



athenahealth ICD-10 Transition Guide

Clinical Workflow Impacts

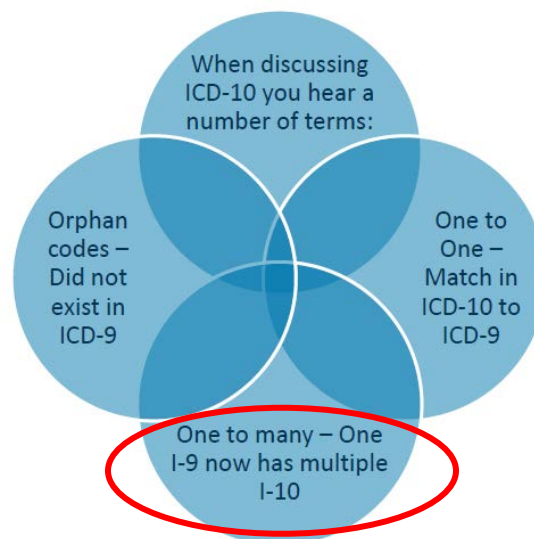
Purpose: To educate Seton clinicians regarding workflow changes within the athenahealth EMR subsequent to ICD-10 transition.

Scope: This document will address workflow changes to the following features within the athenahealth platform:

- Pathways for selection of ICD-10 diagnosis codes:
 1. Patient Historical
 2. Quickpicks
 3. Manual Search
 4. Diagnosis Order Sets
- Supporting documentation in PE templates
- Future orders

ICD-10 Diagnosis Code Selection:

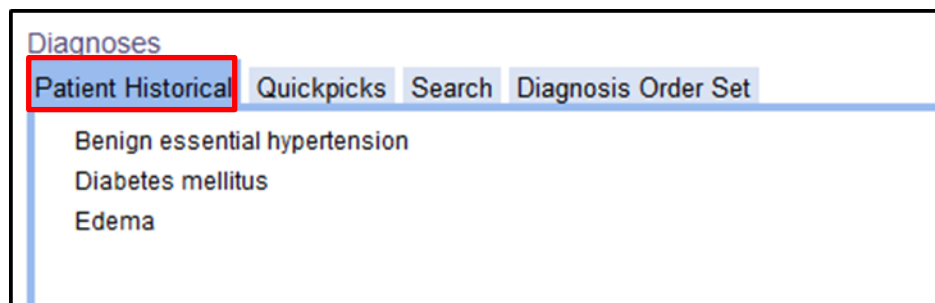
The primary workflow change in this domain is the manual identification and selection of an ICD-10 code for cases in which an ICD-9 code maps to multiple ICD-10 codes (see diagram below):



There are four ways to select codes in athenahealth's future state ICD-10 workflow, each of which is similar to the current state process:

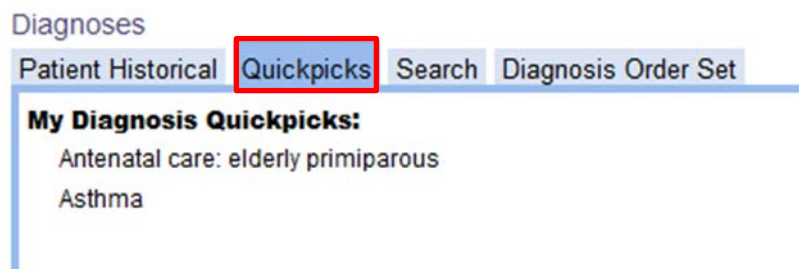
1. Patient Historical

The 'Patient Historical' tab will display codes that have been selected in the past for that particular patient. *Providers should pay particular attention to code selection in the first few visits for each patient post go-live to ensure appropriate level of code specificity.* Selection from this list will populate the diagnosis description (example shown below), along with an ICD-10 code. This code will be unspecified unless the historical diagnosis is a one-to-one mapping with the ICD-9 Code. See below for details on selection and process for adding specificity.



2. Quickpicks

The 'Quickpicks' tab or 'Favorites List,' which is unique to each individual provider's athenahealth module, will display high-volume codes based on provider preference. Again, there will be a high incidence of the system yielding unspecified codes if there is no mitigation to this list by the provider. The provider can adapt and add ICD-10 specific codes to their 'Quickpicks/Favorites List' for use in the future.



