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?
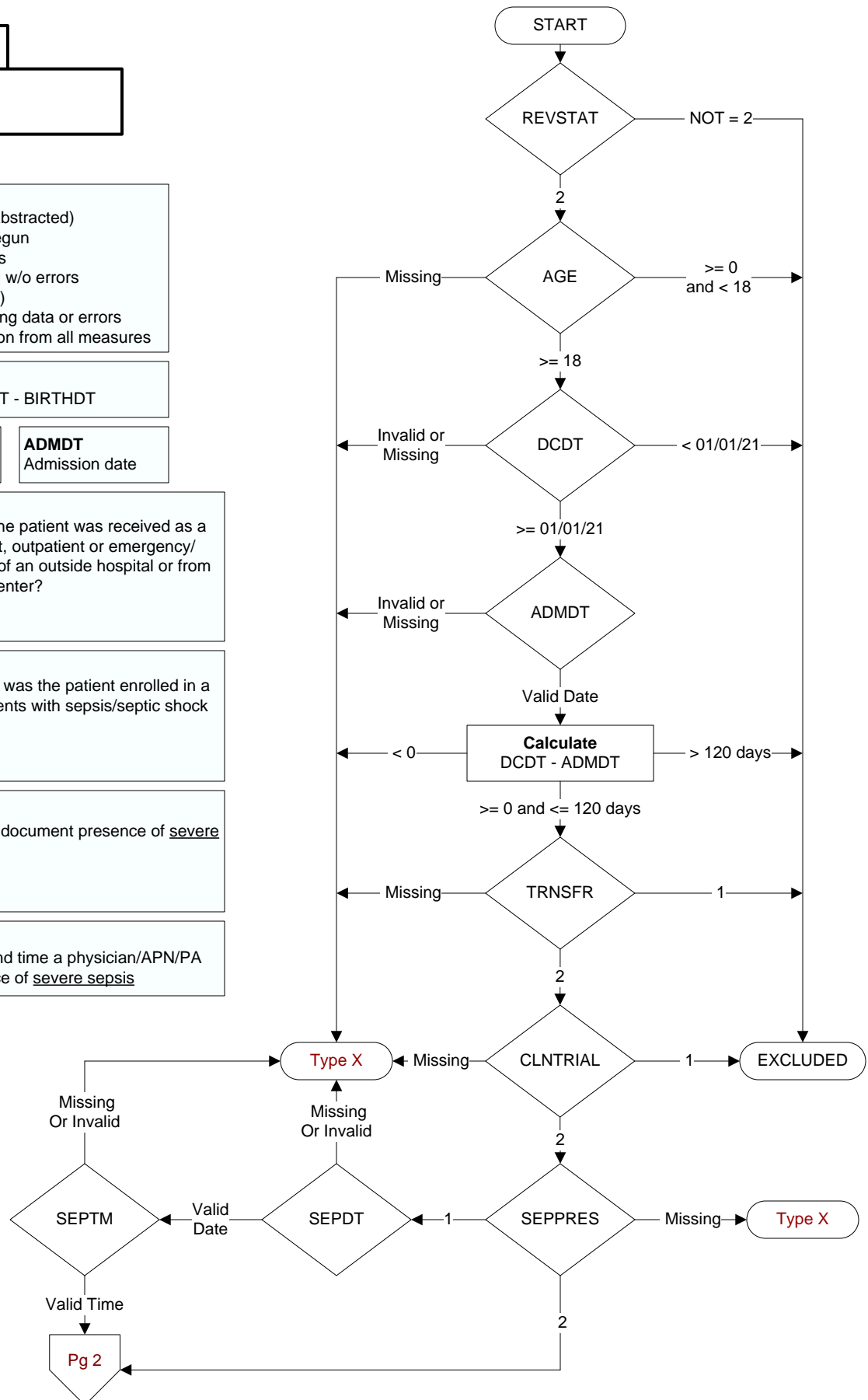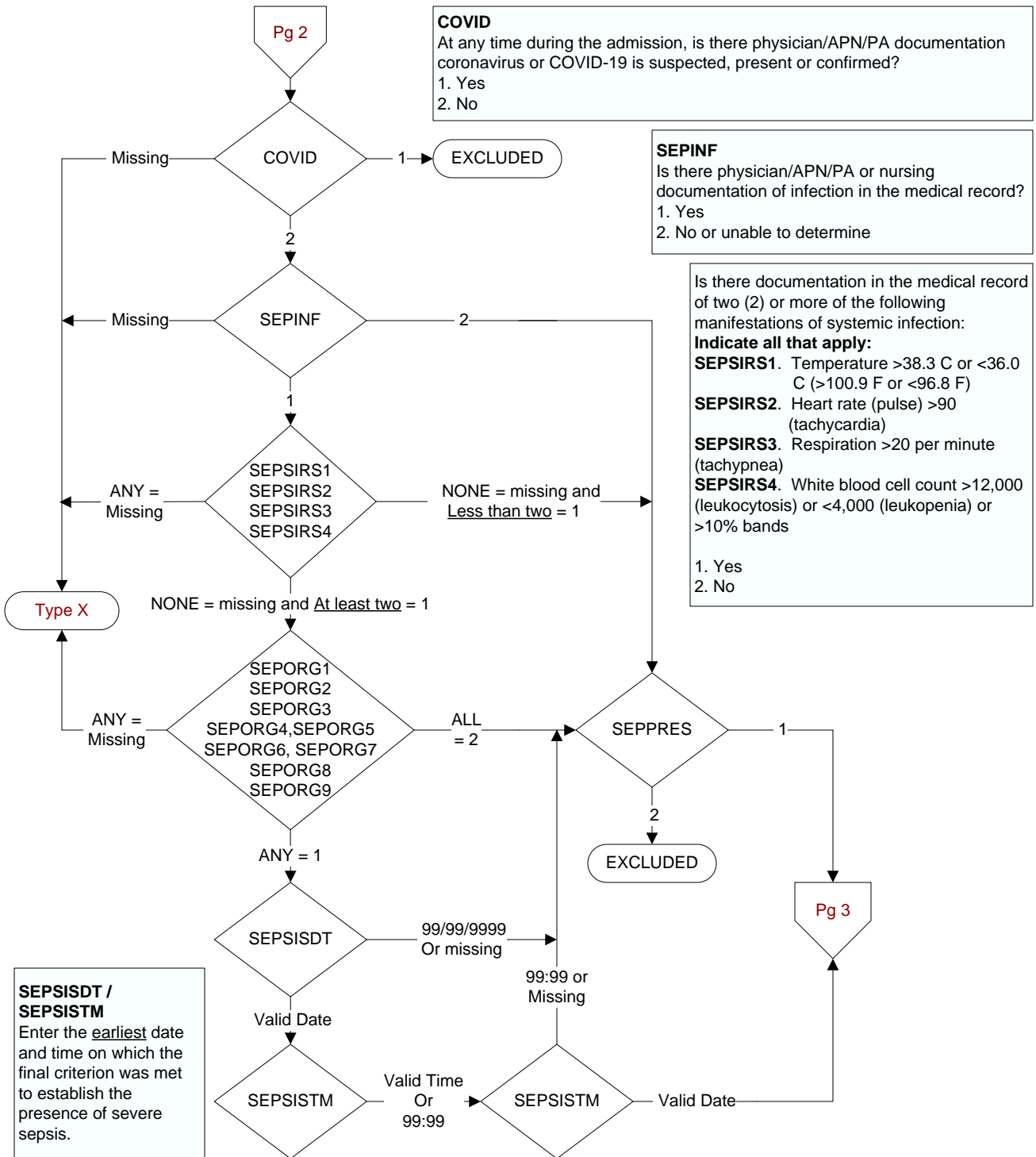1. Yes
2. No

