Document Links:

Sepsis 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 data or errors
5. Administrative exclusion from all measures

AGE
Calculated field – ADMDT - BIRTHDT

DCDT
Discharge date

ADMDT
Admission date

TRNSFR
Is there documentation the patient was received as a transfer from an inpatient, outpatient or emergency/ observation department of an outside hospital or from an ambulatory surgery center?
1. Yes
2. No

CLNTRIAL
During this hospital stay, was the patient enrolled in a clinical trial in which patients with sepsis/septic shock were being studied?
1. Yes
2. No

SEPPRES
Did a physician/APN/PA document presence of severe sepsis?
1. Yes
2. No

SEPDT / SEPTM
Enter the earliest date and time a physician/APN/PA documented the presence of severe sepsis

START

REVSTAT — NOT = 2

2

AGE — Missing / >= 0 and < 18

>= 18

DCDT — Invalid or Missing / < 01/01/22

>= 01/01/22

ADMDT — Invalid or Missing

Valid Date

Calculate
DCDT - ADMDT — < 0 / > 120 days

>= 0 and <= 120 days

TRNSFR — Missing / 1

2

CLNTRIAL — Missing → Type X / 1 → EXCLUDED

2

SEPPRES — Missing → Type X

1

SEPDT — Missing Or Invalid → Type X

Valid Date

SEPTM — Missing Or Invalid → Type X

Valid Time

Pg 2

2

Pg 2
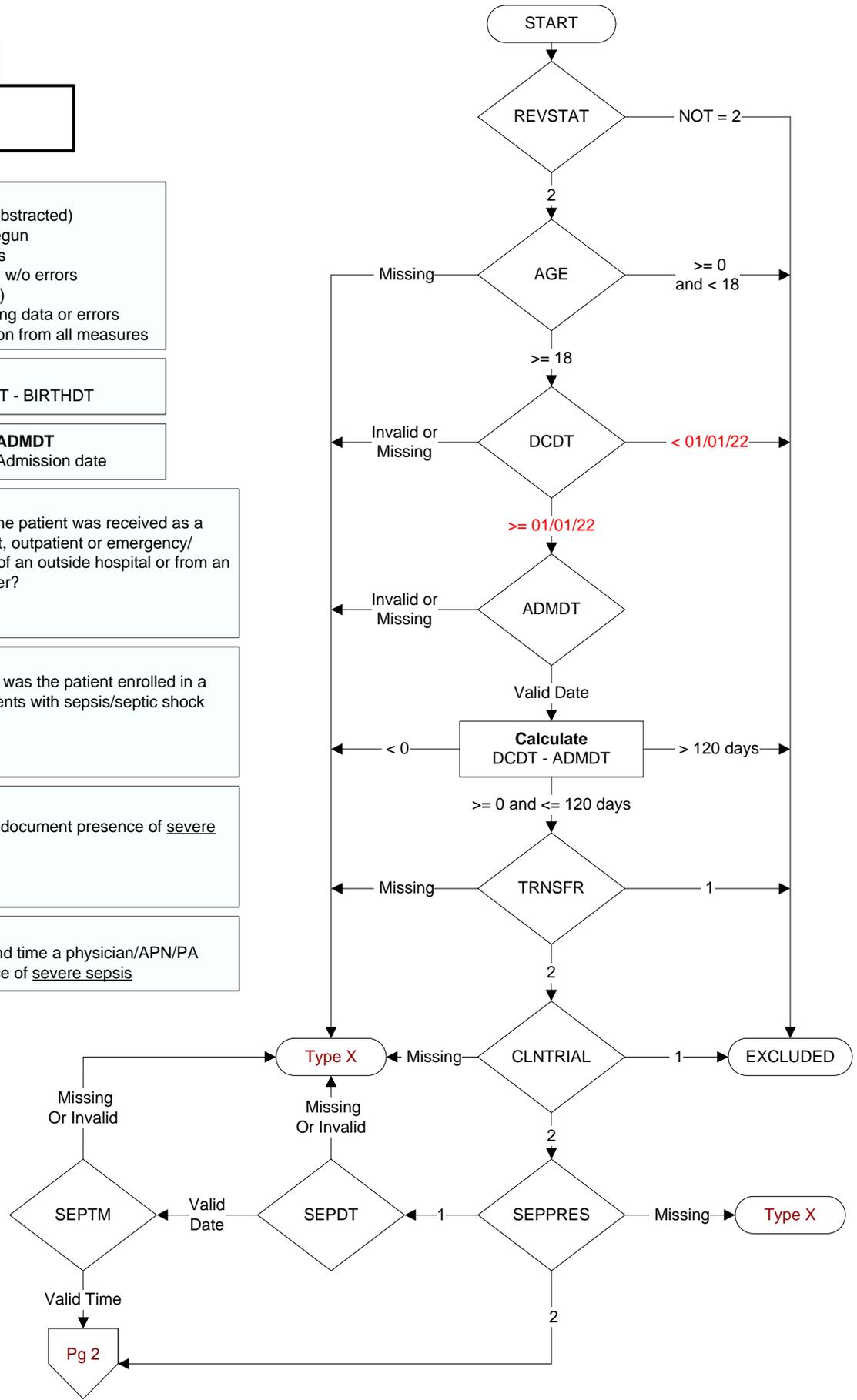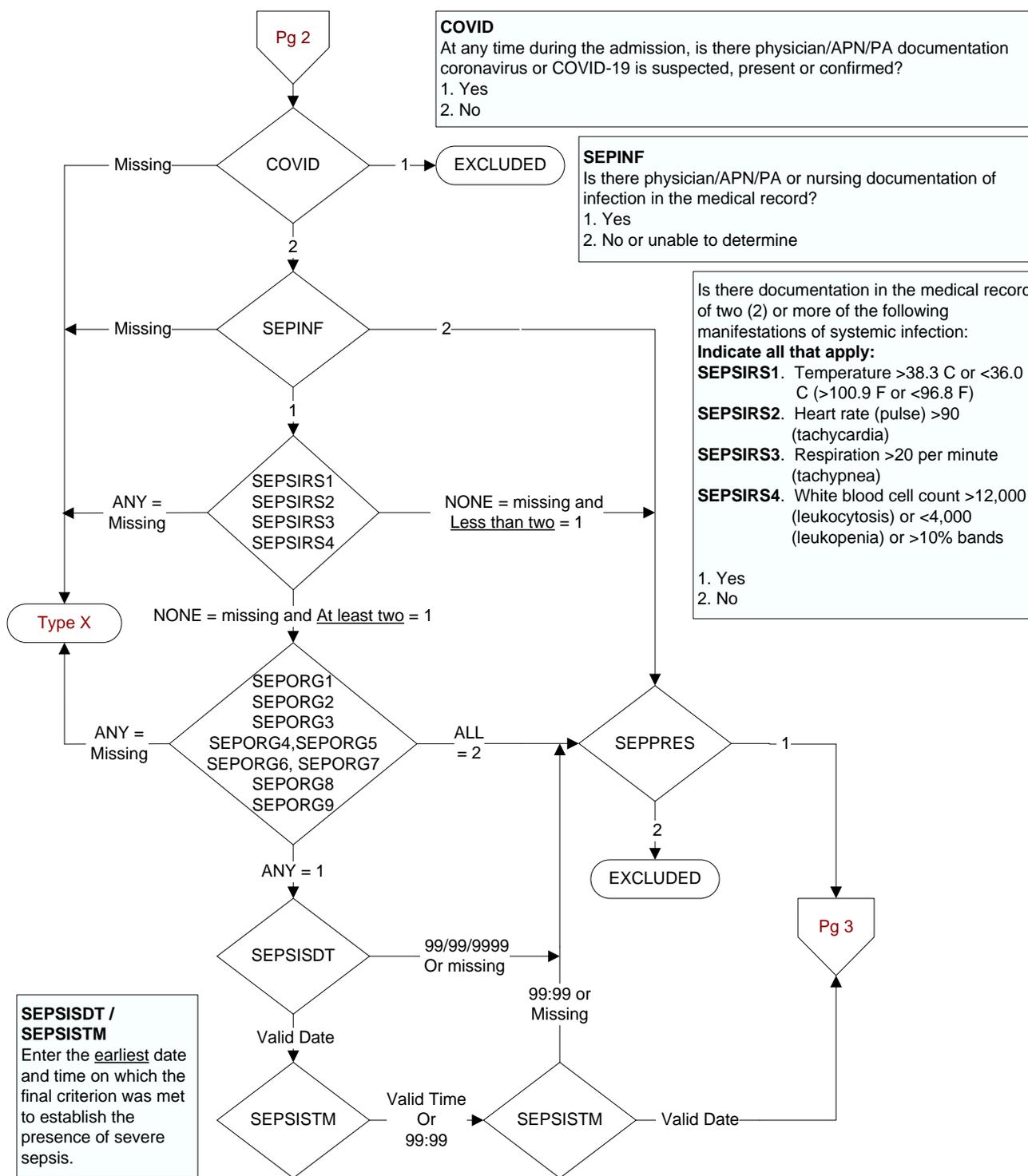
COVID
At any time during the admission, is there physician/APN/PA documentation coronavirus or COVID-19 is suspected, present or confirmed?
1. Yes
2. No