3. Manual Search

When conducting a manual search for a diagnosis code, ICD-10 diagnosis codes are searchable by ICD-9 codes, ICD-10 codes, and SNOMED language. Simply start typing a code (9 or 10) or SNOMED language in the search box to query the appropriate code.

Diagnoses

Patient Historical Quickpicks **Search** Diagnosis Order Set

Search:

- Asthma
- History of asthma
- Asthma with status asthmaticus
- Asthmatoid wheeze
- Asthma without status asthmaticus
- Wheezing

Note: Example above shows a search based on SNOMED language

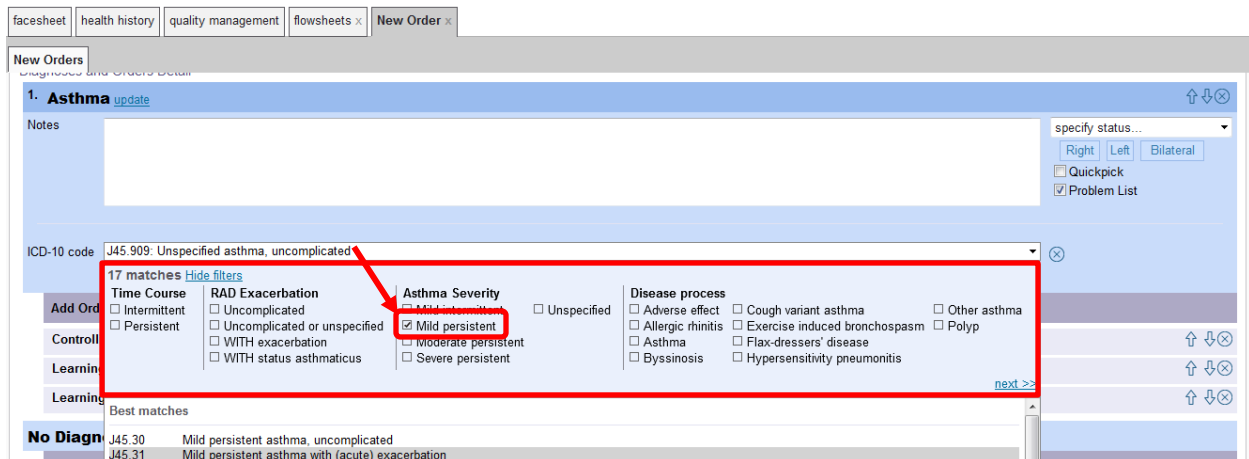
Adding Specificity to a Populated Code

For **all** code selection pathways noted above, be aware that there is a high incidence of these 'one-to-many' relationships, resulting in the system outputting unspecified ICD-10 codes. In such cases, a hyperlink titled 'Edit specificity' will be present at the end of the code description in the diagnoses and orders detail section of athenahealth (example in diagram below):

Diagnoses and Orders Detail

1. **Asthma**
 ICD-10 code: J45.909: Unspecified asthma, uncomplicated [Edit specificity](#)

In most cases, designating a code with a higher degree of specificity will be appropriate. Click the 'Edit specificity' hyperlink to search for the applicable code using the provided filters:



The screenshot shows the 'New Orders' interface with the following details:

- Order: 1. **Asthma** (update)
- Notes: [Empty text area]
- ICD-10 code: J45.909: Unspecified asthma, uncomplicated
- Filters:
 - Time Course: Intermittent, Persistent
 - RAD Exacerbation: Uncomplicated, Uncomplicated or unspecified, WITH exacerbation, WITH status asthmaticus
 - Asthma Severity: Mild persistent, Moderate persistent, Severe persistent, Unspecified
 - Disease process: Adverse effect, Allergic rhinitis, Asthma, Byssinosis, Cough variant asthma, Exercise induced bronchospasm, Flax-dressers' disease, Hypersensitivity pneumonitis, Other asthma, Polyp
- Best matches:
 - J45.30 Mild persistent asthma, uncomplicated
 - J45.31 Mild persistent asthma with (acute) exacerbation