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

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

COVID

— Missing

1 → EXCLUDED

2

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

SEPINF

— Missing

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

Valid Date

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.

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)
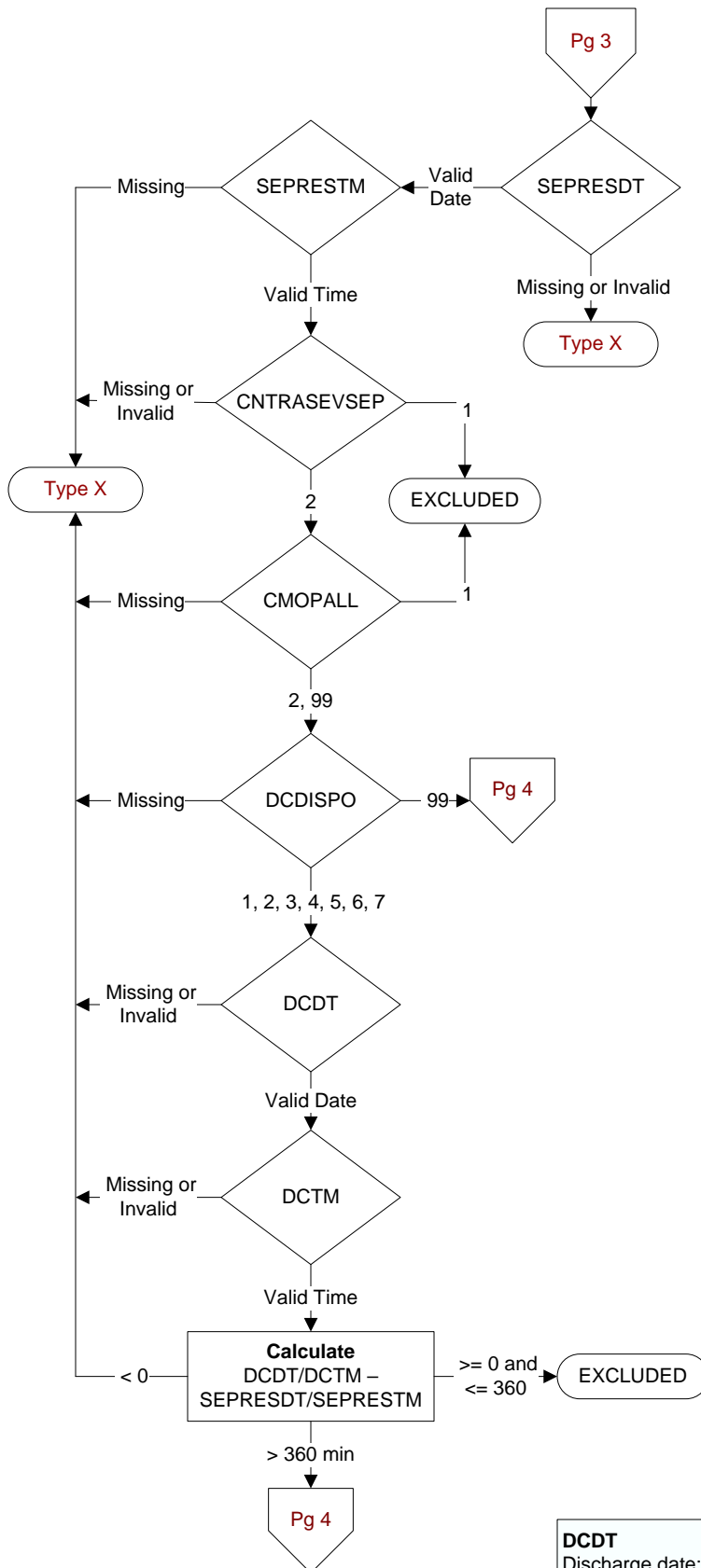**SEPORG7**. Platelet count < 100,000
SEPORG8. INR > 1.5 or aPTT > 60 seconds (see D/D rules)
SEPORG9. Lactate > 18.0 mg/dL (>2 mmol/L)

1. Yes
2. No

Flowchart

Pg 3

SEPRESDT
→ Valid Date → SEPRESTM
→ Missing or Invalid → **Type X**

SEPRESTM
→ Missing → **Type X**
→ Valid Time → CNTRASEVSEP

CNTRASEVSEP
→ Missing or Invalid → **Type X**
→ 1 → EXCLUDED

CMOPALL
→ 1 → EXCLUDED
→ 2 → CMOPALL
→ Missing → **Type X**

DCDISPO
→ 2, 99 → DCDISPO
→ Missing → **Type X**
→ 99 → **Pg 4**
→ 1, 2, 3, 4, 5, 6, 7 → DCDT

DCDT
→ Missing or Invalid → **Type X**
→ Valid Date → DCTM

DCTM
→ Missing or Invalid → **Type X**
→ Valid Time → Calculate

Calculate
DCDT/DCTM – SEPRESDT/SEPRESTM
→ < 0 → **Type X**
→ >= 0 and <= 360 → EXCLUDED
→ > 360 min → **Pg 4**

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.

