**Preventive Dashboard Algorithms**

***All algorithms preferentially work from the entered “next due” for all measures. The algorithms below show what happens when a “next due” is not entered.***

**Tetanus**

Population:

Age: 19+

Gender: male and female

Criteria:

If no Tdap since age 19, will indicate “Due now for Tdap”

If no Td or Tdap in the past 10 years, will indicate “Due now for Td”

**PCV13**

General Population:

Age : 65+, no prior PCV13 since age 19

Gender: male and female

Criteria:

Haven’t had PPSV23 in past year

*High Risk Population:*

Age: 19-65.

Gender: male and female

Medical conditions: Chronic renal failure (CKD 4), nephrotic syndrome, asplenia, CSF leak or cochlear implant (must be on problem list)

Criteria:

If no PCV13, “Due now for PCV13”

**PPSV23**

General Population:

Age: 65+, no prior PPSV23 since age 19

Gender: male and female

Criteria: If PCV13 was given greater than 1 year ago, “due now for PPSV23”.

Notes: If patient age 65+ has not had PPSV23 or PCV13, system will indicate that he/she is due for the PCV13 first. If patient had prior PPSV23, the Preventive Dashboard will not indicate “due now for PPSV23” unless there has been a 5 year interval since the last PPSV23

*High Risk Population:*

Age: 19-65

Gender: male and female

Medical conditions: heart disease, lung disease, liver disease, DM, alcoholism, tobacco (excludes chewing tobacco, includes e-cigs), HIV, CKD 4, nephrotic syndrome, asplenia, CSF leak or cochlear implant (must be on problem list)

Criteria: If no PPSV23, “Due now for PPSV23”

Note: If patient has HIV, CKD 4, nephritic syndrome, asplenia, the Preventive Dashboard will indicate that he/she needs a second PPSV23 5 years after first even if still under age 65. These folks still need 3rd dose after age 65. For high risk patients under the age of 65, the Preventive Dashboard knows that there must be **8 week** interval between PCV13 and PPSV23.

**Mammogram**

Population:

Age: 40-75

Gender: females

Criteria:

If no prior mammogram, then recommends “due now”

If last mammogram normal, recommends 2 year follow-up.

**Bone density (DEXA)**

Population:

Age: 65

Gender: Female

Criteria:

If no “next due” entered, assumes 5 year follow up.

**Colon cancer screening – (includes colonoscopy, cologuard and FIT)**

Population:

Age 50-75

Gender: male and female

Colonoscopy Criteria:

If no prior colonoscopy, then the patient is due now.

If no “next due” has been entered and prior colonoscopy with report that contains “adenoma”, then the Preventive Dashboard assumes a 3 years follow up.

If no “next due” and prior colonoscopy was normal, but problem list includes the diagnosis of colon polyps, then the Preventive Dashboard assumes a 5 year follow up.

If no “next due” and prior colonoscopy was normal and no colon polyps on problem list, then the Preventive Dashboard assumes a 10 year follow up.

FIT Criteria:

If last FIT test was positive, and there is no record of a follow up colonoscopy, then the Preventive Dashboard will indicate that this patient is due for a colonoscopy.

If last FIT test was negative, then the Preventive Dashboard assumes a1 year follow up.

Cologuard Criteria:

Same as FIT test with 3 year interval instead of 1 year.

Notes:

If any of the three screening tests (colonoscopy, cologuard, FIT) are up to date, then patient is considered “Up to date”. The Preventive Dashboard always indicates next due based on the screening test with the most distant repeat date. The Preventive Dashboard assumes the next screening test will be the same as the prior test – i.e. if a patient last had a FIT test, the system assumes he/she will have a FIT test as the next screening test.

**Cervical cancer screening**

Population:

Age: 21-65, excludes those with hysterectomy on the problem list

Gender: female

Pap Smear Criteria:

If last pap was abnormal, assumes 1 year follow up testing.

If patient age 21-29 and prior pap normal, then assumes 3 year follow up testing.

If patient age 30-65, prior pap and HPV both normal, then assumes 5 year follow up testing.

HPV Criteria (will only display for patients age 30-65):

If last HPV positive, recommends 1 year follow up testing.

If last pap abnormal, recommends HPV testing in 1 year.

If HPV normal, pap normal, then assumes 5 year follow up testing.

**AAA screening**

Population:

Age: 65-75

Gender: male, with smoking status doesn’t say “never”

Criteria:

If no prior AAA screening, then due now.

**Hep C screening**

Population:

Born between 1945-1955

Gender: male and female

Criteria:

If no prior Hep C, then due now.