Diagnoses and Orders Detail

1. **Asthma**
ICD-10 code: J45.31: Mild persistent asthma with (acute) exacerbation

Add Orders Most Used Order Set Medication Lab Imaging Vaccine DME Surgery/Px Referral Patient Info Other

***Note: When a highly specific diagnosis code is called for, it is incumbent on the provider to ensure that clinical documentation supports code specificity.*

4. Diagnosis Order Sets

Diagnosis order sets are enabled in athenahealth for specific providers and/or practices based on access to order sets from the clinical informatics team. Each order is tied to a specific ICD-code, which will require review from the provider. In the case where an order is tied to an ICD-9 code that has one-to-many mappings, the provider will have to edit specificity, or, in some cases, select an ICD-10 code as displayed as below:

Diagnoses

Patient Historical Quickpicks Search **Diagnosis Order Set**

Search:

My Order Sets:

- Adacel Tdap
- Depo Provera
- Flu Vaccine 2014
- GYN annual screening**
- Gyn Flu Vaccine 2014

Selected diagnoses: None selected

After selection of the desired order set, the full list of orders (coupled with their diagnosis codes) will be populated into the Diagnosis and Order Detail.

Providers should review each of the orders that imported and check for cases where:

1) Order and Code populated on a one-to-one basis, where the provider should take no further action (see below):

Diagnoses and Orders Detail

- Screening for malignant neoplasm of breast**
 ICD-10 code: Z12.39: Encounter for other screening for malignant neoplasm of breast
 Add Orders Most Used Order Set Medication Lab Imaging Vaccine DME Surgery/Px Referral Patient Info Other
 DIGITAL SCREENING MAMMOGRAM, BILATERAL To be submitted on or around Today Alarm: 3 months Send to: SETON HEALTHCARE FAMILY IMAGING: 1201 WEST 38TH STREET, AUSTIN TX 78705, Ph (512) 324-1199, Fax (512) 380-0552
 WARNING: The selected laboratory may not list DIGITAL SCREENING MAMMOGRAM, BILATERAL as an available test. If possible, please select another test so we can accurately match this order to its corresponding result document.
- Hyperlipidemia screening**
 ICD-10 code: Z13.220: Encounter for screening for lipid disorders
 Add Orders Most Used Order Set Medication Lab Imaging Vaccine DME Surgery/Px Referral Patient Info Other
 LIPID PANEL, SERUM Alarm: 4 weeks Send to: CLINICAL PATHOLOGY LABORATORIES – MAIN LAB (NO BLOOD DRAW): 9200 WALL ST, AUSTIN TX 78754, Ph (512) 339-1275, Fax (512) 873-5003
- Thyroid disorder screening**
 ICD-10 code: Z13.29: Encounter for screening for other suspected endocrine disorder
 Add Orders Most Used Order Set Medication Lab Imaging Vaccine DME Surgery/Px Referral Patient Info Other

2) Order and Code populated on a one-to-many basis, where the provider must add specificity to the order, similar to the above process (adding specificity to a populated code):

Diagnoses and Orders Detail

- Cough**
 ICD-10 code: R05: Cough [Edit specificity](#)
 Add Orders Most Used Order Set Medication Lab Imaging Vaccine DME Surgery/Px Referral Patient Info
 X-RAY, CHEST, 2 VIEW To be submitted on or around Today Alarm: 5 days Send to: ARA CENTRAL SCHEDULED: 453-6100, Fax (512) 836-8869 Internal Note: please send written order with patient
 WARNING: The selected laboratory may not list X-RAY, CHEST, 2 VIEW as an available test. If possible, please select another test so we can accurately match this order to its corresponding result document.
 Augmentin 875 mg-125 mg tablet To be submitted on or around 05/12/2015 Take 1 tablet(s) every 12 hours: N/A
 CBC Alarm: 1 week Send to: CLINICAL PATHOLOGY LABORATORIES – MAIN LAB (NO BLOOD DRAW): 9200 WALL ST, AUSTIN TX 78754, Ph (512) 339-1275, Fax (512) 873-5003
 BNP (B-TYPE NATRIURETIC PEPTIDE), BLOOD Alarm: 1 week Send to: SETON IN-OFFICE ORDERS: 1345 PHILADELPHIA AVE, AUSTIN TX 78705, Ph (512) 324-1199, Fax (512) 380-0552
 Cough: After Your Visit