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

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

DCDISPO
What was the patient's discharge disposition on the day of discharge?
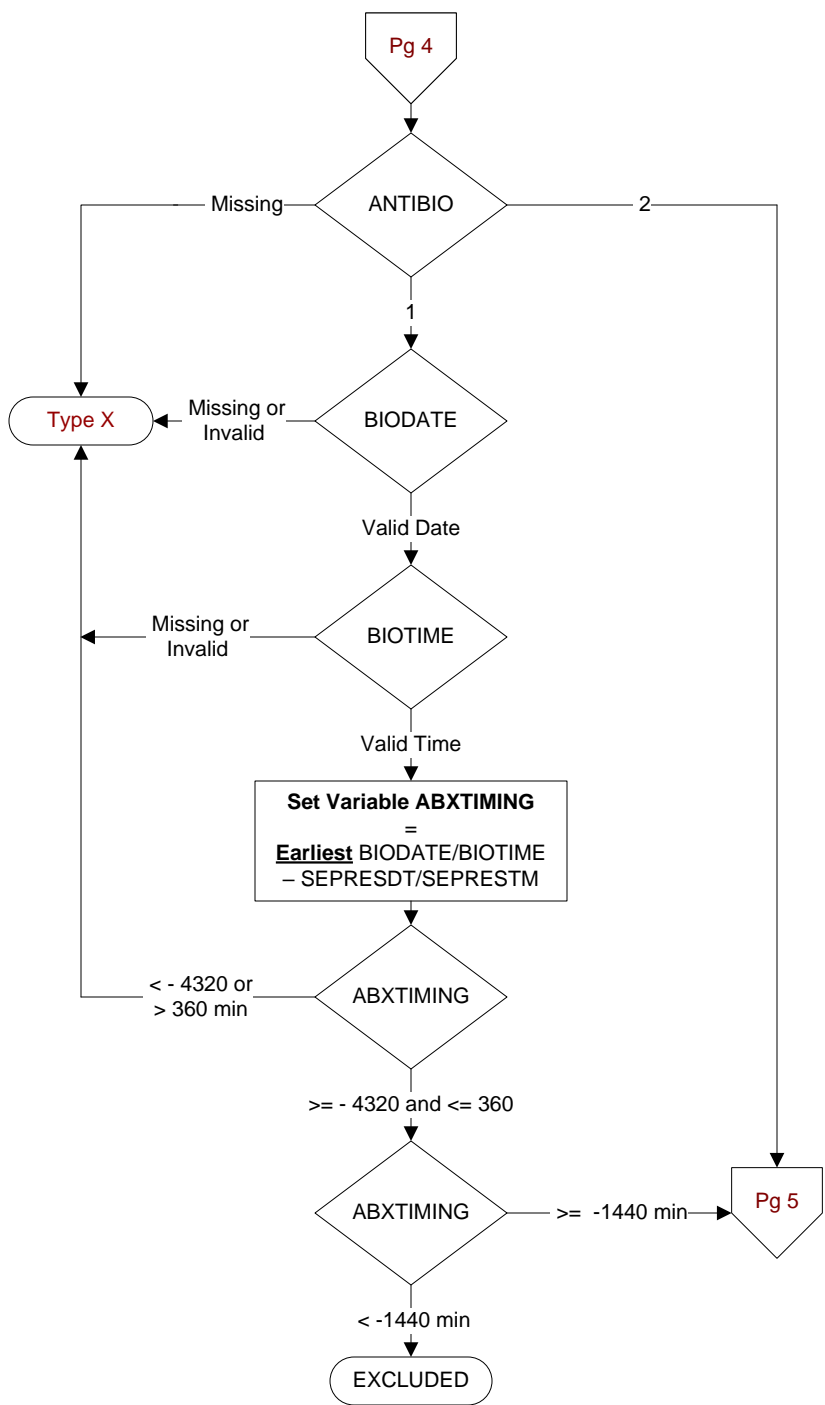1. Home
   • Assisted Living Facilities (ALFs) – includes assisted living care at nursing home/facility
   • Court/Law Enforcement – includes detention facilities, jails, and prison
   • Home – includes board and care, domiciliary, foster or residential care, group or personal care homes, retirement 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

