Document Links:

CTR Instrument

REVSTAT
REVIEW STATUS (not abstracted)
0. Abstraction has not begun
1. Abstraction in progress
2. Abstraction completed w/o errors
3. TVG failure (exclusion)
4. Record contains missing required answers
5. Administrative exclusion from all measures

ADMFOBT
During the timeframe from (computer display fobtdt to fobtdt +7 days), was the patient admitted to an inpatient setting?
1. Yes
2. No

FOBTVAL
Computer to pre-fill the result of the FOBT/FIT reported during the timeframe from (computer to display stdybeg) to (computer to display stdyend).

FOBTDT
Computer to pre-fill the date the FOBT/FIT was reported.
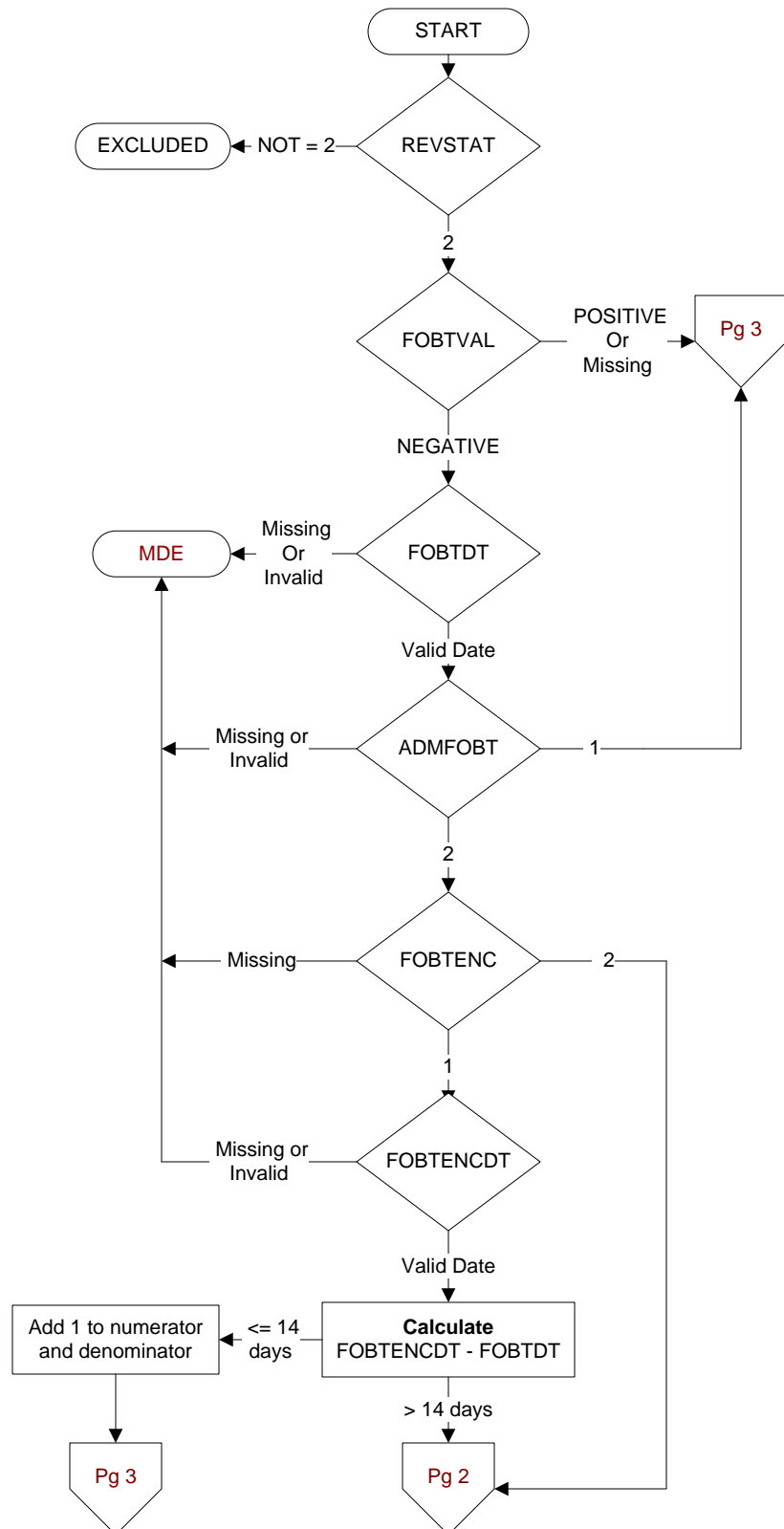
FOBTENC
During the timeframe from (computer display fobtdt to fobtdt + 30 days), did the patient have a face to face encounter with a physician/APN/PA?
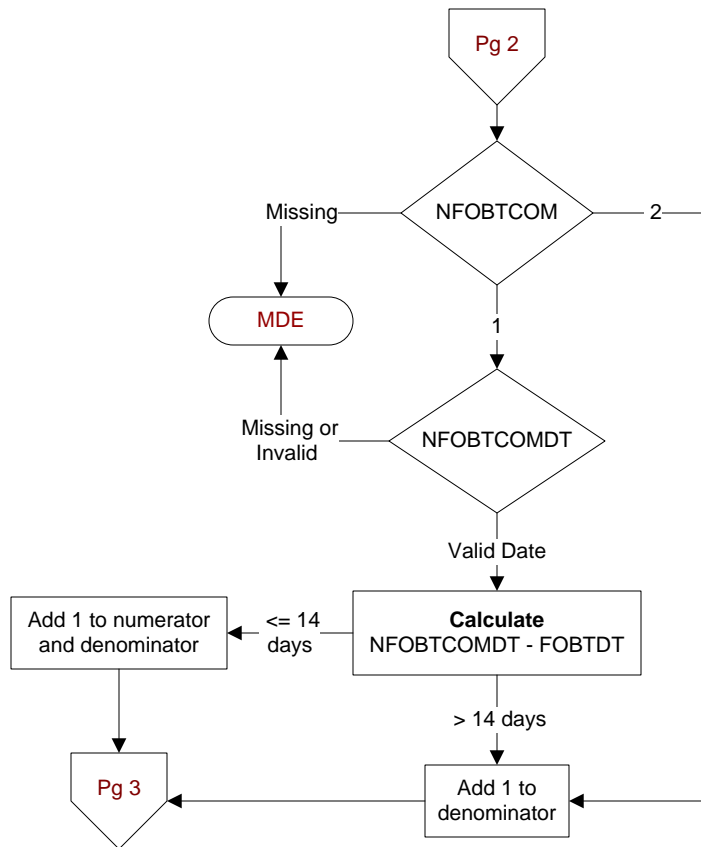1. Yes
2. No

FOBTENCDT
Enter the earliest date of the face to face encounter with a physician/APN/PA.

MDE = Missing or Invalid Data Exclusion (data error)

START

REVSTAT — NOT = 2 → EXCLUDED

REVSTAT → 2 → FOBTVAL

FOBTVAL → POSITIVE Or Missing → Pg 3

FOBTVAL → NEGATIVE → FOBTDT

FOBTDT → Missing Or Invalid → MDE

FOBTDT → Valid Date → ADMFOBT

ADMFOBT → Missing or Invalid → (MDE)

ADMFOBT → 1 → Pg 3

ADMFOBT → 2 → FOBTENC

FOBTENC → Missing → (MDE)

FOBTENC → 2 → Pg 2

FOBTENC → 1 → FOBTENCDT

FOBTENCDT → Missing or Invalid → (MDE)

FOBTENCDT → Valid Date → **Calculate** FOBTENCDT - FOBTDT

Calculate FOBTENCDT - FOBTDT → <= 14 days → Add 1 to numerator and denominator

Calculate FOBTENCDT - FOBTDT → > 14 days → Pg 2

Add 1 to numerator and denominator → Pg 3

Pg 2

Missing —— NFOBTCOM —— 2

MDE

NFOBTCOMDT

Missing or Invalid

Valid Date

Calculate
NFOBTCOMDT - FOBTDT

<= 14 days → Add 1 to numerator and denominator

> 14 days

Add 1 to denominator

Pg 3

1

NFOBTCOM
During the timeframe from (computer display fobtdt to fobtdt + 30 days), was the FOBT/FIT result communicated to the patient by any of the following methods?
 • My HealtheVet Premium account
 • Letter - does not have to be sent by certified mail.
 • Secure messaging is a confidential message functionality of
   My HealtheVet similar to email between patient and provider for
   non-urgent matters
 • Clinical Video Telehealth (CVT) refers to real time clinic based
   video encounter between the patient and provider.
 • Telephone

1. Yes
2. No

NFOBTCOMDT
Enter the **earliest** date the FOBT/FIT result was communicated to the patient.