Diagnoses and Orders Detail

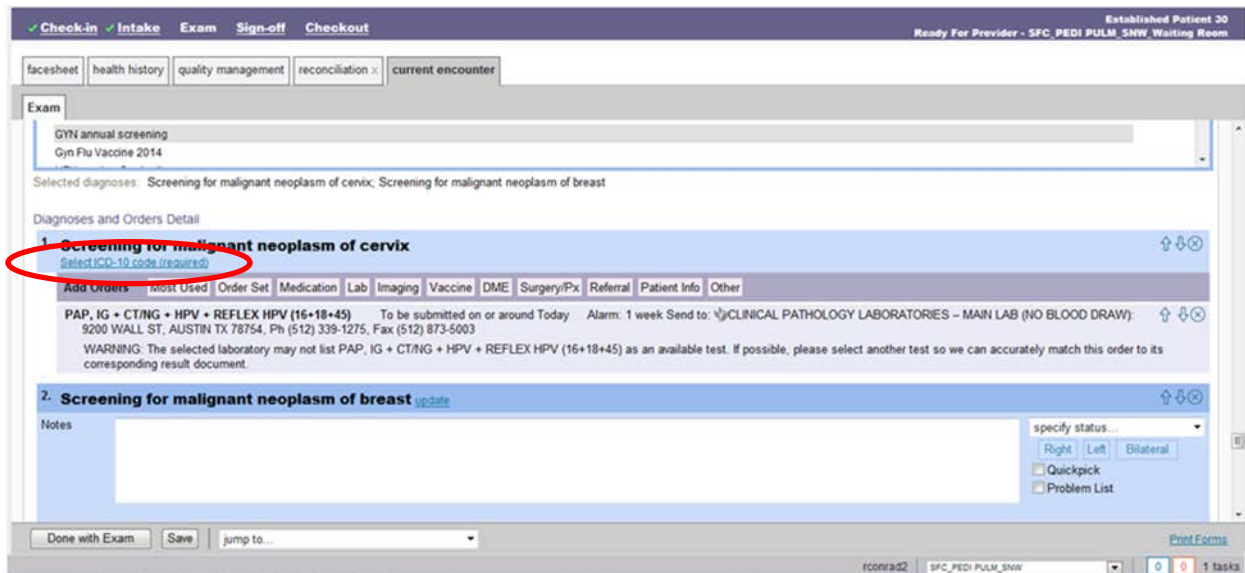
1. Cough

ICD-10 code: J41.0: Simple chronic bronchitis

Add Orders Most Used Order Set Medication Lab Imaging

X-RAY, CHEST, 2 VIEW To be submitted on or around Today

3) Order populates with description of activity, but no code populates with it, in which case the provider must select the hyperlink under the order, titled “Select ICD-10 code (required)”, as demonstrated below:



The screenshot shows a medical software interface with a top navigation bar including 'Check-in', 'Intake', 'Exam', 'Sign-off', and 'Checkout'. Below this is a patient status bar: 'Established Patient 30', 'Ready For Provider - SFC, PEDI PULM, SNW, Waiting Room'. A menu bar contains 'facesheet', 'health history', 'quality management', 'reconciliation', and 'current encounter'. The main content area is titled 'Exam' and lists 'GYN annual screening' and 'Gyn Flu Vaccine 2014'. Below this, it says 'Selected diagnoses: Screening for malignant neoplasm of cervix; Screening for malignant neoplasm of breast'. The 'Diagnoses and Orders Detail' section shows two orders. The first order is '1. Screening for malignant neoplasm of cervix' with a red circle around the text 'Select ICD-10 code (required)'. Below the order title are tabs for 'Add Orders', 'Most Used', 'Order Set', 'Medication', 'Lab', 'Imaging', 'Vaccine', 'DME', 'Surgery/Px', 'Referral', 'Patient Info', and 'Other'. The order details include 'PAP, IG + CT/NG + HPV + REFLEX HPV (16+18+45)', 'To be submitted on or around Today', and 'Alarm: 1 week Send to: CLINICAL PATHOLOGY LABORATORIES - MAIN LAB (NO BLOOD DRAW)'. A warning message states: 'WARNING: The selected laboratory may not list PAP, IG + CT/NG + HPV + REFLEX HPV (16+18+45) as an available test. If possible, please select another test so we can accurately match this order to its corresponding result document.' The second order is '2. Screening for malignant neoplasm of breast'. At the bottom of the interface are buttons for 'Done with Exam', 'Save', and 'jump to...', along with a 'Print Forms' link and a task indicator showing '1 tasks'.