Missing ← COVID → 1 → EXCLUDED

SEPINF
Is there physician/APN/PA or nursing documentation of infection in the medical record?
1. Yes
2. No or unable to determine

2

Missing ← SEPINF → 2

1

Is there documentation in the medical record of two (2) or more of the following manifestations of systemic infection:
Indicate all that apply:
SEPSIRS1. Temperature >38.3 C or <36.0 C (>100.9 F or <96.8 F)
SEPSIRS2. Heart rate (pulse) >90 (tachycardia)
SEPSIRS3. Respiration >20 per minute (tachypnea)
SEPSIRS4. White blood cell count >12,000 (leukocytosis) or <4,000 (leukopenia) or >10% bands

1. Yes
2. No

SEPSIRS1
SEPSIRS2
SEPSIRS3
SEPSIRS4

ANY = Missing

NONE = missing and Less than two = 1 →

Type X

NONE = missing and At least two = 1

SEPORG1
SEPORG2
SEPORG3
SEPORG4,SEPORG5
SEPORG6, SEPORG7
SEPORG8
SEPORG9

ANY = Missing

ALL = 2 → SEPPRES → 1

2

EXCLUDED

Pg 3

ANY = 1

SEPSISDT → 99/99/9999 Or missing →

99:99 or Missing

SEPSISDT / SEPSISTM
Enter the earliest date and time on which the final criterion was met to establish the presence of severe sepsis.

Valid Date

SEPSISTM → Valid Time Or 99:99 → SEPSISTM → Valid Date →

Is there documentation of organ dysfunction in the medical record?
Indicate all that apply:
SEPORG1. Systolic blood pressure (SBP) < 90 mmHg or mean arterial pressure (MAP) < 65 mmHg
SEPORG2. Systolic blood pressure (SBP) decrease of more than 40 mmHg (see definitions/decision (D/D) rules)
SEPORG3. Acute respiratory failure as evidenced by a new need for invasive or non-invasive mechanical ventilation (see D/D rules)
SEPORG4. Creatinine > 2.0 (see D/D rules)
SEPORG5. Urine output < 0.5mL//kg/hour for 2 consecutive hours (see D/D rules)
SEPORG6. Total bilirubin > 2 mg/dL (34.2 mmol/L)
SEPORG7. Platelet count < 100,000
SEPORG8. INR > 1.5 or aPTT > 60 seconds (see D/D rules)
SEPORG9. Lactate > 18.0 mg/dL (>2 mmol/L)

