Score(%)	PDX	SDX	Avg Ex-Dx	CC/MCCs	PX	Avg Ex-Px	DRG
1	W	00:01:19	91.1	<a href="#">2</a>	0	0	0	<a href="#">2.0</a>	0	0	0	0
2	it	05:35:17	0.9	<a href="#">5</a>	31.6	60.0	30.4	<a href="#">5.0</a>	31.8	29.4	<a href="#">1.2</a>	40.0

Showing 1 to 2 of 2 entries

First Previous 1 Next Last

Figure: 58 Summary - Coding Accuracy

- Click a number under **Cases** to display Coder's Coded Cases List
- Click on Gold Answer Key icon to display Coder's Answers
- Click on Blue Medical Record icon to display Medical Record
- Click on **Avg Ex-Dx/Px** to display avg excess count

## Financials Tab

Data is displayed as a forecasted projection of net revenue loss that may happen if Central Learning was a live coding environment as it relates to INP coding only. This data is collected based on the coders submitted answers through completing the coded cases within Central Learning.

### Inpatient DRG Key Indicators

**DRG Accuracy** – Reflects the DRG accuracy of all the coders within a specific time period.

**Coder CMI** – Average “Case Mix Index” values entered by the coders.

**CL CMI** – Average Central Learning “Case Mix Index” values used.

**Net Financial Impact** – Total potential loss of revenue for all cases combined.

**Net Avg Per Case** – Total potential loss for each individual case.

There are 3 ways to display the financial impact data. Managers and Administrators will use these views to identify where the loss of potential revenue may be, enabling them to adjust and improve to reduce net loss.

### DRG Top & Bottom Accuracy

### Categories

### Coders

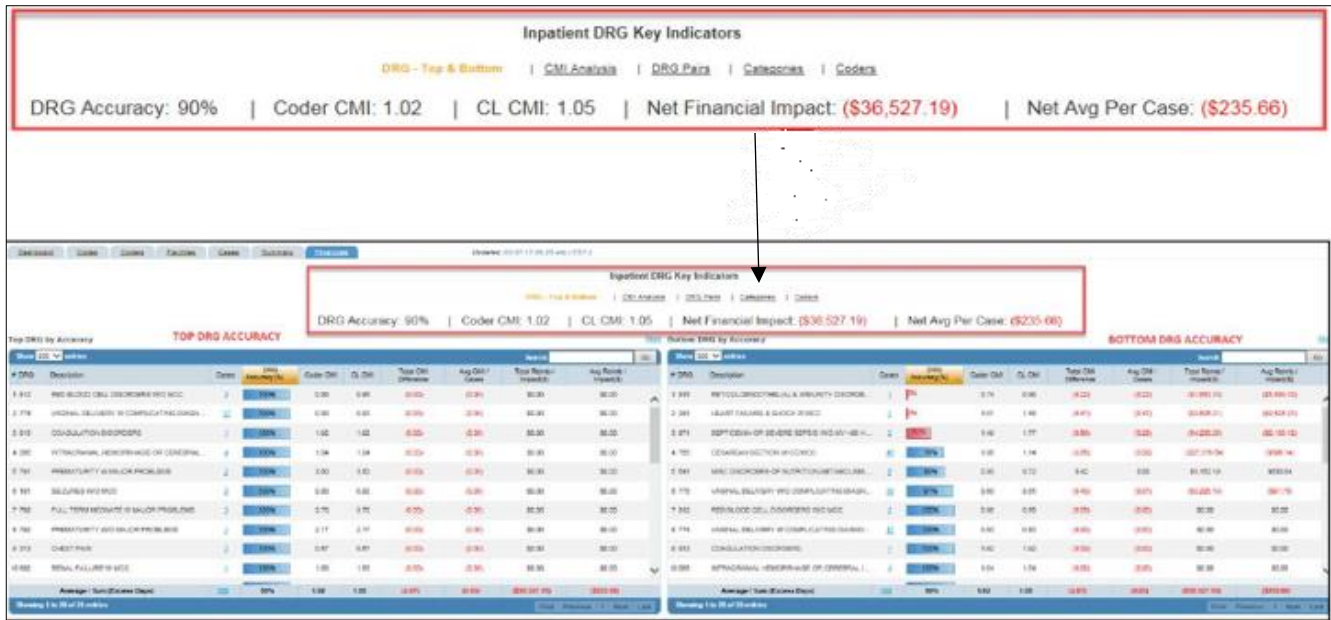


Figure: 59 Financials - Net Financial Impact

## Appendix A

1. To log in to Central Learning, or for a forgotten password, follow these steps
  - a. An email with instructions and credentials will be sent