HCVDT1
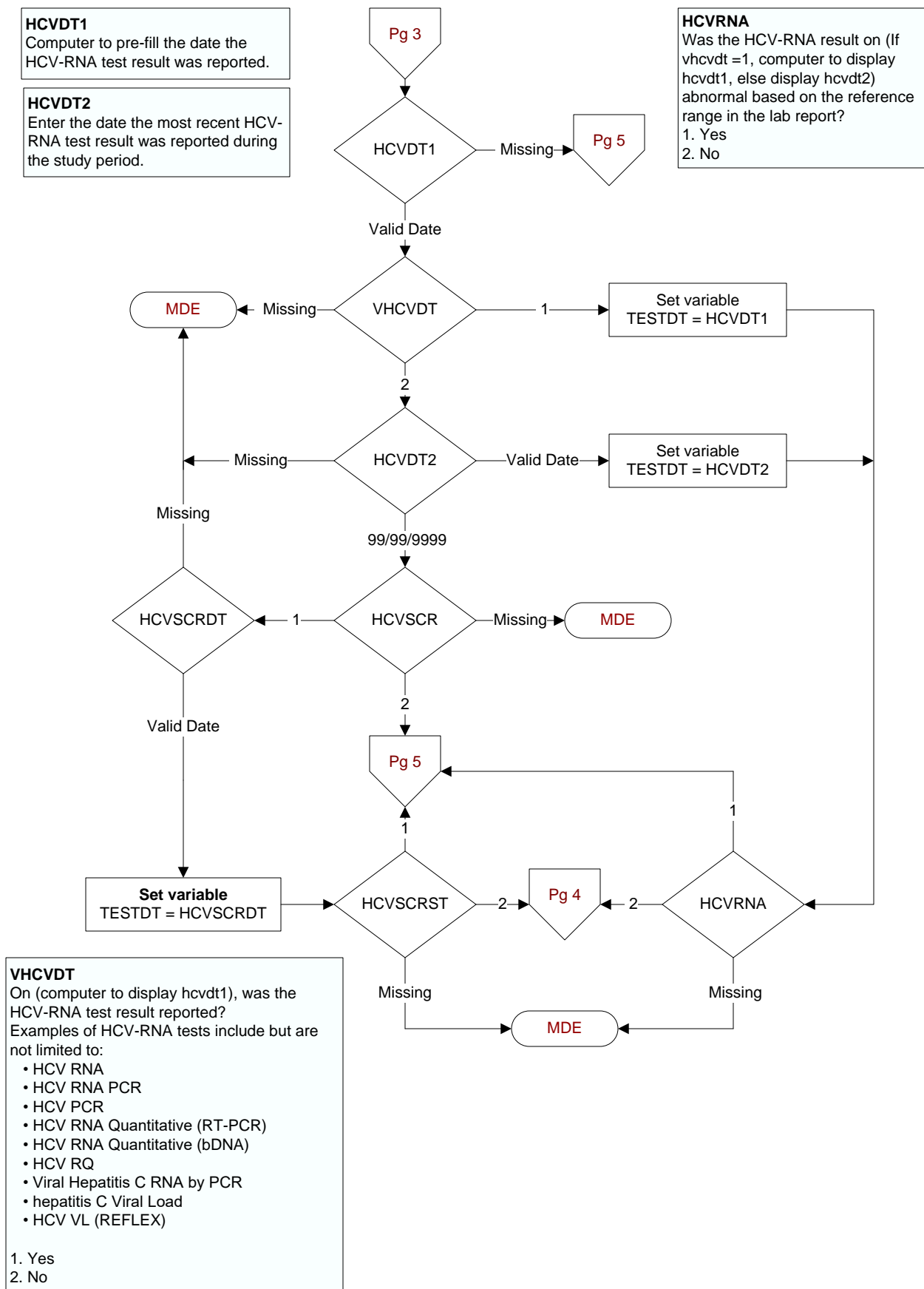Computer to pre-fill the date the HCV-RNA test result was reported.
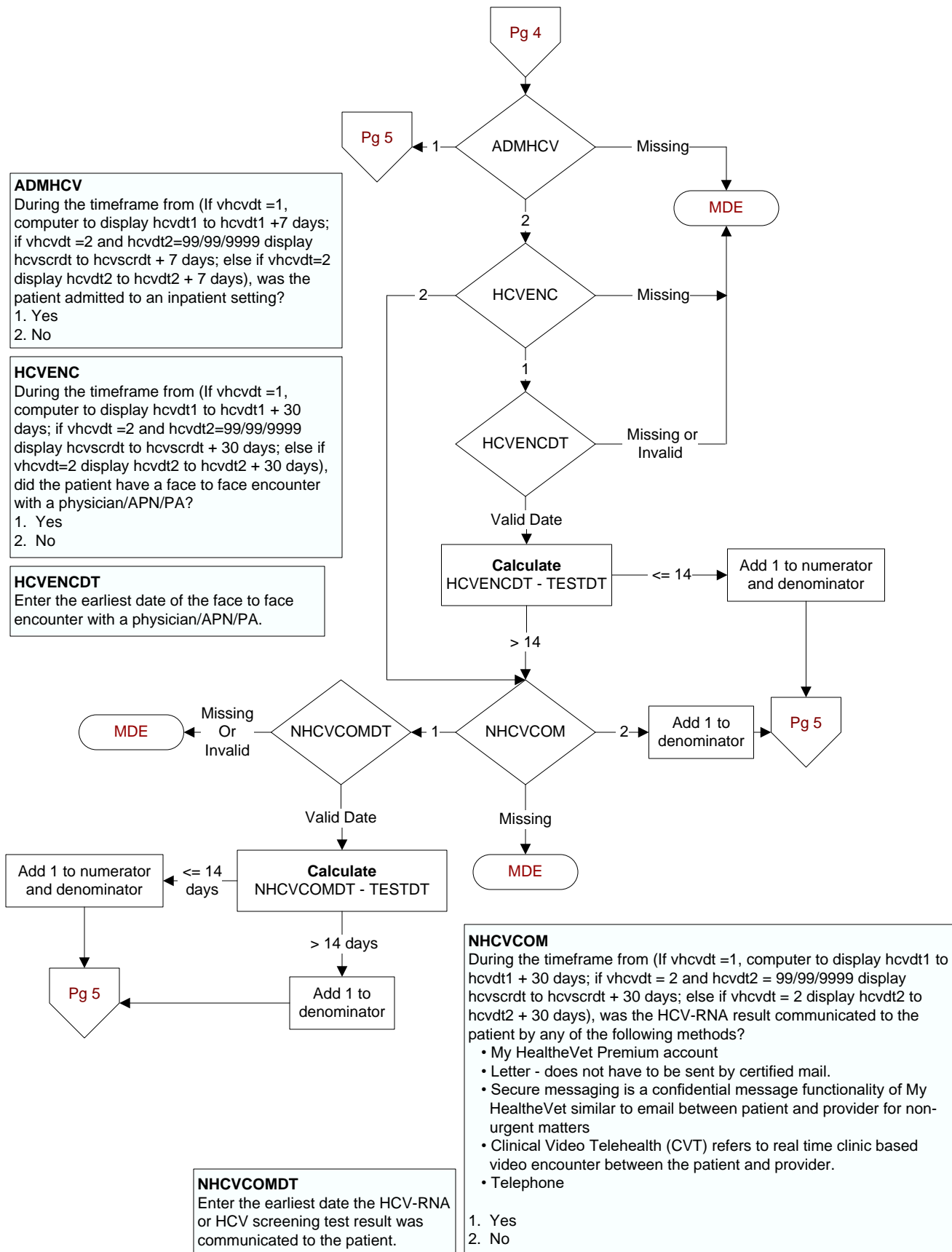
HCVDT2
Enter the date the most recent HCV-RNA test result was reported during the study period.