DCDT
Discharge date:

DCTM
Discharge time:

Pg 4

ANTIBIO
— Missing →
— 2 →
↓ 1

Type X
← Missing or Invalid —

BIODATE

↓ Valid Date

BIOTIME
← Missing or Invalid —

↓ Valid Time

Set Variable ABXTIMING
=
Earliest BIODATE/BIOTIME
– SEPRESDT/SEPRESTM

ABXTIMING
← < - 4320 or > 360 min —

↓ >= - 4320 and <= 360

ABXTIMING
— >= -1440 min → Pg 5

↓ < -1440 min

EXCLUDED

ANTIBIO
During the timeframe from (computer display sepresdt/seprestm - 72 hours) to (computer display sepresdt/seprestm + 6 hours) was a broad spectrum or other antibiotic administered intravenously (IV)?

1. Yes
2. No or unable to determine

Beginning with the first antibiotic administered during the timeframe from (computer display sepresdt/seprestm - 72 hours) to (computer display sepresdt/seprestm + 6 hours, enter the name of each antibiotic administered during the specified timeframe.

BIODATE - Enter the date of administration for each antibiotic.
BIOTIME - Enter the time of administration for each antibiotic.

HYPOTNS
During the time frame from (computer to display sepresdt/seprestm - 6 hours) to (computer to display sepresdt/seprestm + 6 hours) is there documentation initial hypotension was present?
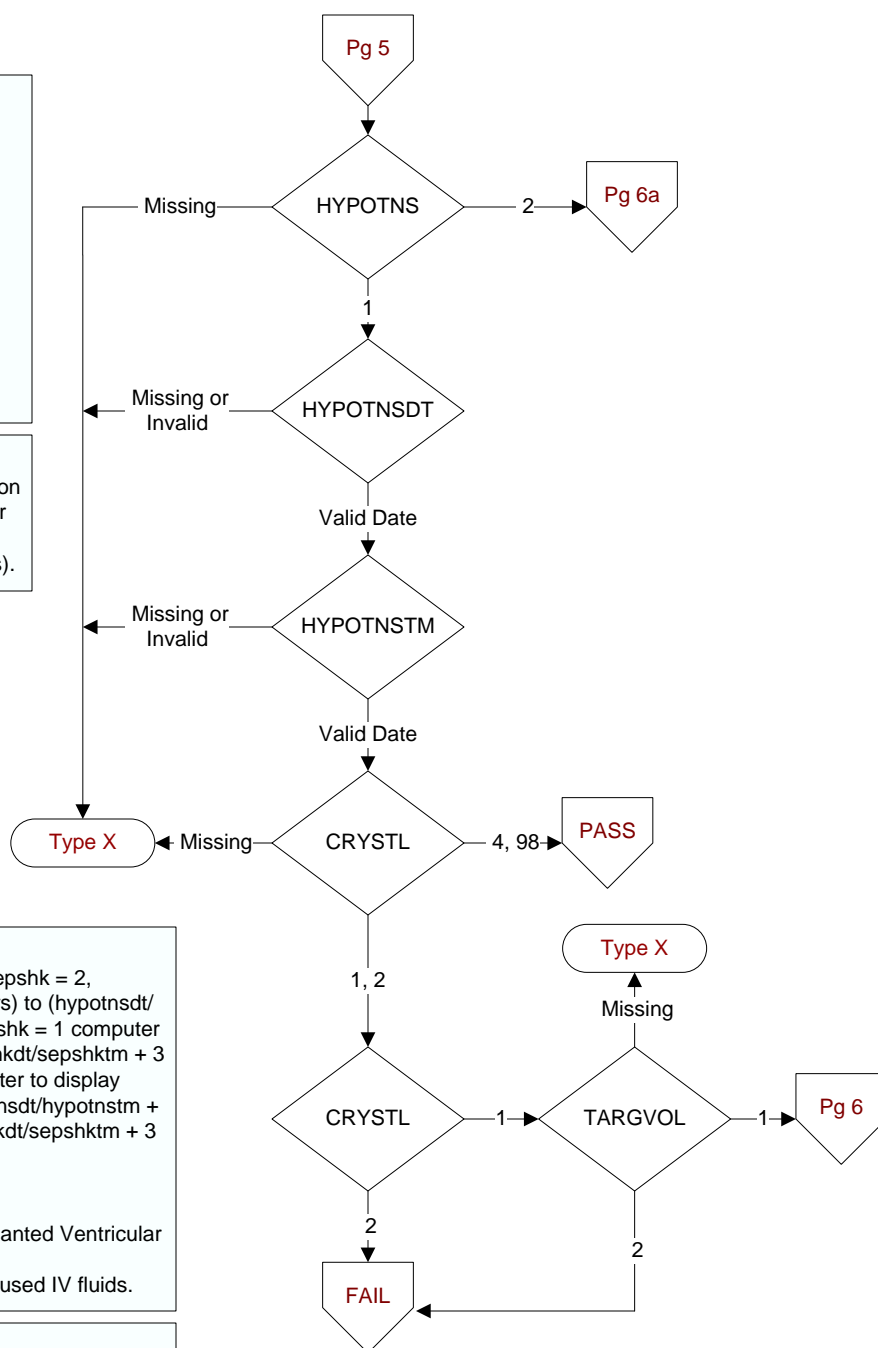Criteria for determining initial hypotension:
- Two hypotensive blood pressure readings at different times within specified timeframe
  - o systolic blood pressures <90, or
  - o mean arterial pressures (MAP), <65 or
  - o a decrease in systolic BP by >40 mm/Hg
1. Yes
2. No or unable to determine

