Flows

ICNARC Case Mix Programme

Version 3.1
Flows

Order

- The ICNARC Case Mix Programme Dataset Specification (ICMPDS) Version 3.1 contains the following sections, which appear in this order in the flows:
  - Admission
  - Reason for Admission
  - Past Medical History
  - Physiology
  - Infection
  - Outcome

Display

- flows run from left to right displaying the field and field description together
- sections are indicated in the header of each page
Date of admission to your hospital (DAH)

Delayed admission

Timeliness of admission to your unit (TNESSA)

Specialty code prior to admission to your unit (SCODE)

Date/Time of admission to your unit (DAICU)

Cardiopulmonary resuscitation (CPR) within 24 hours prior to admission to your unit (CPR_V3)

From: Expected date of delivery of recent pregnancy, Gestation of current pregnancy, Outcome of recent pregnancy = E or T, Hysterectomy since delivery of recent pregnancy, Admission currently/recently pregnancy = N or Sex = M

To: Location (in)
To: Primary reason for admission to your unit

From: (Location (in) = W,B,M,P,I,H or U & Hospital housing location (in) = S) OR (Location (in) = T,E,R,G,S or C & Hospital housing transient location (in) = S & Prior location (in) = W,B,M,P,I,H or U & Hospital housing location (in) = S)

From: (Location (in) = W,B,M,P,I,H or U & Hospital housing location (in) = A or O) OR (Location (in) = T,E,R,G,S or C & Hospital housing transient location (in) = S & Prior location (in) = W,B,M,P,I,H or U & Hospital housing location (in) = A or O) OR (Location (in) = T,E,R,G,S or C & Hospital housing transient location (in) = N) OR (Location (in) = T,E,R,G,S or C & Hospital housing transient location (in) = A or O) OR Location (in) = N

ICMPDS V3.1: Admission5

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Primary reason for admission to your unit
(Primary admissions)

Secondary reason for admission to your unit
(Secondary admissions)

IF

RAICU1 or RAICU2 =

Dry heat burns
1.11.1.5.1 2.11.1.5.1
1.5.7.1.2 2.5.7.1.2
1.13.7.1.4 2.13.7.1.4
Steam burns or scalds
1.11.1.5.2 2.11.1.5.2
1.13.7.1.5 2.13.7.1.5
Electrical burns
1.11.1.5.3 2.11.1.5.3
1.5.7.1.1 2.5.7.1.1
1.13.7.1.3 2.13.7.1.3
Chemical burns
1.11.1.5.4 2.11.1.5.4
1.13.7.1.6 2.13.7.1.6
Inhalation burns
1.1.1.28.1 2.1.1.28.1
1.1.1.30.9 2.1.1.30.9

Burns

Burned surface area
(Burned Surface Area)

Inhalation injury
(Inhalation injury)
From: Secondary reason for admission to your unit OR Inhalation injury

Evidence available to assess past medical history

Yes
No
(EPMH)

Past medical history of one or more of listed conditions

Yes
No
(PMHP)

Biopsy proven cirrhosis (BPC)
Portal hypertension (PH)
Hepatic encephalopathy (HE)
Very severe cardiovascular disease (VSCD)
Severe respiratory disease (SRD)
Home ventilation (HV)

Chronic renal replacement therapy (CRRX)
HIV/AIDS (AIDS_V3)
Steroid treatment (STERX)
Radiotherapy (RADIOX)
Chemotherapy (CHEMOX)
Metastatic disease (META)
Acute myelogenous/lymphocytic leukaemia or multiple myeloma (AMLALLMM)
Chronic myelogenous/lymphocytic leukaemia (CMLCLL)
Lymphoma (LYM)
Congenital immunohumoral or cellular immune deficiency state (CICIDS)

Other condition in past medical history (OCPMH)

Dependency prior to admission to acute hospital (DEP)

To: Evidence available to abstract physiology data
To: Serum bicarbonate

From: Dependency prior to admission to acute hospital

- Evidence available to abstract physiology data
  - Yes
  - No

- Lowest central temperature
  - (LCTEMP)
- Highest central temperature
  - (HCTEMP)

- Lowest non-central temperature
  - (LNCTEMP)
- Highest non-central temperature
  - (HNCTEMP)

- Temperature

- Blood pressure
  - Lowest systolic BP
    - (LSYS)
  - Paired diastolic BP for lowest systolic BP
    - (PDIAL)
  - Highest systolic BP
    - (HSYS)
  - Paired diastolic BP for highest systolic BP
    - (PDIAH)

- Oxygenation and pH
  - PaO₂ from arterial blood gas with lowest PaO₂
    - (ILPO)
  - Associated FiO₂
    - (FILPO)
  - Associated PaCO₂
    - (PCILPO)
  - Associated pH/H⁺
    - (PHILPO)

- Arterial pH/H⁺
  - pH/H⁺ from arterial blood gas with lowest pH (or highest H⁺)
    - (LPH_V3)
  - Associated PaCO₂ from arterial blood gas with lowest pH (or highest H⁺)
    - (PCLPH_V3)

- Heart rate
  - Lowest heart rate
    - (LHR)
  - Highest heart rate
    - (HHR)

- Respiratory rate
  - Lowest non-ventilated respiratory rate
    - (LNVRR)
  - Highest non-ventilated respiratory rate
    - (HNVRR)

- Lowest ventilated respiratory rate
  - (LVRR)
  - Highest ventilated respiratory rate
    - (HVRR)