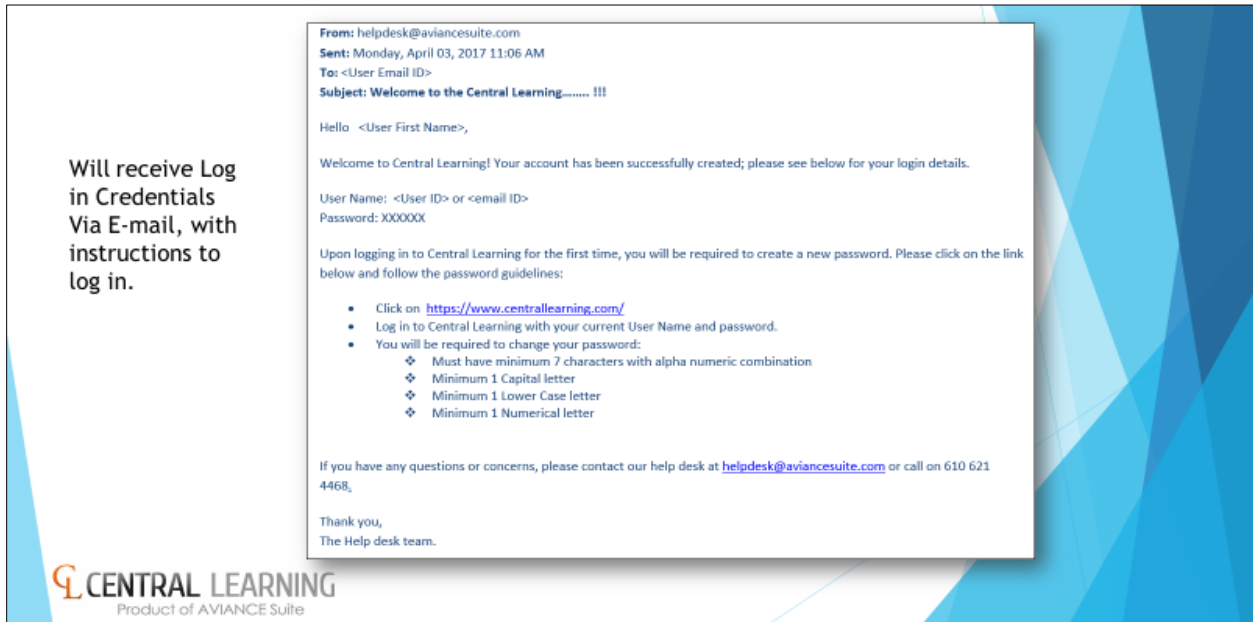


Figure: 10 Central Learning logon information email

2. Enter credentials into the Username and Password fields and click Sign in

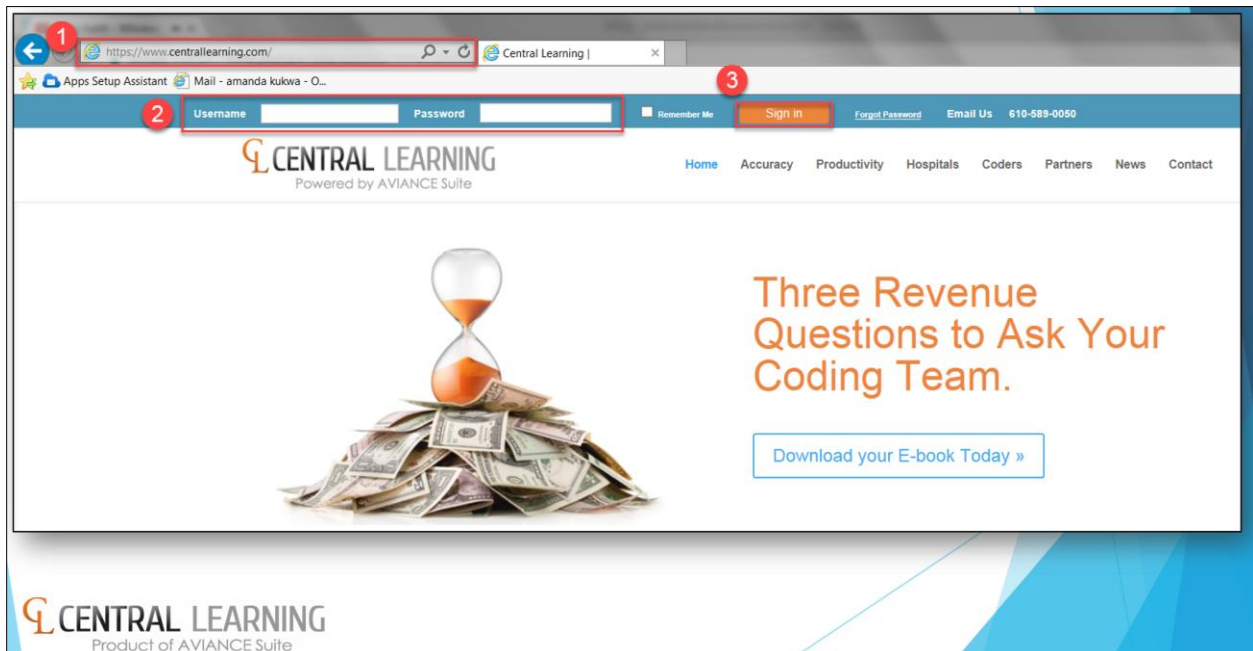


Figure: 61 Central Learning logon fields and Sign in button