HYPOTNSDT / HYPOTNSTM
Enter the date and time on which initial hypotension was present during the time frame from (computer to display sepresdt/seprestm - 6 hours) to (computer to display sepresdt/seprestm + 6 hours).

CRYSTL
During the timeframe from [(If hypotns = 1, and sepshk = 2, computer to display hypotnsdt/hypotnstm - 6 hours) to (hypotnsdt/ hypotnstm + 3 hours) OR (If hypotns = 2 and sepshk = 1 computer to display sepshkdt/sepshktm - 6 hours) to (sepshkdt/sepshktm + 3 hours) OR (if hypotns = 1 and sepshk = 1, computer to display earliest of hypotnsdt/hypotnstm – 6 hrs) to (hypotnsdt/hypotnstm + 3 hours or sepshkdt/sepshktm - 6 hours to sepshkdt/sepshktm + 3 hours) were crystalloid fluids initiated?
1. Yes
2. No
4. There is documentation the patient has an implanted Ventricular Assist Device (VAD)
98. The patient or authorized patient advocate refused IV fluids.

TARGVOL
Is there documentation the target ordered volume of crystalloid fluids (computer to display crystlvol) initiated on (computer to display crystldt at crystltm) was completely infused?
1. Yes
2. No

CRYSTLDT / CRYSTLTM
Enter the earliest date and time on which crystalloid fluids were initiated.

PERSHYPO
During the time frame from (computer display crystlend) to (computer to display crystlend + 1 hour) is there physician/APN/PA documentation that persistent hypotension or new onset of hypotension was present?

Criteria for determining persistent or new onset of hypotension:
 • Two hypotensive blood pressure readings at different times within specified timeframe
   o   systolic blood pressures <90, or
   o   mean arterial pressures (MAP), <65 or
   o   a decrease in systolic BP by >40 mm/Hg