Click on the hyperlink to open a window that allows you to narrow a list potential diagnosis codes using order-specific filters. See example below:

Check-in Intake Exam Sign-off Checkout Established Patient 30
Ready For Provider - SFC, PEDI, PULM, SNW, Waiting Room

facesheet health history quality management reconciliation current encounter

Exam

1. Screening for malignant neoplasm of cervix [update](#)

Notes

ICD-10 code

Add Ord pap

108 matches [Hide filters](#)

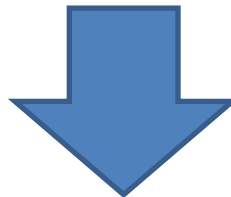
Age	Trimester	Site	Fetus affected
<input type="checkbox"/> Pediatric	<input type="checkbox"/> First trimester	<input type="checkbox"/> Anus	<input type="checkbox"/> Fetus 1 <input type="checkbox"/> Fetus 5
<input type="checkbox"/> Maternal	<input type="checkbox"/> Second trimester	<input type="checkbox"/> Cervical	<input type="checkbox"/> Fetus 2 <input type="checkbox"/> Other fetus
	<input type="checkbox"/> Third trimester	<input type="checkbox"/> Cervix	<input type="checkbox"/> Fetus 3 <input type="checkbox"/> Not applicable or unspecified
	<input type="checkbox"/> Unspecified trimester	<input type="checkbox"/> Cervix uteri	<input type="checkbox"/> Fetus 4
		<input type="checkbox"/> Eye	
		<input type="checkbox"/> Intracranial	
		<input type="checkbox"/> Kidney	
		<input type="checkbox"/> Multiple	
		<input type="checkbox"/> Muscle	
		<input type="checkbox"/> Ocular	
		<input type="checkbox"/> Skin	
		<input type="checkbox"/> Skin and subcutaneous tissue	
		<input type="checkbox"/> Tongue	
		<input type="checkbox"/> Vagina	

2. Screening for malignant neoplasm of cervix [update](#)

ICD-10 code

Add Ord H47.10 Unspecified papilledema
B34.4 Papovavirus infection, unspecified
A93.1 Sandfly fever
A66.1 Multiple papillomata and wet crab warts

Done with Exam Save jump to... Print Forms
rconrad2 SFC_PEDI_PULM_SNW 0 1 tasks



Add ICD-10 Code Close X

pap

62 matches [Hide filters](#)

Age	Trimester	Site	Fetus affected
<input type="checkbox"/> Pediatric	<input type="checkbox"/> First trimester	<input type="checkbox"/> Anus	<input type="checkbox"/> Fetus 1 <input type="checkbox"/> Fetus 5
<input type="checkbox"/> Maternal	<input type="checkbox"/> Second trimester	<input type="checkbox"/> Cervical	<input type="checkbox"/> Fetus 2 <input type="checkbox"/> Other fetus
	<input type="checkbox"/> Third trimester	<input checked="" type="checkbox"/> Cervix	<input type="checkbox"/> Fetus 3 <input type="checkbox"/> Not applicable or unspecified
	<input type="checkbox"/> Unspecified trimester	<input type="checkbox"/> Cervix uteri	<input type="checkbox"/> Fetus 4
		<input type="checkbox"/> Eye	
		<input type="checkbox"/> Intracranial	
		<input type="checkbox"/> Kidney	
		<input type="checkbox"/> Multiple	
		<input type="checkbox"/> Muscle	
		<input type="checkbox"/> Ocular	
		<input type="checkbox"/> Skin	
		<input type="checkbox"/> Skin and subcutaneous tissue	
		<input type="checkbox"/> Tongue	
		<input type="checkbox"/> Vagina	