3. For a forgotten password, click on Forgot Password and enter your email address

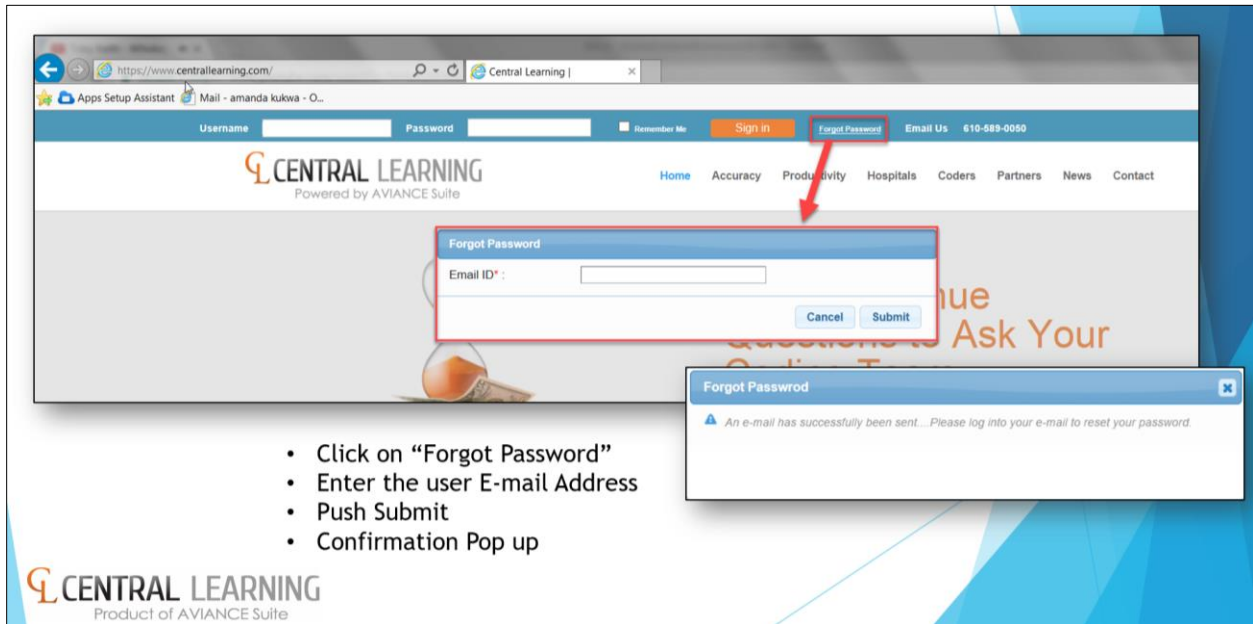


Figure: 62 Forgot Password link and Email ID field

4. An email with password resets instructions, a temporary password, and a link will be sent to the email address entered in Step 3