1. Yes
2. No or Unable to determine
3. No, the patient was not assessed for persistent hypotension or new onset of hypotension within one hour after the conclusion of crystalloid fluid administration at the target ordered volume.
4. Not applicable - Crystalloid fluids were administered but at a volume less than the target ordered volume
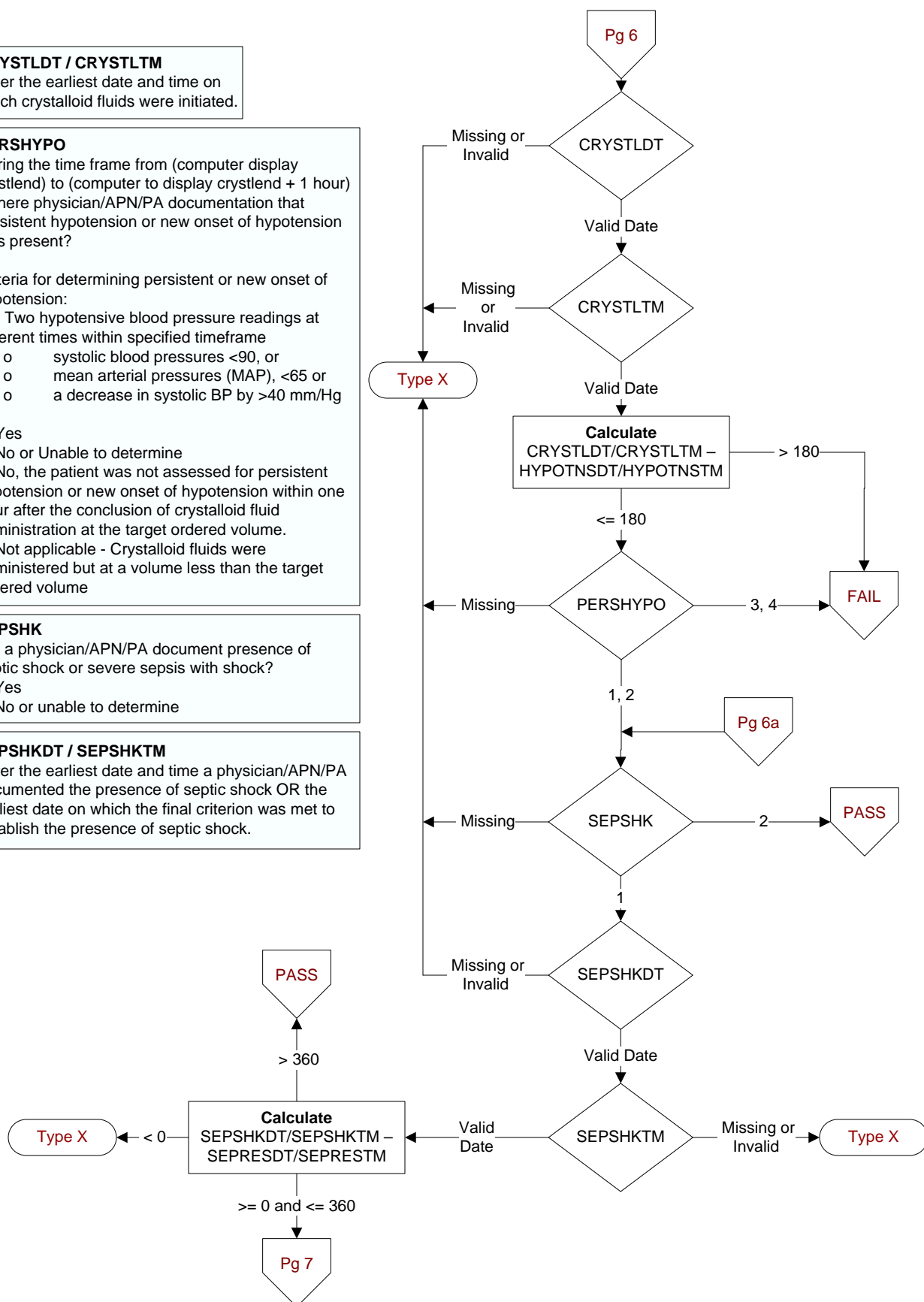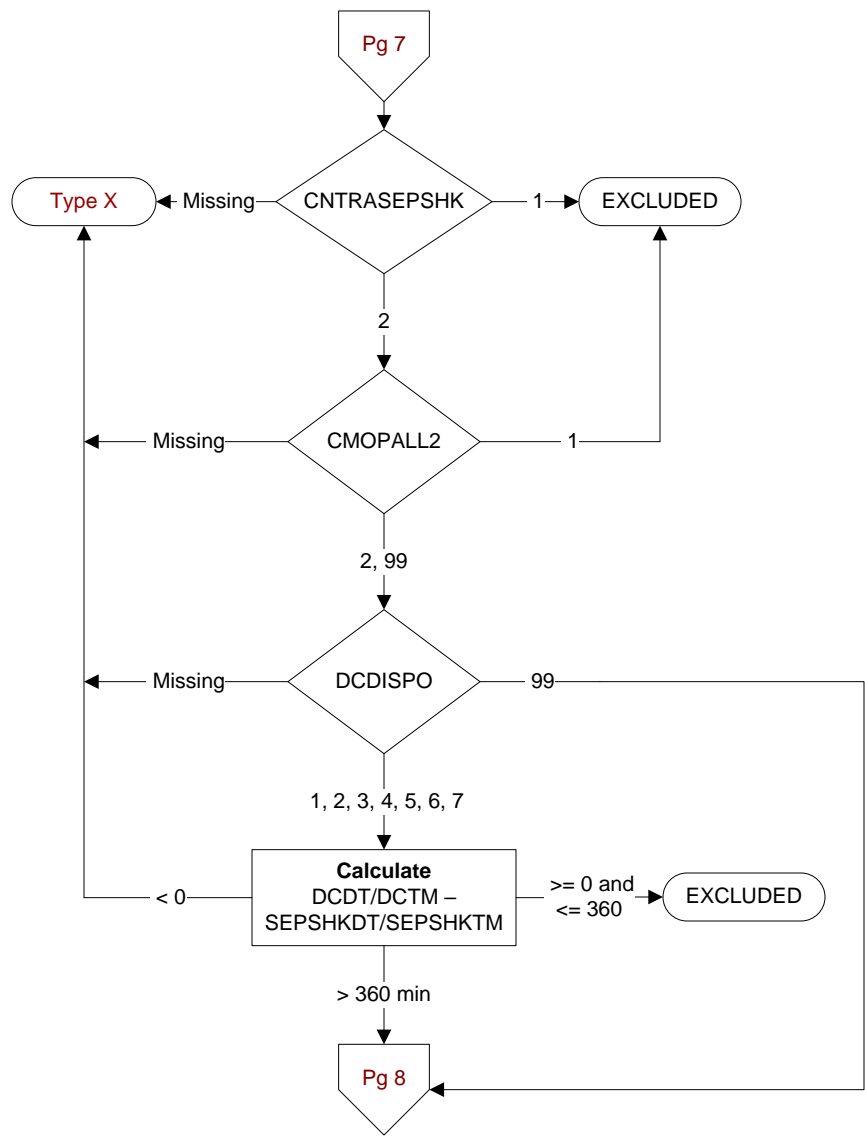
SEPSHK
Did a physician/APN/PA document presence of septic shock or severe sepsis with shock?
1. Yes
2. No or unable to determine