1. Yes
2. No

Pg 3
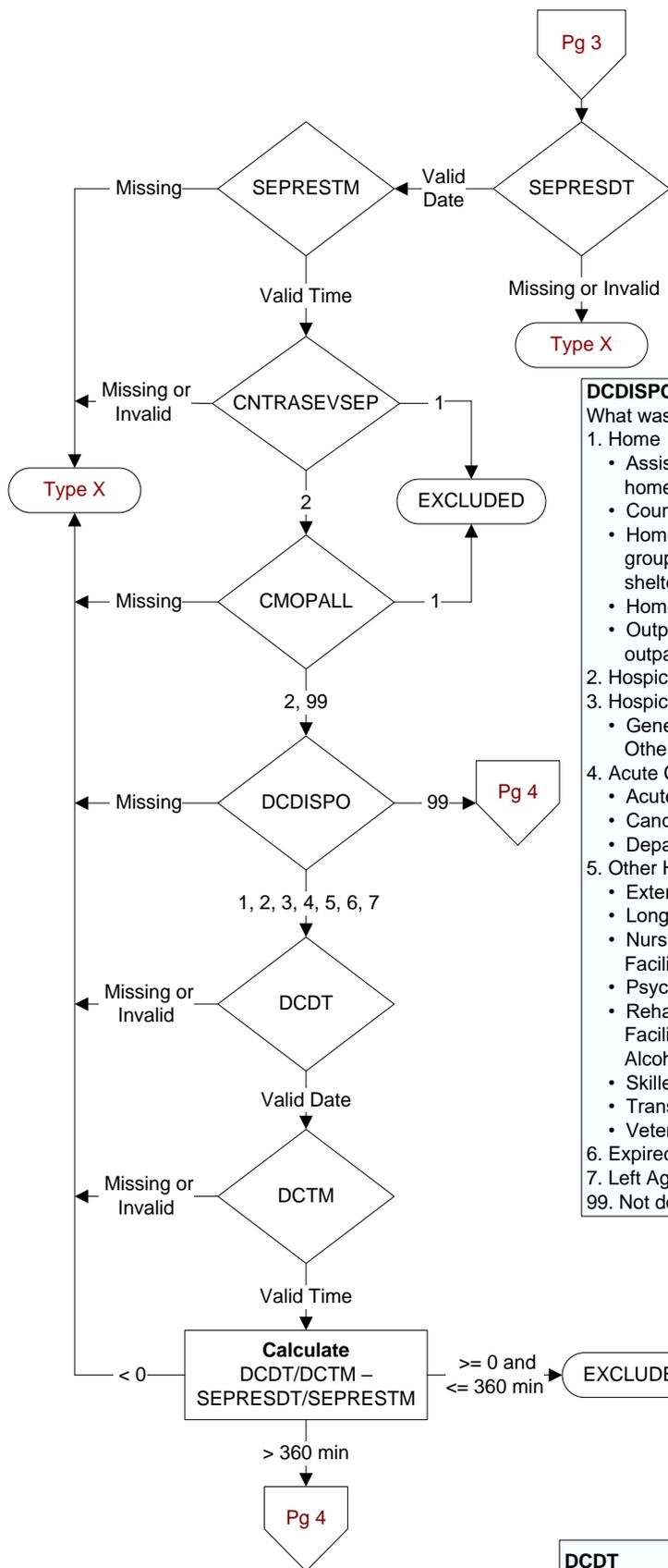
SEPRESDT
Computer to auto-fill earliest valid date entered in sepdt or sepsisdt.

SEPRESTM
Computer to auto-fill earliest valid time entered in septm or sepsistm.

SEPRESTM — Missing

SEPRESDT ← Valid Date

SEPRESDT — Missing or Invalid → Type X

Valid Time

CNTRASEVSEP
During the timeframe from (computer to display sepresdt/seprestm - 6 hours) to (computer to display sepresdt/seprestm + 6 hours) is there physician/APN/PA or nursing documentation that the patient or authorized patient advocate refused either a blood draw, IV fluid administration, or IV antibiotic administration?
1. Yes
2. No or unable to determine