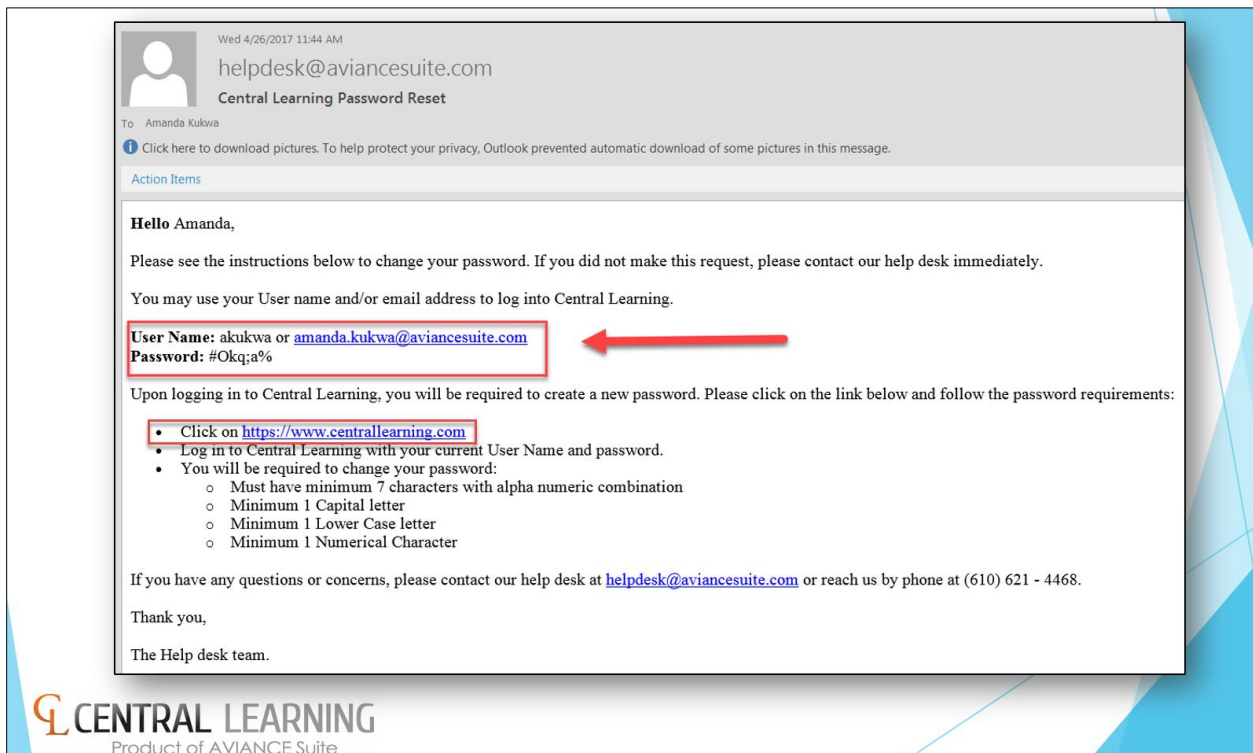


Figure: 63 Password reset instructions email

5. Click the Central Learning link identified in Step 4, enter your Username and temporary Password, and click Sign in

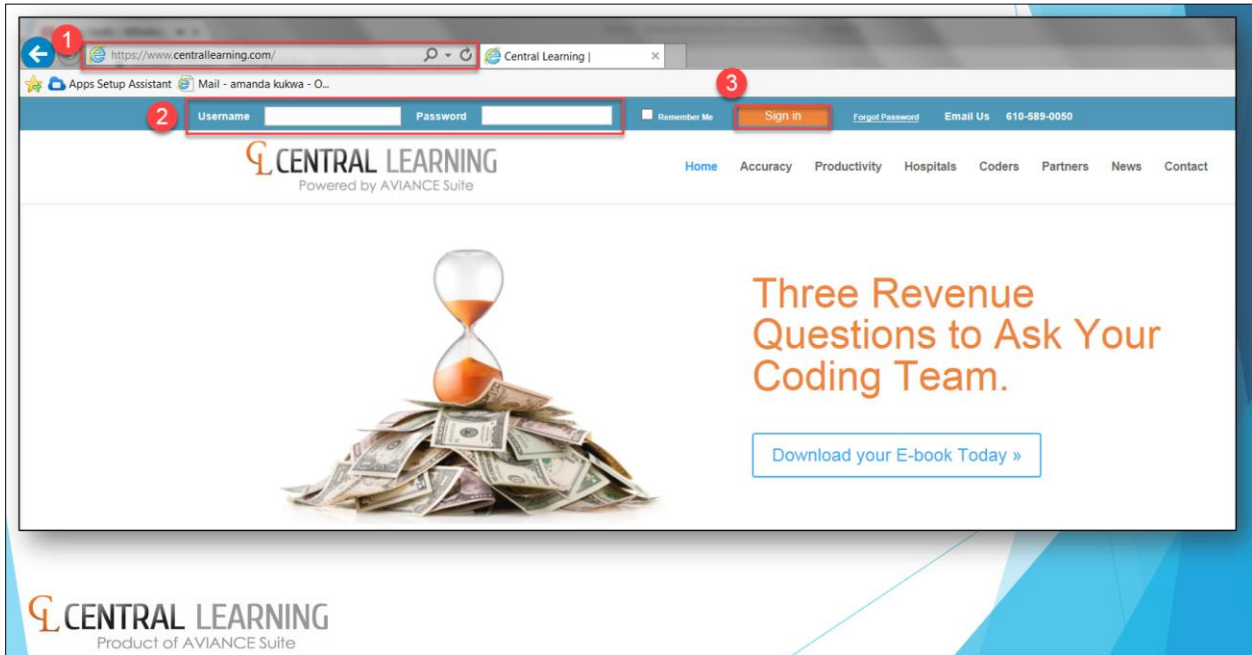


Figure: 64 Central Learning logon fields and Sign in button

6. Enter and confirm a new Password, then click Submit

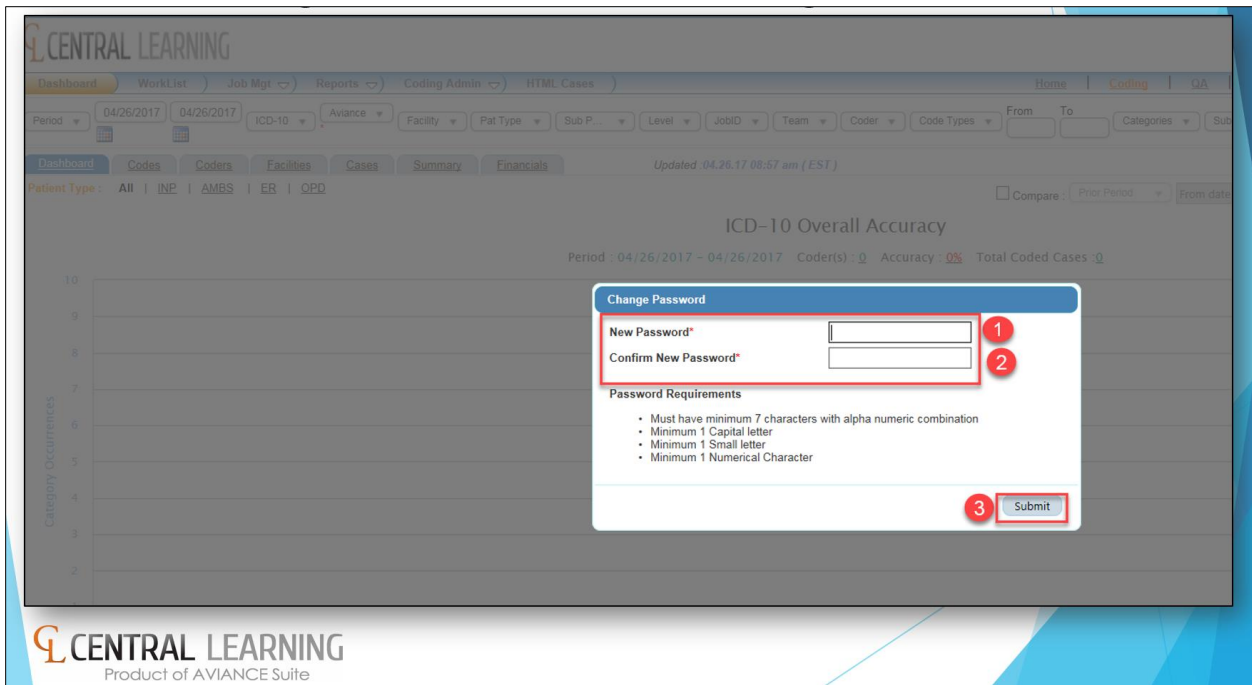


Figure: 65 Change Password popup