Pg 3

HCVRNA
Was the HCV-RNA result on (If vhcvdt =1, computer to display hcvdt1, else display hcvdt2) abnormal based on the reference range in the lab report?
1. Yes
2. No

HCVDT1 —— Missing —→ Pg 5

Valid Date ↓

MDE ←— Missing —— VHCVDT —— 1 —→ Set variable TESTDT = HCVDT1

↓ 2

Missing ←—— HCVDT2 —— Valid Date —→ Set variable TESTDT = HCVDT2

Missing ↓

↓ 99/99/9999

HCVSCRDT ←— 1 —— HCVSCR —— Missing —→ MDE

Valid Date ↓ 2

Set variable TESTDT = HCVSCRDT

Pg 5

1 ↑

Set variable TESTDT = HCVSCRDT —→ HCVSCRST —— 2 —→ Pg 4 ←— 2 —— HCVRNA

1 —→ Pg 5

Missing ↓   Missing ↓

MDE ←———————————————→ MDE

VHCVDT
On (computer to display hcvdt1), was the HCV-RNA test result reported?
Examples of HCV-RNA tests include but are not limited to:
 • HCV RNA
 • HCV RNA PCR
 • HCV PCR
 • HCV RNA Quantitative (RT-PCR)
 • HCV RNA Quantitative (bDNA)
 • HCV RQ
 • Viral Hepatitis C RNA by PCR
 • hepatitis C Viral Load
 • HCV VL (REFLEX)

1. Yes
2. No

Pg 4

Pg 5 ◄— 1 — **ADMHCV** — Missing —►

ADMHCV
During the timeframe from (If vhcvdt =1, computer to display hcvdt1 to hcvdt1 +7 days; if vhcvdt =2 and hcvdt2=99/99/9999 display hcvscrdt to hcvscrdt + 7 days; else if vhcvdt=2 display hcvdt2 to hcvdt2 + 7 days), was the patient admitted to an inpatient setting?
1. Yes
2. No

MDE

2

2 — **HCVENC** — Missing —►

HCVENC
During the timeframe from (If vhcvdt =1, computer to display hcvdt1 to hcvdt1 + 30 days; if vhcvdt =2 and hcvdt2=99/99/9999 display hcvscrdt to hcvscrdt + 30 days; else if vhcvdt=2 display hcvdt2 to hcvdt2 + 30 days), did the patient have a face to face encounter with a physician/APN/PA?
1. Yes
2. No

1

HCVENCDT — Missing or Invalid —►

HCVENCDT
Enter the earliest date of the face to face encounter with a physician/APN/PA.

Valid Date

Calculate
HCVENCDT - TESTDT — <= 14 —► Add 1 to numerator and denominator

> 14

Pg 5

MDE ◄— Missing Or Invalid — **NHCVCOMDT** — 1 — **NHCVCOM** — 2 —► Add 1 to denominator

Pg 5

Valid Date

Add 1 to numerator and denominator ◄— <= 14 days — **Calculate** NHCVCOMDT - TESTDT

Missing

MDE

> 14 days

Pg 5 ◄— Add 1 to denominator

NHCVCOM
During the timeframe from (If vhcvdt =1, computer to display hcvdt1 to hcvdt1 + 30 days; if vhcvdt = 2 and hcvdt2 = 99/99/9999 display hcvscrdt to hcvscrdt + 30 days; else if vhcvdt = 2 display hcvdt2 to hcvdt2 + 30 days), was the HCV-RNA result communicated to the patient by any of the following methods?
  • My HealtheVet Premium account
  • Letter - does not have to be sent by certified mail.
  • Secure messaging is a confidential message functionality of My HealtheVet similar to email between patient and provider for non-urgent matters
  • Clinical Video Telehealth (CVT) refers to real time clinic based video encounter between the patient and provider.
  • Telephone

1. Yes
2. No

NHCVCOMDT
Enter the earliest date the HCV-RNA or HCV screening test result was communicated to the patient.

AFPVAL
Computer to pre-fill the result of the AFP reported during the timeframe from (computer to display stdybeg) to (computer to display stdyend).

AFPDT
Computer to pre-fill the date the AFP result was reported.

ADMAFP
During the timeframe from (computer display afpdt to afpdt +7 days), was the patient admitted to an inpatient setting?
1. Yes
2. No

AFPENC
During the timeframe from (computer display afpdt to afpdt + 30 days), did the patient have a face to face encounter with a physician/APN/PA?
1. Yes
2. No

AFPENCDT
Enter the earliest date of the face to face encounter with a physician/APN/PA.

NAFPCOM
During the timeframe from (computer display afpdt to afpdt + 30 days), was the AFP result communicated to the patient by any of the following methods?
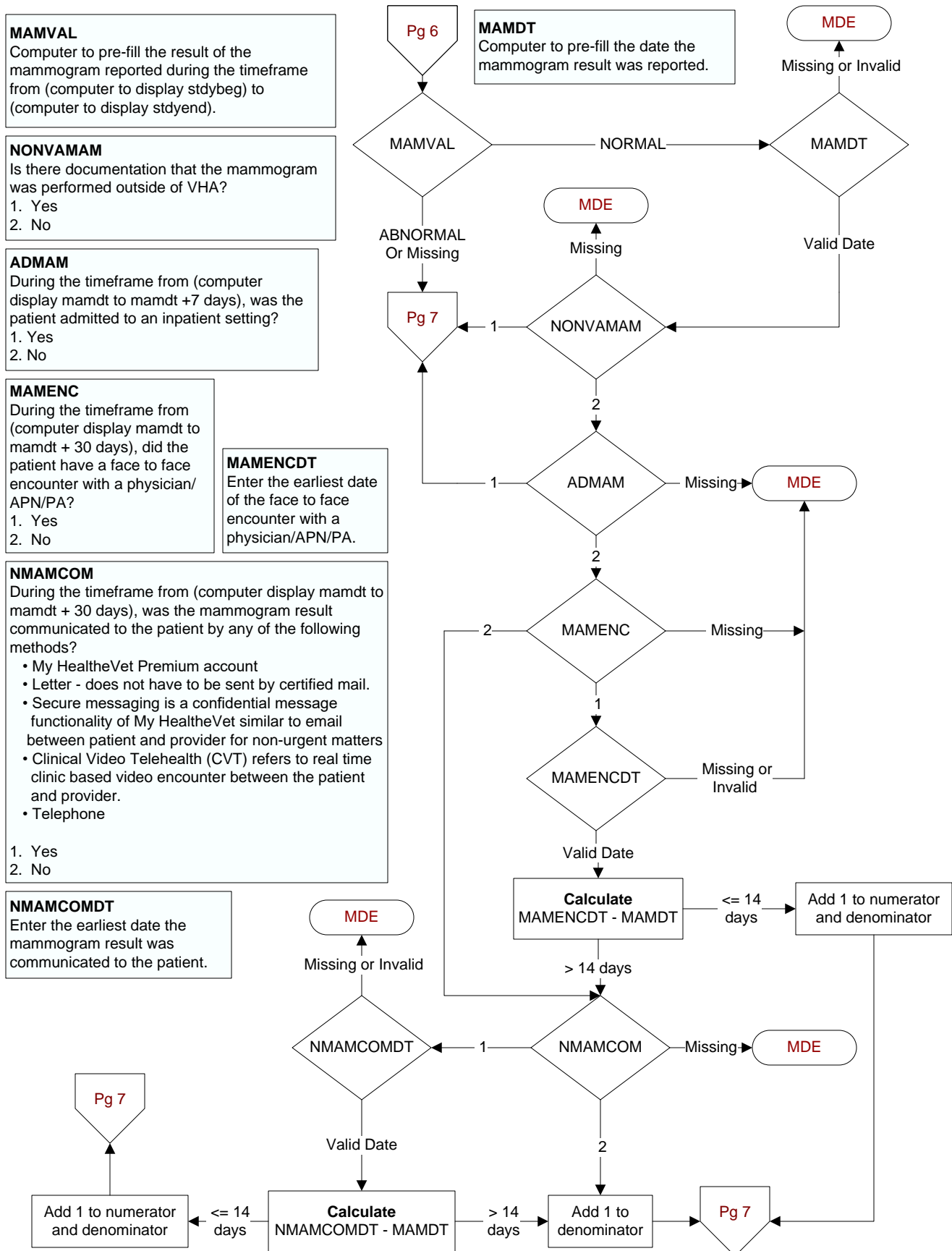 • My HealtheVet Premium account
  • Letter - does not have to be sent by certified mail.
  • Secure messaging is a confidential message functionality of My HealtheVet similar to email between patient and provider for non-urgent matters
  • Clinical Video Telehealth (CVT) refers to real time clinic based video encounter between the patient and provider.
  • Telephone

1. Yes
2. No

NAFPCOMDT
Enter the **earliest** date the AFP result was communicated to the patient.

Pg 5

AFPVAL

> 20 or Missing → Pg 6

>= 0 and <= 20

AFPDT — Missing Or Invalid → MDE

Valid Date

ADMAFP
— 1 → Pg 6
— Missing →
— 2

AFPENC
— 2
— Missing →
— 1

AFPENCDT — Missing or Invalid → MDE

Valid Date

Calculate AFPENCDT - AFPDT
— <= 14 days → Add 1 to numerator and denominator → Pg 6
— > 14 days

NAFPCOM
— 1 → NAFPCOMDT
— 2 → Add 1 to denominator → Pg 6
— Missing → MDE

NAFPCOMDT — Missing Or Invalid → MDE

Valid Date

Calculate NAFPCOMDT - AFPDT
— <= 14 days → Add 1 to numerator and denominator → Pg 6
— > 14 days → Add 1 to denominator → Pg 6

MAMVAL
Computer to pre-fill the result of the mammogram reported during the timeframe from (computer to display stdybeg) to (computer to display stdyend).