- Heart rate

- Blood pressure

- Evidence available to abstract physiology data
  - Yes
  - No

- MRSA present

Arterial blood gases missing
- (MABG)

OR

Doc.version 3.1.0
Haemoglobin
Lowest haemoglobin (LHB)
Highest haemoglobin (HHB)
Pre-admission haemoglobin (PHB)
Haemoglobin missing (MHB)

Urine output
Urine output (UP)
Pre-admission urine output missing (MUP)

Pre-admission platelet count (PPC)
Platelet count missing (MPC)
Platelet count (LPC)

White blood cell count
Least white blood cell count (LWBC)
Highest white blood cell count (HWBC)
Pre-admission white blood cell count (PWBC)
White blood cell count missing (MWBC)

Absolute neutrophil count
Associated absolute neutrophil count (ANCLWBC)
Associated absolute neutrophil count (ANCHWBC)
Associated absolute neutrophil count (ANCPWBC)

To: Pupil reactivity
From: Serum urea
Pre-admission serum creatinine (PCREAT)
Serum creatinine missing (MCREAT)

Serum creatinine
Lowest serum creatinine (LCREAT)
Highest serum creatinine (HCREAT)

From: Serum urea
Pre-admission serum creatinine (PCREAT)
Serum creatinine missing (MCREAT)
From: White blood cell count and Associated Absolute Neutrophil Count

To: MRSA present

- Sedated or paralysed and sedated for whole of first 24 hours in your unit
- Sedated for whole of first 24 hours
- Paralysed and sedated for whole of first 24 hours

- Glasgow Coma Score
  - Lowest total Glasgow Coma Score
  - Associated eye component
  - Associated motor component
  - Associated verbal component
  - Associated intubation status

- Neurological status
  - Assessed
  - Not assessed

- Pupil reactivity
  - Pupil reactivity (left eye)
  - Pupil reactivity (right eye)
  - Pupil reactivity missing

OR

- Sedated and/or paralysed for some of first 24 hours
- NeVer sedated or paralysed at any time in first 24 hours

- Highest level of care received in the first 24 hours in your unit

LEVA
MRSA present (MRSA)

VRE present (VRE)

Clostridium difficile present (CDIFF)

Antimicrobial use after 48 hours in your unit (AMUAI)

Number of unit-acquired infections present in blood (NUAIB)

Main organism causing first unit-acquired infection in blood (MOUAIB)

From: Highest level of care received in the first 24 hours in your unit OR Evidence available to abstract physiology data = N

To: Ultimate primary reason for admission to your unit
Ultimate primary reason for admission to your unit (URAICU)

From: Number of unit-acquired infections in blood OR Main organism causing first unit-acquired infection in blood

To: Status at discharge from your unit

Levels of care
- Level 3 days (CCL3D)
- Level 2 days (CCL2D)
- Level 1 days (CCL1D)
- Level 0 days (CCL0D)

Respiratory support days
- Basic days (BRSD)
- Advanced days (ARSD)

Cardiovascular support days
- Basic days (BCSD)
- Advanced days (ACSD)

Renal support days (RSD)

Neurological support days (NSD)

Gastrointestinal support days (GSD)

Dermatological support days (DSD)

Liver support days (LSD)

Calendar days of organ support while in your unit

Treatment withheld/withdrawn
- Withdrawn
- Both withheld then withdrawn (ITW_V3)
- Neither (ITW_V3)

Date/Time treatment first withdrawn
- Date treatment first withdrawn (DTW)
- Time treatment first withdrawn (TTW)

Calendar days of organ support while in your unit

Basic days (BCSD)

Advanced days (ACSD)

Levels of care
- Level 3 days (CCL3D)
- Level 2 days (CCL2D)
- Level 1 days (CCL1D)
- Level 0 days (CCL0D)

Treatment withheld/withdrawn
- Withdrawn
- Both withheld then withdrawn (ITW_V3)
- Neither (ITW_V3)

Date/Time treatment first withdrawn
- Date treatment first withdrawn (DTW)
- Time treatment first withdrawn (TTW)

Calendar days of organ support while in your unit

Basic days (BCSD)

Advanced days (ACSD)

Levels of care
- Level 3 days (CCL3D)
- Level 2 days (CCL2D)
- Level 1 days (CCL1D)
- Level 0 days (CCL0D)

Treatment withheld/withdrawn
- Withdrawn
- Both withheld then withdrawn (ITW_V3)
- Neither (ITW_V3)

Date/Time treatment first withdrawn
- Date treatment first withdrawn (DTW)
- Time treatment first withdrawn (TTW)
To: Date of first critical care visit post-discharge from your unit

Critical care visit post-discharge from your unit

- **Unit Outreach service only**
- **Unit Outreach service & non-outreach staff Combined**
- **Unit Medical staff (non-outreach service only)**
- **Unit Nursing staff (non-outreach service only)**
- **Both unit medical & nursing staff (non-outreach service only)**
- **No critical care visit post-discharge from your unit (CCD)**

From: (Location (out) = W,B,M,R or P & Hospital housing location (out) = A) OR (Location (out) = I,H or U & Hospital housing location (out) = S & Status at ultimate discharge from ICU/HDU = A)

To: Date of ultimate discharge from hospital

To: Date of discharge from your hospital

From: (Location (out) = W,B,M,R or P & Hospital housing location (out) = S) OR (Location (out) = I,H or U & Hospital housing location (out) = S & Status at ultimate discharge from ICU/HDU = A)

From: (Location (out) = W,B,M,R or P & Hospital housing location (out) = O) OR Location (out) = N

To: Residence post-discharge from your hospital