## Appendix B

To allow popups for Central Learning in Internet Explorer 11, follow these steps

1. Click the Tools button at the upper-right of the browser window

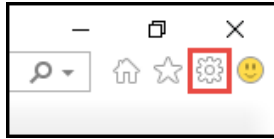


Figure: 66 IE 11 Tools button

2. Select Internet Options

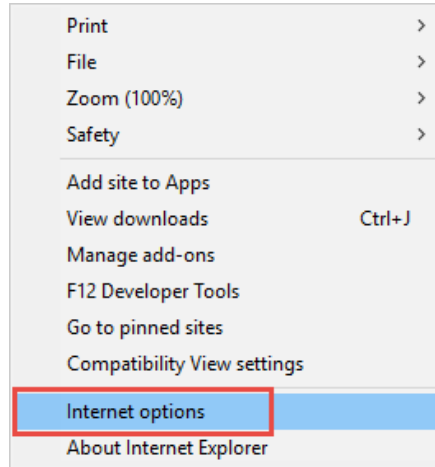


Figure: 67 IE 11 Tools options

3. Select the Privacy tab, then click the Settings button in the Pop-up Blocker area

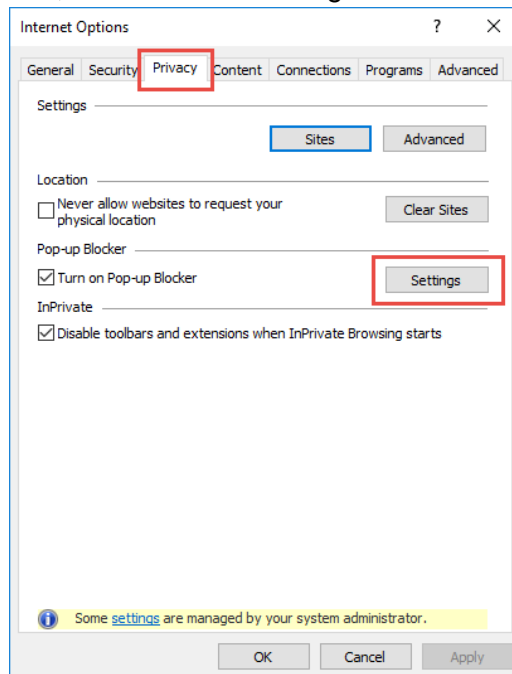


Figure: 68 IE 11 Privacy tab and Settings button

4. Type "https://www.centralelearning.com/" in the Address of Web site to allow field, then click the Add button

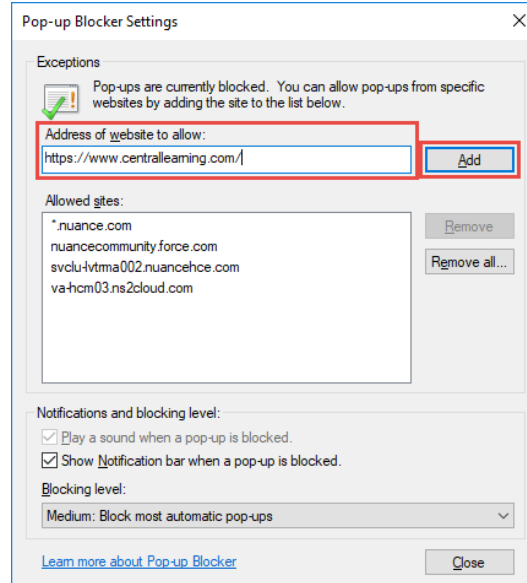


Figure: 69 IE 11 website address field

5. The Central Learning URL will appear in the Allowed Sites field
6. Click the Close button

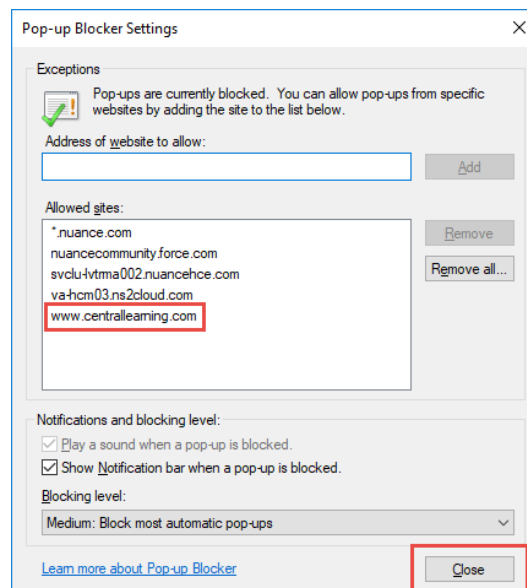


Figure: 70 IE 11 Allowed sites