NONVAMAM
Is there documentation that the mammogram was performed outside of VHA?
1. Yes
2. No

ADMAM
During the timeframe from (computer display mamdt to mamdt +7 days), was the patient admitted to an inpatient setting?
1. Yes
2. No

MAMENC
During the timeframe from (computer display mamdt to mamdt + 30 days), did the patient have a face to face encounter with a physician/APN/PA?
1. Yes
2. No

MAMENCDT
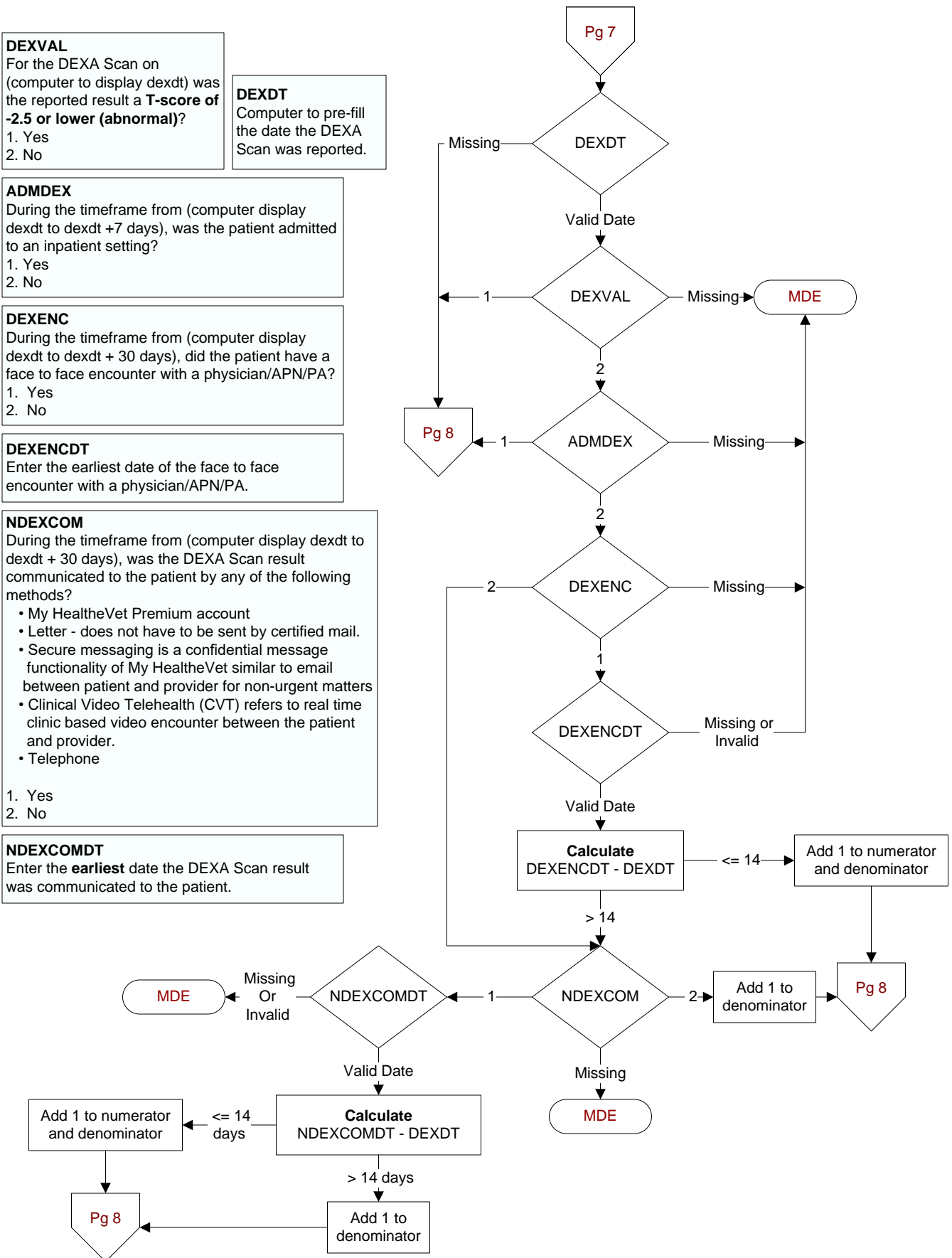Enter the earliest date of the face to face encounter with a physician/APN/PA.

NMAMCOM
During the timeframe from (computer display mamdt to mamdt + 30 days), was the mammogram result communicated to the patient by any of the following methods?
 • My HealtheVet Premium account
 • Letter - does not have to be sent by certified mail.
 • Secure messaging is a confidential message functionality of My HealtheVet similar to email between patient and provider for non-urgent matters
 • Clinical Video Telehealth (CVT) refers to real time clinic based video encounter between the patient and provider.
 • Telephone

1. Yes
2. No

NMAMCOMDT
Enter the earliest date the mammogram result was communicated to the patient.

MAMDT
Computer to pre-fill the date the mammogram result was reported.

Pg 6

MDE

MAMVAL —— NORMAL —→ MAMDT

MDE

ABNORMAL Or Missing

Pg 7 ←1— NONVAMAM ←— Valid Date

Missing → MDE (MAMDT: Missing or Invalid → MDE)

2

1 — ADMAM — Missing → MDE

2

2 — MAMENC — Missing → MDE

1

MAMENCDT — Missing or Invalid → MDE

Valid Date

Calculate MAMENCDT - MAMDT — <= 14 days → Add 1 to numerator and denominator

> 14 days

MDE

Missing or Invalid

NMAMCOMDT ←1— NMAMCOM — Missing → MDE

Pg 7

Valid Date

2

Add 1 to numerator and denominator ←— <= 14 days —— **Calculate** NMAMCOMDT - MAMDT —— > 14 days —→ Add 1 to denominator → Pg 7

DEXVAL
For the DEXA Scan on (computer to display dexdt) was the reported result a **T-score of -2.5 or lower (abnormal)**?
1. Yes
2. No

DEXDT
Computer to pre-fill the date the DEXA Scan was reported.

ADMDEX
During the timeframe from (computer display dexdt to dexdt +7 days), was the patient admitted to an inpatient setting?
1. Yes
2. No

DEXENC
During the timeframe from (computer display dexdt to dexdt + 30 days), did the patient have a face to face encounter with a physician/APN/PA?
1. Yes
2. No