CNTRASEVSEP — Missing or Invalid → Type X

CNTRASEVSEP — 1 → EXCLUDED

2

CMOPALL — Missing

CMOPALL — 1 → EXCLUDED

2, 99

DCDISPO
What was the patient's discharge disposition on the day of discharge?
1. Home
   • Assisted Living Facilities (ALFs) – includes assisted living care at nursing home/facility
   • Court/Law Enforcement – includes detention facilities, jails, and prison
   • Home – includes board and care, domiciliary, foster or residential care, group or personal care homes, retirement communities, and homeless shelters
   • Home with Home Health Services
   • Outpatient Services including outpatient procedures at another hospital, outpatient Chemical Dependency Programs and Partial Hospitalization
2. Hospice – Home (or other home setting as listed in #1 (above)
3. Hospice – Health Care Facility
   • General Inpatient and Respite, Residential and Skilled Facilities, and Other Health Care Facilities
4. Acute Care Facility
   • Acute Short Term General and Critical Access Hospitals
   • Cancer and Children's Hospitals
   • Department of Defense and Veteran's Administration Hospitals
5. Other Health Care Facility
   • Extended or Immediate Care Facility (ECF/ICF)
   • Long Term Acute Care Hospital (LTACH)
   • Nursing Home or Facility including Veteran's Administration Nursing Facility
   • Psychiatric Hospital or Psychiatric Unit of a Hospital
   • Rehabilitation Facility including, but not limited to: Inpatient Rehabilitation Facility/Hospital, Rehabilitation Unit of a Hospital, Chemical Dependency/ Alcohol Rehabilitation Facility
   • Skilled Nursing Facility (SNF), Sub-Acute Care or Swing Bed
   • Transitional Care Unit (TCU)
   • Veteran's Home
6. Expired
7. Left Against Medical Advice/AMA
99. Not documented or unable to determine

DCDISPO — Missing

DCDISPO — 99 → Pg 4

1, 2, 3, 4, 5, 6, 7

DCDT — Missing or Invalid

Valid Date

DCTM — Missing or Invalid

Valid Time

Calculate DCDT/DCTM – SEPRESDT/SEPRESTM

Calculate — < 0

Calculate — >= 0 and <= 360 min → EXCLUDED

> 360 min → Pg 4

DCDT
Discharge date:

DCTM
Discharge time:

CMOPALL
During the timeframe from (computer to display sepresdt/seprestm - 6 hours) to (computer to display sepresdt/seprestm + 6 hours) is there physician/APN/PA documentation of comfort measures only or palliative care (see Inclusion terms below)?

Inclusion (Only acceptable terms)	
Brain death/dead	Hospice Care
Comfort care	Organ harvest
Comfort measures	Palliative Care
Comfort measures only (CMO)	Palliative Consult
Comfort only	Terminal care
DNR-CC	Terminal extubation
End of life care	Withdraw care
Hospice	Withhold care