SEPSHKDT / SEPSHKTM
Enter the earliest date and time a physician/APN/PA documented the presence of septic shock OR the earliest date on which the final criterion was met to establish the presence of septic shock.

Flowchart

Pg 7

CNTRASEPSHK
- Missing → Type X
- 1 → EXCLUDED
- 2 ↓

CMOPALL2
- Missing → (Type X)
- 1 → EXCLUDED
- 2, 99 ↓

DCDISPO
- Missing → (Type X)
- 99 → Pg 8
- 1, 2, 3, 4, 5, 6, 7 ↓

Calculate
DCDT/DCTM – SEPSHKDT/SEPSHKTM
- < 0 → (Type X)
- >= 0 and <= 360 → EXCLUDED
- > 360 min → Pg 8

CNTRASEPSHK
During the timeframe from (computer to display sepshktm - 6 hours) to (computer to display sepshktm + 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 vasopressor administration?
1. Yes
2. No or unable to determine

CMOPALL2
During the timeframe from (computer to display sepshktm - 6 hours) to (computer to display sepshktm + 6 hours) is there physician/APN/PA documentation of comfort measures only or palliative care?
1. Yes
2. No
99. Not documented or time is unclear

Pg 8

CRYSTL

Type X ◄— Missing

4, 98

1, 2

CRYSTL — 2

1

TARGVOL

Missing ◄—

— 2 —►

1

CRYSTLDT

◄— Missing or Invalid

Valid Date

CRYSTLTM

Missing or Invalid —►

Valid Date

Calculate
CRYSTLDT/CRYSTLTM –
SEPSHKDT/SEPSHKTM

— > 180 —

<= 180

In Denominator only
(**fails** indicator)

FAIL

PASS

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