DEXENCDT
Enter the earliest date of the face to face encounter with a physician/APN/PA.
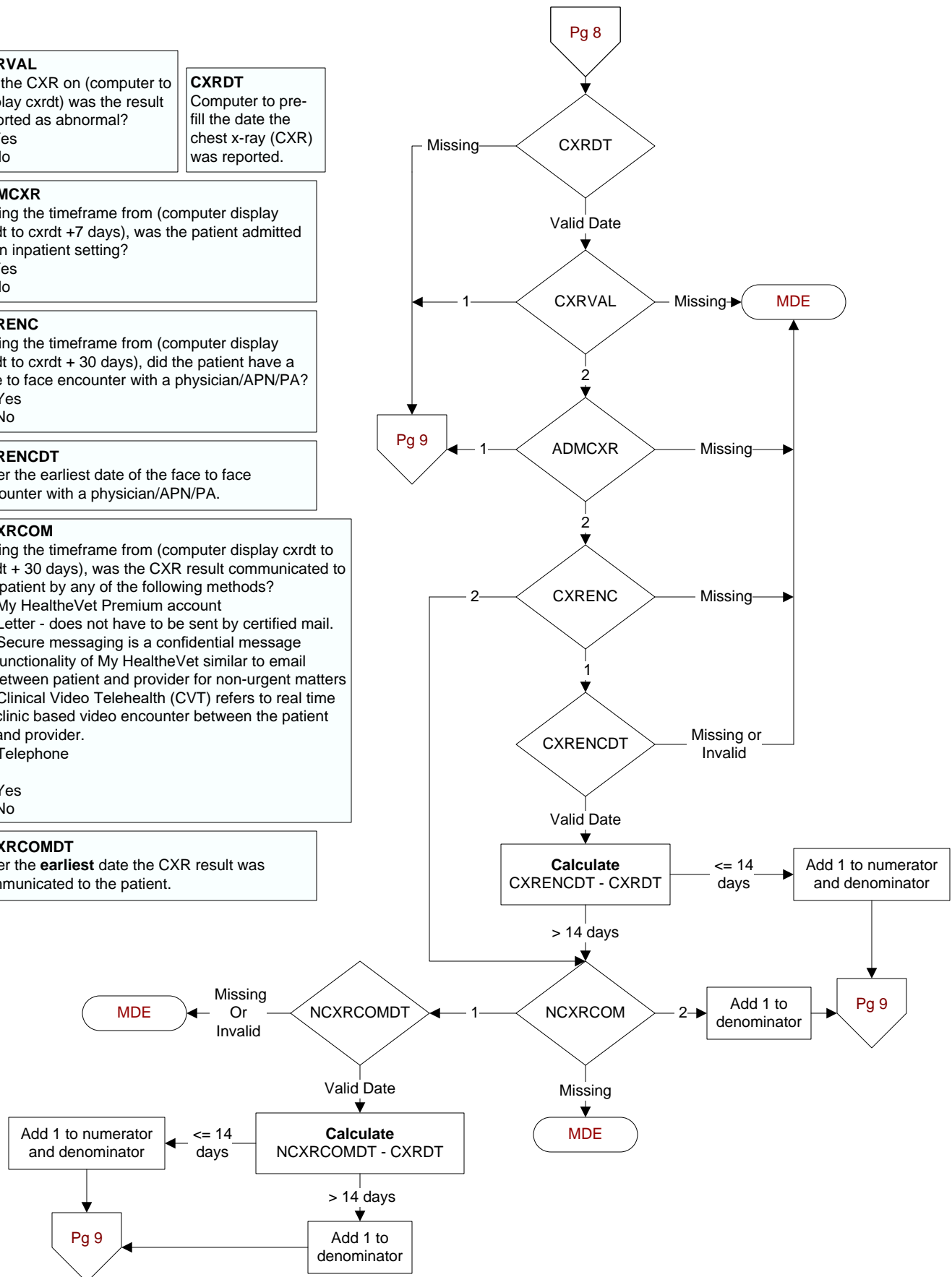
NDEXCOM
During the timeframe from (computer display dexdt to dexdt + 30 days), was the DEXA Scan result communicated to the patient by any of the following methods?
• My HealtheVet Premium account
• Letter - does not have to be sent by certified mail.
• Secure messaging is a confidential message functionality of My HealtheVet similar to email between patient and provider for non-urgent matters
• Clinical Video Telehealth (CVT) refers to real time clinic based video encounter between the patient and provider.
• Telephone

1. Yes
2. No

NDEXCOMDT
Enter the **earliest** date the DEXA Scan result was communicated to the patient.

Pg 7

DEXDT — Missing → Pg 8

DEXDT — Valid Date

DEXVAL — 1 → Pg 8
DEXVAL — Missing → MDE
DEXVAL — 2

ADMDEX — 1 → Pg 8
ADMDEX — Missing → MDE
ADMDEX — 2

DEXENC — 2
DEXENC — Missing → MDE
DEXENC — 1

DEXENCDT — Missing or Invalid → MDE
DEXENCDT — Valid Date

Calculate DEXENCDT - DEXDT
<= 14 → Add 1 to numerator and denominator → Pg 8
> 14

NDEXCOM — 1 → NDEXCOMDT
NDEXCOM — 2 → Add 1 to denominator → Pg 8
NDEXCOM — Missing → MDE

NDEXCOMDT — Missing Or Invalid → MDE
NDEXCOMDT — Valid Date

Calculate NDEXCOMDT - DEXDT
<= 14 days → Add 1 to numerator and denominator → Pg 8
> 14 days → Add 1 to denominator → Pg 8

CXRVAL
For the CXR on (computer to display cxrdt) was the result reported as abnormal?
1. Yes
2. No

CXRDT
Computer to pre-fill the date the chest x-ray (CXR) was reported.

ADMCXR
During the timeframe from (computer display cxrdt to cxrdt +7 days), was the patient admitted to an inpatient setting?
1. Yes
2. No

CXRENC
During the timeframe from (computer display cxrdt to cxrdt + 30 days), did the patient have a face to face encounter with a physician/APN/PA?
1. Yes
2. No

CXRENCDT
Enter the earliest date of the face to face encounter with a physician/APN/PA.
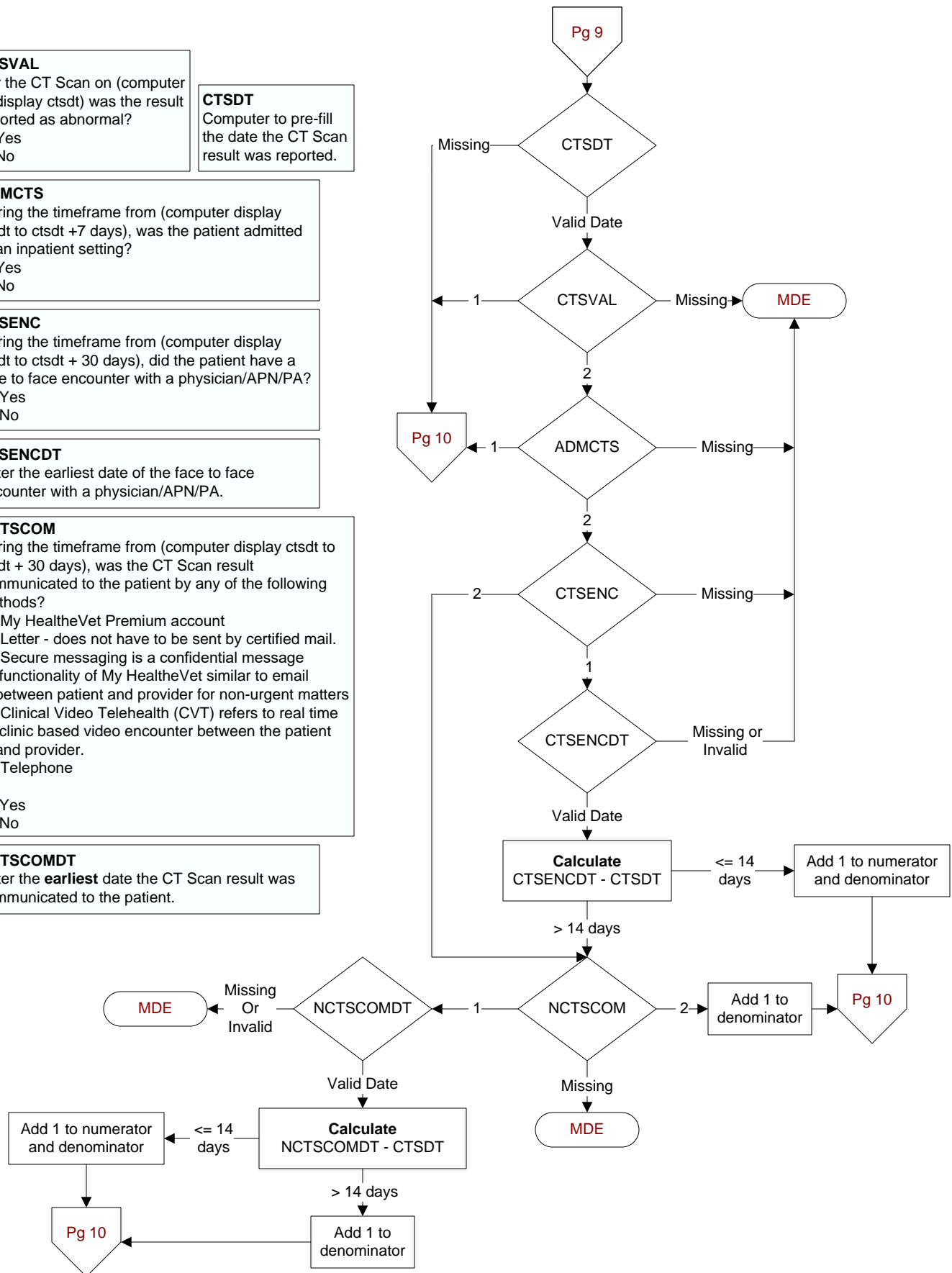
NCXRCOM
During the timeframe from (computer display cxrdt to cxrdt + 30 days), was the CXR result communicated to the patient by any of the following methods?
  • My HealtheVet Premium account
  • Letter - does not have to be sent by certified mail.
  • Secure messaging is a confidential message functionality of My HealtheVet similar to email between patient and provider for non-urgent matters
  • Clinical Video Telehealth (CVT) refers to real time clinic based video encounter between the patient and provider.
  • Telephone

1. Yes
2. No

NCXRCOMDT
Enter the **earliest** date the CXR result was communicated to the patient.