1. Yes
2. No
99. Not documented or time is unclear

Pg 4

ANTIBIO

Missing

2 → FAIL

1

BIOADMINDT

Missing → Type X

99/99/9999

Valid Date

BIOADMINTM

Missing or 99:99 → Type X

Valid Time

Set Variable ABXTIMING = BIOADMINDT/BIOADMINTM – SEPRESDT/SEPRESTM

ABXTIMING

< - 4320 or > 180 min → Type X

>= - 4320 and <= 180 min

ABXTIMING

< - 1440 or > 180 min → ABXTIMING

< -1440 min → EXCLUDED

> 180 min → Type X

>= -1440 and <= 180 min

Pg 5
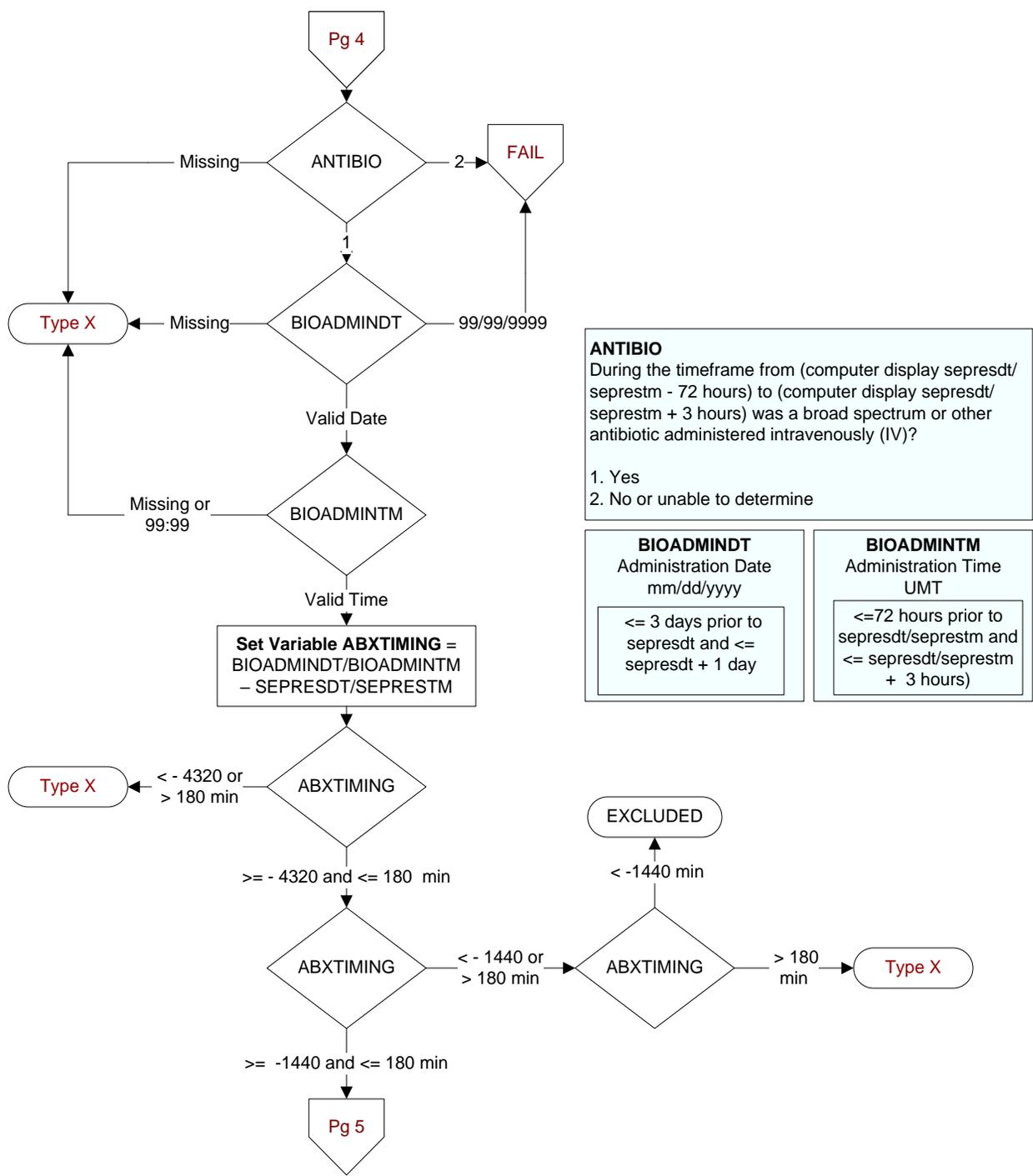
ANTIBIO
During the timeframe from (computer display sepresdt/seprestm - 72 hours) to (computer display sepresdt/seprestm + 3 hours) was a broad spectrum or other antibiotic administered intravenously (IV)?

1. Yes
2. No or unable to determine

BIOADMINDT
Administration Date
mm/dd/yyyy

<= 3 days prior to sepresdt and <= sepresdt + 1 day

BIOADMINTM
Administration Time
UMT

<=72 hours prior to sepresdt/seprestm and <= sepresdt/seprestm + 3 hours)

Pg 5

BLOODCUL — Missing → Type X

BLOODCUL — 2 → FAIL

BLOODCUL — 1 →

BLDCULDT — Missing or Invalid → Type X

BLDCULDT — Valid Date →

BLDCULTM — Missing or Invalid → Type X

BLDCULTM — Valid Time →

Calculate BLDCULDT/BLDCULTM – SEPRESDT/SEPRESTM — < -2880 or > 180 min → FAIL

Calculate BLDCULDT/BLDCULTM – SEPRESDT/SEPRESTM — >= -2880 and <= 180 min →

Calculate BIOADMINDT/BIOADMINTM – BLDCULDT/BLDCULTM — < 0 min → BLDCULDEL

Calculate BIOADMINDT/BIOADMINTM – BLDCULDT/BLDCULTM — >= 0 min → Pg 6

BLDCULDEL — Missing → Type X

BLDCULDEL — 2 → FAIL

BLDCULDEL — 1 → Pg 6

BLOODCUL
During the time frame from [(If bioadmindt/ bioadmintm - sepresdt/seprestm >= -1440 and < 0, computer to display sepresdt/ seprestm - 48 hours to sepresdt/seprestm + 3 hours); else computer to display (earliest bioadmindt/ bioadmintm- 24 hours to sepresdt/ seprestm + 3 hours)], was a blood culture collected?
1. Yes
2. No or unable to determine

BLDCULDT / BLDCULTM
During the specified timeframe, enter the date and time the blood culture was collected.