Best matches

- R87.611 Atypical squamous cells cannot exclude high grade squamous intraepithelial lesion on cytologic smear of cervix (ASC-H)
- Z12.4 Encounter for screening for malignant neoplasm of cervix
- R87.613 High grade squamous intraepithelial lesion on cytologic smear of cervix (HGSIL)
- R87.612 Low grade squamous intraepithelial lesion on cytologic smear of cervix (LGSIL)
- R87.615 Unsatisfactory cytologic smear of cervix
- R87.610 Atypical squamous cells of undetermined significance on cytologic smear of cervix (ASC-US)
- R87.614 Cytologic evidence of malignancy on smear of cervix
- R87.820 Cervical low risk human papillomavirus (HPV) DNA test positive
- R87.810 Cervical high risk human papillomavirus (HPV) DNA test positive
- R87.616 Satisfactory cervical smear but lacking transformation zone

Other matches

Select the appropriate diagnosis code with the highest degree of specificity that can be supported by accompanying clinical documentation.

Supporting Documentation (PE Templates):

Structured physical exam templates—see example below—contain assessment descriptions that are customizable by provider. These templates are a prime example of an area of clinical documentation in which supporting details regarding code specificity should be addressed. As mentioned above, it is imperative that the signs / symptoms documented in this section support the ICD-10 diagnosis code ultimately selected. As such, it is recommended that providers customize their templates in a manner that facilitates a level of documentation that matches the accompanying diagnosis.

Neurology Exam

- ▢ ▾ Constitutional
 - ▷ Weight: [well-nourished](#), [morbidly obese](#), [obese](#), [thin](#) [addtl notes](#)
 - ▷ Ambulation: [ambulates independently](#), [ambulates w/ crutches](#), [ambulates w/ cane](#), [ambulates w/ walker](#), [non-ambulatory](#) [addtl notes](#)
- ▢ ▾ Head
 - ▷ Size/Trauma: [normocephalic](#), [atraumatic](#), [macrocephalic](#), [microcephalic](#), [evidence of trauma](#) [addtl notes](#)
- ▢ ▾ Mental Status
 - ▷ Orientation: [oriented to person](#), [oriented to place](#), [oriented to problem](#), [oriented to time](#), [disoriented to person](#), [disoriented to place](#), [disoriented to problem](#), [disoriented to time](#) [addtl notes](#)
 - ▷ Mood/Affect: [appropriate mood](#), [appropriate affect](#), [anger](#), [anxiety](#), [depressed](#), [paranoia](#) [addtl notes](#)
 - ▷ Language: [can appropriately name objects](#), [does not repeat phrases](#), [has spontaneous speech](#), [can appropriately name objects](#), [repeats phrases](#), [does not have spontaneous speech](#) [addtl notes](#)
 - ▷ Memory: [recent memory intact](#), [remote memory intact](#), [recent memory impaired](#), [remote memory impaired](#) [addtl notes](#)

Future Orders

For future orders that are entered into athenahealth with order dates that are post-10/1 ICD-10 go-live, the system will prompt the user to enter an ICD-10 code to tether to the order, as illustrated in the diagram below:

New Orders

CBC ↑ ↓ ×

Source: Historical order #4289101 (01/28/2015)

Send To: [ESOTERIX INC COAGULATION: 4301 LOST HILLS ROAD, CALABASAS HILLS CA 91301, Ph \(800\) 444-9111, Fax \(818\) 878-0030](#)

Lab Order Details ⓘ 028142 CBC, PLATELET; NO DIFFERENTIAL

CC Results [Add recipients](#)

Priority STAT Standing Send 11/08/2015 (6 months) Return to Office

Note: this order will be performed after the ICD-10 transition date. Please select an ICD-10 code.

ICD-10 code ×

[Add ICD-10 code](#)

Alarm

Note to Lab

Internal Note

Summary

The pathways for selecting a patient diagnosis in athenahealth often yield an unspecified ICD-10 diagnosis code. It is recommended that providers manually select the most specific code that is supportable by clinical documentation. The intended outcome of this document is to help providers achieve proficiency in selecting ICD-10 codes with the appropriate level of specificity.