Pg 8

CXRDT — Missing
CXRDT — Valid Date

CXRVAL — 1
CXRVAL — Missing → MDE
CXRVAL — 2

ADMCXR — 1 → Pg 9
ADMCXR — Missing
ADMCXR — 2

CXRENC — 2
CXRENC — Missing
CXRENC — 1

CXRENCDT — Missing or Invalid
CXRENCDT — Valid Date

Calculate CXRENCDT - CXRDT
<= 14 days → Add 1 to numerator and denominator
> 14 days

NCXRCOM — 2 → Add 1 to denominator → Pg 9
NCXRCOM — 1
NCXRCOM — Missing → MDE

NCXRCOMDT — Missing Or Invalid → MDE
NCXRCOMDT — Valid Date

Calculate NCXRCOMDT - CXRDT
<= 14 days → Add 1 to numerator and denominator → Pg 9
> 14 days → Add 1 to denominator → Pg 9

CTSVAL
For the CT Scan on (computer to display ctsdt) was the result reported as abnormal?
1. Yes
2. No

CTSDT
Computer to pre-fill the date the CT Scan result was reported.

ADMCTS
During the timeframe from (computer display ctsdt to ctsdt +7 days), was the patient admitted to an inpatient setting?
1. Yes
2. No

CTSENC
During the timeframe from (computer display ctsdt to ctsdt + 30 days), did the patient have a face to face encounter with a physician/APN/PA?
1. Yes
2. No

CTSENCDT
Enter the earliest date of the face to face encounter with a physician/APN/PA.

NCTSCOM
During the timeframe from (computer display ctsdt to ctsdt + 30 days), was the CT Scan result communicated to the patient by any of the following methods?
- My HealtheVet Premium account
- Letter - does not have to be sent by certified mail.
- Secure messaging is a confidential message functionality of My HealtheVet similar to email between patient and provider for non-urgent matters
- Clinical Video Telehealth (CVT) refers to real time clinic based video encounter between the patient and provider.
- Telephone

1. Yes
2. No

NCTSCOMDT
Enter the **earliest** date the CT Scan result was communicated to the patient.

Pg 9

CTSDT → Missing → Pg 10

CTSDT → Valid Date → CTSVAL

CTSVAL → 1 → Pg 10

CTSVAL → Missing → MDE

CTSVAL → 2 → ADMCTS

ADMCTS → 1 → Pg 10

ADMCTS → Missing → MDE

ADMCTS → 2 → CTSENC

CTSENC → 2 → NCTSCOM

CTSENC → Missing → MDE

CTSENC → 1 → CTSENCDT

CTSENCDT → Missing or Invalid → MDE

CTSENCDT → Valid Date → **Calculate** CTSENCDT - CTSDT

Calculate CTSENCDT - CTSDT → <= 14 days → Add 1 to numerator and denominator → Pg 10

Calculate CTSENCDT - CTSDT → > 14 days → NCTSCOM

NCTSCOM → 2 → Add 1 to denominator → Pg 10

NCTSCOM → Missing → MDE

NCTSCOM → 1 → NCTSCOMDT

NCTSCOMDT → Missing Or Invalid → MDE

NCTSCOMDT → Valid Date → **Calculate** NCTSCOMDT - CTSDT

Calculate NCTSCOMDT - CTSDT → <= 14 days → Add 1 to numerator and denominator → Pg 10

Calculate NCTSCOMDT - CTSDT → > 14 days → Add 1 to denominator → Pg 10

PAPDT
Computer to pre-fill the date the Pap test was collected.

PAPRPTDT
Enter the date of the pap test report.

PAPVAL
For the pap test reported on (computer display paprptdt), was the result reported as abnormal (or one of the following)?
-- atypical squamous cells of undetermined significance (ASCUS)
-- atypical squamous cells cannot exclude a high-grade squamous intraepithelial lesion
-- low grade squamous intraepithelial lesions, high grade squamous intraepithelial lesions
-- squamous cell carcinoma
-- atypical glandular cells
-- endocervical adenocarcinoma in situ
-- adenocarcinoma

1. Yes
2. No

HPVTEST
In association with the pap test reported on (computer display paprptdt), was a HPV test result reported?
1. Yes
2. No

HPVDT
Enter the date the HPV test result was reported.

ADMPAP
During the timeframe from (if hpvtest = 2, computer display paprptdt to paprptdt +7 days OR if hpvtest = 1, hpvdt to hpvdt + 7 days), was the patient admitted to an inpatient setting?
1. Yes
2. No

Pg 10

PAPDT — Missing

Valid Date

PAPRPTDT — Missing → MDE

99/99/9999

Valid Date

PAPVAL — Missing →

1

2

HPVTEST — Missing →

1

2

HPVDT — Missing or Invalid → MDE

Valid date

Set **REPORTDT** = most recent of PAPRPTDT or HPVDT

Set **REPORTDT** = PAPRPTDT

ADMPAP — Missing

1 → Pg 12

2

Pg 11
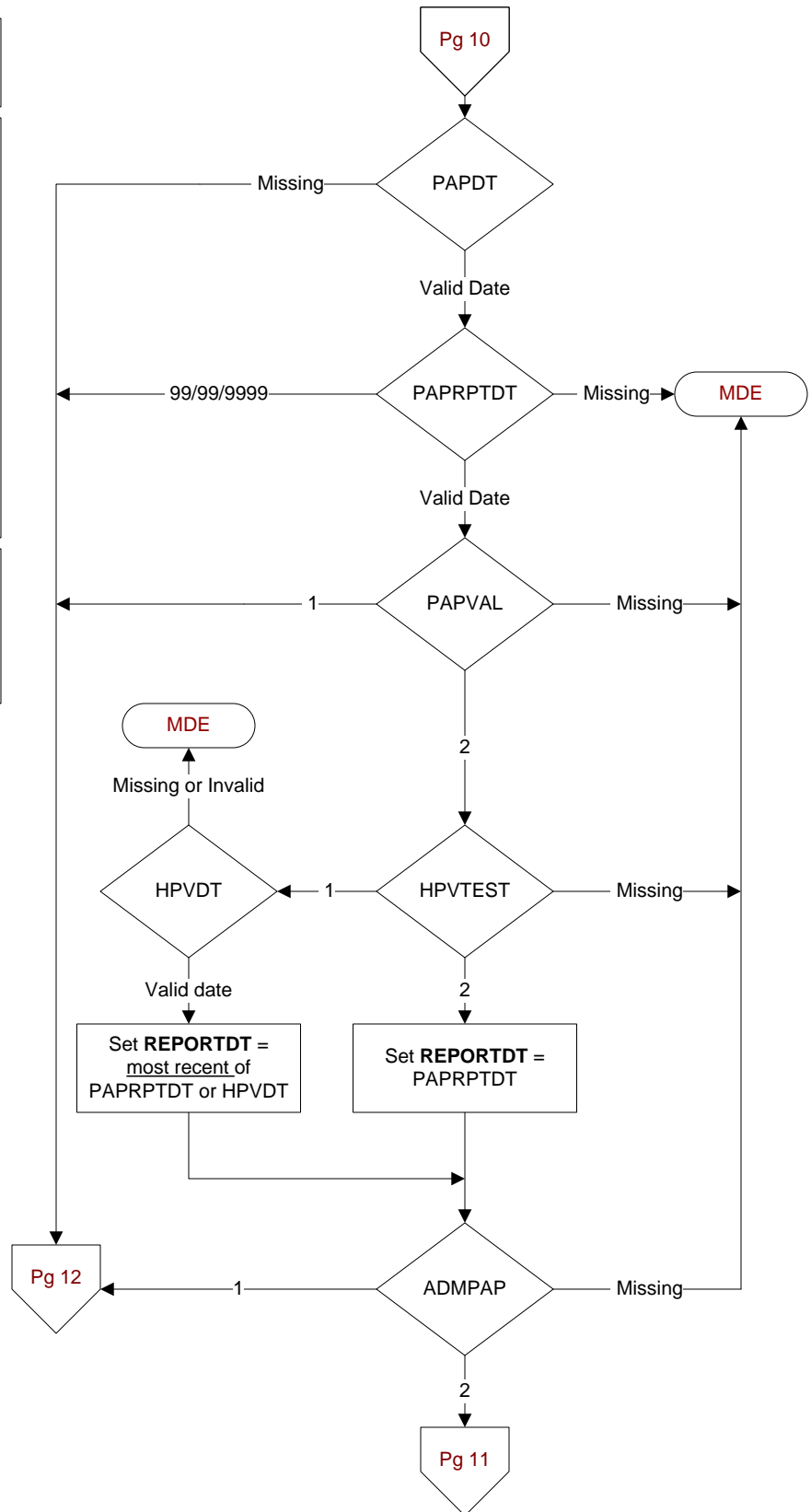
PAPENC
During the timeframe from (if hpvtest = 1 and hpvdt > paprptdt, computer display hpvdt to hpvdt + 30 days; else paprptdt tp paprptdt +30 days), did the patient have a face to face encounter with a physician/APN/PA?
1. Yes
2. No