BLDCULDEL
Is there documentation supporting an acceptable delay in collecting a blood culture?
1. Yes
2. No or unable to determine

Pg 6

Type X ← Missing — **LACTATE** — 2 →

1 ↓

LACTDT — Missing or Invalid →

Valid Date ↓

LACTM — Missing or Invalid →

Valid Time ↓

Calculate
LACTDT/LACTM –
SEPRESDT/SEPRESTM

< -360 or > 180 min → In Denominator only (**fails** measure)

>= -360 and <= 180 min ↓

In Denominator and Numerator (**passes** measure)

FAIL
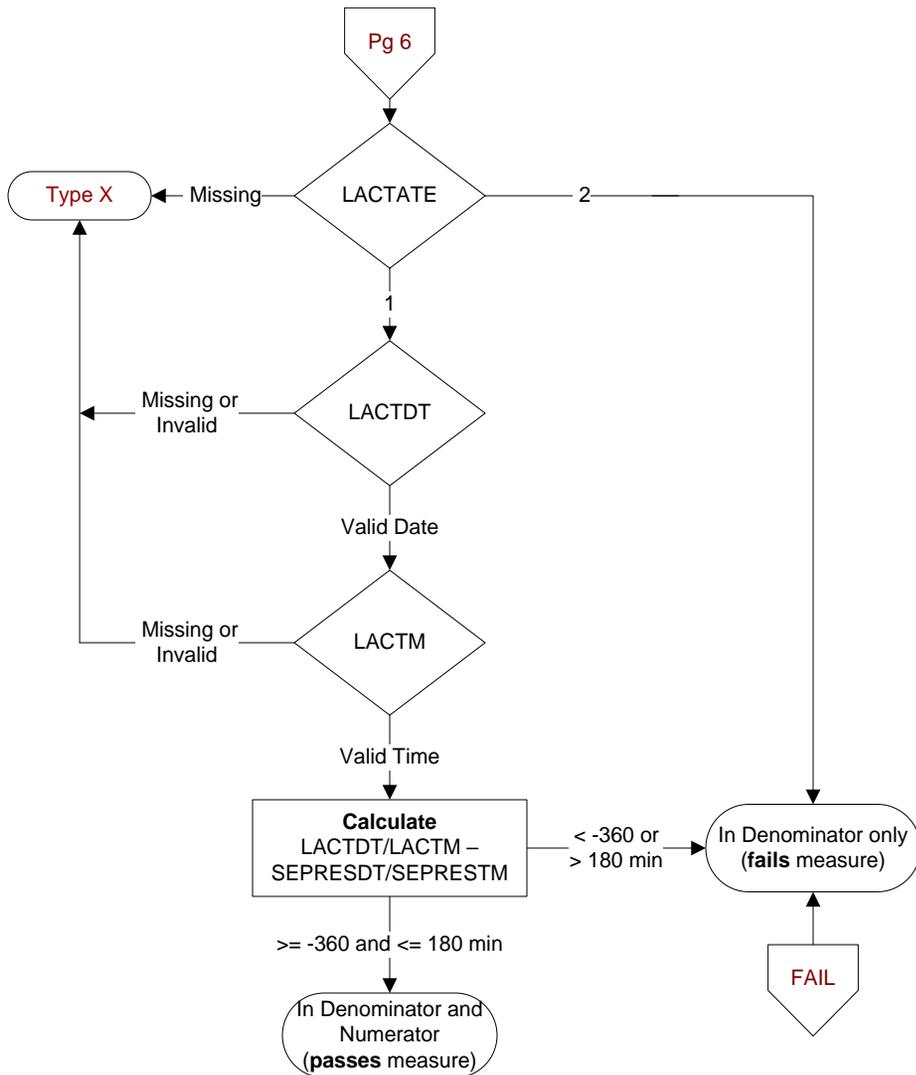
LACTATE
During the timeframe from (computer display sepresdt/seprestm - 6 hours to sepresdt/seprestm + 3 hours) was an initial lactate level drawn (or collected)?
1. Yes
2. No

LACTDT / LACTM
Enter the date and time the initial lactate level was drawn (or collected).