PAPENCDT
Enter the earliest date of the face to face encounter with a physician/APN/PA.
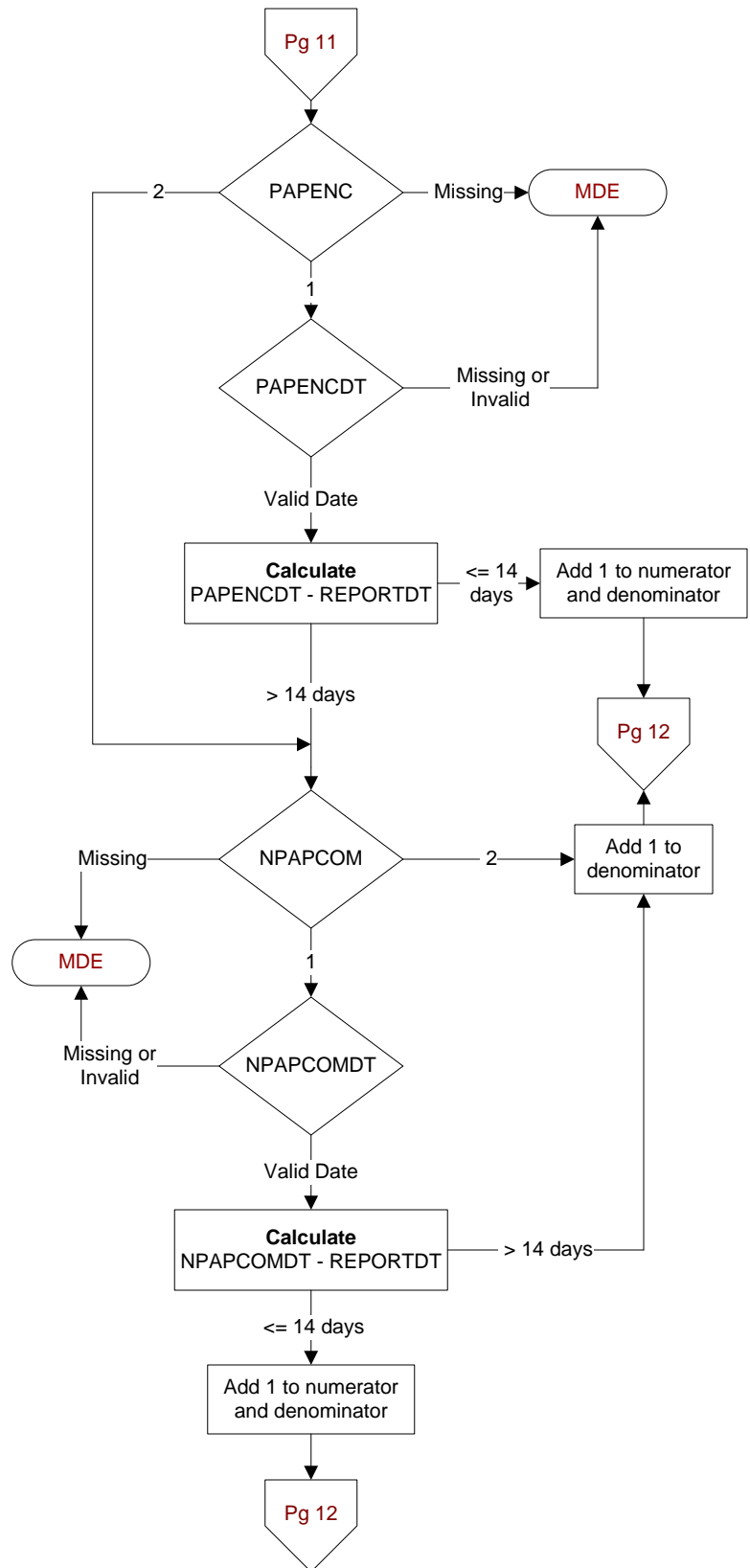
NPAPCOM
During the timeframe from (if hpvtest = 1 and hpvdt > paprptdt, computer display hpvdt to hpvdt + 30 days; else paprptdt tp paprptdt + 30 days), was the Pap result communicated to the patient by any of the following methods?
• My HealtheVet Premium account
• Letter - does not have to be sent by certified mail.
• Secure messaging is a confidential message functionality of My HealtheVet similar to email between patient and provider for non-urgent matters
• Telehealth refers to real time clinic based video encounter between the patient and provider.
• Telephone

1. Yes
2. No

NPAPCOMDT
Enter the **earliest** date the Pap result was communicated to the patient.

Pg 11

PAPENC
— 2
— Missing → MDE

1

PAPENCDT — Missing or Invalid → MDE

Valid Date

Calculate PAPENCDT - REPORTDT — <= 14 days → Add 1 to numerator and denominator → Pg 12

> 14 days

NPAPCOM
Missing → MDE
— 2 → Add 1 to denominator → Pg 12

Missing or Invalid → MDE

1

NPAPCOMDT

Valid Date

Calculate NPAPCOMDT - REPORTDT — > 14 days → Add 1 to denominator

<= 14 days

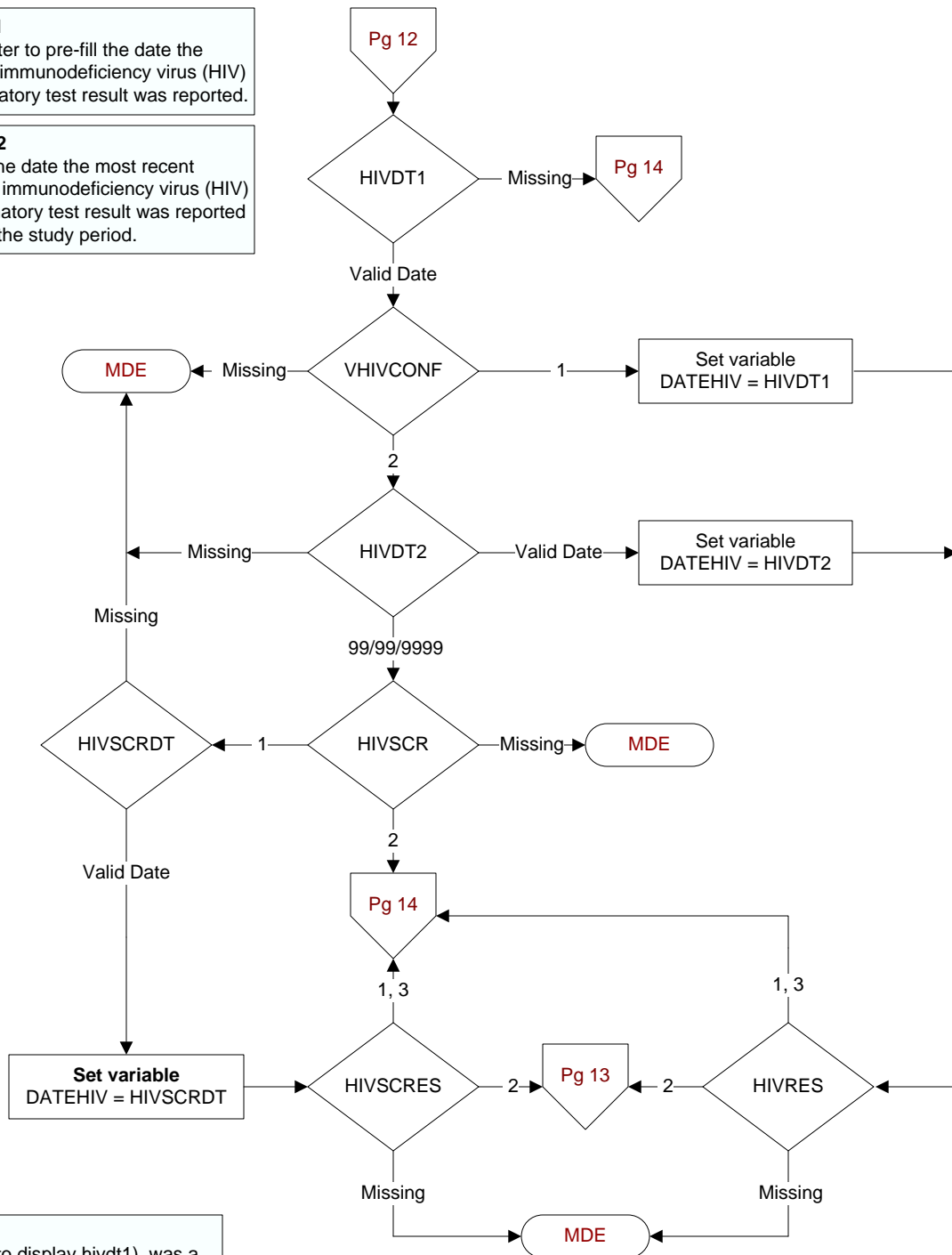Add 1 to numerator and denominator

Pg 12

HIVDT1
Computer to pre-fill the date the human immunodeficiency virus (HIV) confirmatory test result was reported.

HIVDT2
Enter the date the most recent human immunodeficiency virus (HIV) confirmatory test result was reported during the study period.

Pg 12

HIVDT1 → Missing → Pg 14

Valid Date

MDE ← Missing ← VHIVCONF → 1 → Set variable DATEHIV = HIVDT1

2

Missing ← HIVDT2 → Valid Date → Set variable DATEHIV = HIVDT2

Missing

99/99/9999

HIVSCRDT ← 1 ← HIVSCR → Missing → MDE

Valid Date

2

Pg 14

1, 3

Set variable DATEHIV = HIVSCRDT → HIVSCRES → 2 → Pg 13 ← 2 ← HIVRES

1, 3

Missing

Missing

MDE

VHIVCONF
On (computer to display hivdt1), was a human immunodeficiency virus (HIV) confirmatory test result reported?
Examples of HIV confirmatory tests include, but are not limited to:
 • Western blot
 • Indirect fluorescent antibody (IFA)
 • HIV Viral Load
 • HIV PCR
 • HIV RNA
 • HIV NAAT

1. Yes
2. No

HIVSCR
During the timeframe from (computer to display stdybeg to stdyend), was a screening test for HIV performed?
1. Yes
2. No

HIVSCRDT
Enter the date the HIV screening test result was reported.

HIVRES
What was the result of the confirmatory test for HIV?
1. Positive or reactive
2. Negative or nonreactive
3. Indeterminate

HIVSCRES
What was the result of the screening test for HIV?
1. Positive or reactive
2. Negative or nonreactive
3. Indeterminate

ADMHIV
During the timeframe from (If vhivconf = 1, computer to display hivdt1 to hcvdt1 + 7 days; if vhivconf = 2 and hivdt2 = 99/99/9999 display hivscrdt to hivscrdt + 7 days; else if vhivconf = 2 display hivdt2 to hivdt2 + 7 days), was the patient admitted to an inpatient setting?
1. Yes
2. No

HIVENC
During the timeframe from (If vhivconf =1, computer to display hivdt1 to hcvdt1 + 30 days; if vhivconf =2 and hivdt2=99/99/9999 display hivscrdt to hivscrdt + 30 days; else if vhivconf =2 display hivdt2 to hivdt2 + 30 days), did the patient have a face to face encounter with a physician/APN/PA?
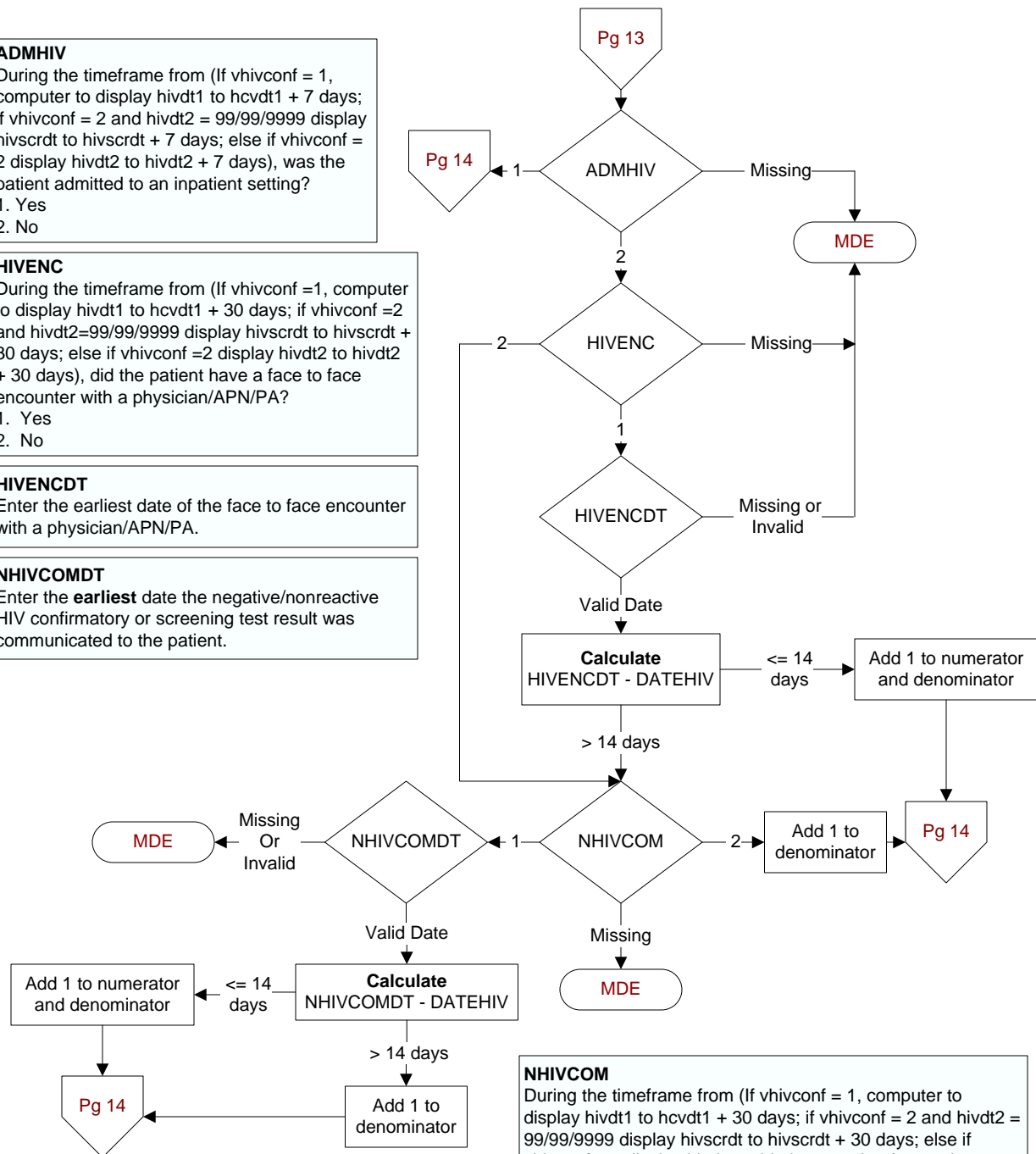1. Yes
2. No

HIVENCDT
Enter the earliest date of the face to face encounter with a physician/APN/PA.

NHIVCOMDT
Enter the **earliest** date the negative/nonreactive HIV confirmatory or screening test result was communicated to the patient.

Pg 13

ADMHIV
— Missing →
— 1 → Pg 14
2

MDE

HIVENC
— 2 →
— Missing →
1

HIVENCDT
— Missing or Invalid →
Valid Date

Calculate HIVENCDT - DATEHIV
— <= 14 days → Add 1 to numerator and denominator
> 14 days

NHIVCOM
— 2 → Add 1 to denominator → Pg 14
— 1 → NHIVCOMDT
Missing → MDE

NHIVCOMDT
— Missing Or Invalid → MDE
Valid Date

Calculate NHIVCOMDT - DATEHIV
— <= 14 days → Add 1 to numerator and denominator → Pg 14
> 14 days → Add 1 to denominator → Pg 14

NHIVCOM
During the timeframe from (If vhivconf = 1, computer to display hivdt1 to hcvdt1 + 30 days; if vhivconf = 2 and hivdt2 = 99/99/9999 display hivscrdt to hivscrdt + 30 days; else if vhivconf = 2 display hivdt2 to hivdt2 + 30 days), was the negative/nonreactive HIV confirmatory or screening test result communicated to the patient by any of the following methods?
  • My HealtheVet Premium account
  • Letter - does not have to be sent by certified mail.
  • Secure messaging is a confidential message functionality of My HealtheVet similar to email between patient and provider for non-urgent matters
  • Clinical Video Telehealth (CVT) refers to real time clinic based video encounter between the patient and provider.
  • Telephone

1. Yes
2. No

Pg 14

DENOMINATOR

0 → Excluded

>= 1

Score =
Sum of Numerator /
Sum of Denominator