

MIMIC-III as a Relational University | School of of of of Of Glasgow | Computing Science

Database

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nttps://www.gla.ac.uk/schools/computing/staff/fanideligianni Lead of the Computing Technologies for Healthcare Theme

WORLD CHANGING GLASGOW

MIMIC-III Tables

Patient Tracking:

- admissions
- icustays
- patients
- callout
- transfers

ICU Data:

- chartevents
- inputevents_cv
- inputevents_mvdatetimeevents
- outputevents
- procedureevents mv

Hospital Data:

- caregivers
- cptevents diagnoses_icd
- drgcodes
- labevents
- microbiologyevents
- noteevents
- prescriptions
- procedures_icd
- services

Dictionary Tables:

- d_cpt
- d_icd_procedures
 - d_items
- d_icd_diagnoses
- d_labitems



< 2 | 61,532 rows | 8 > icustays subject_id icustay_id hadm id row id < 1 58,976 rows 18 > admissions subject_id hadm_id row id MIMIC-III Basic Tables 46,520 rows 19 > patients subject_id row_id Patient Tracking: admissions icustays patients transfers callout



MIMIC-III: ICU Tables

Patient Tracking:

- admissions
- icustays
 - patients
- callout
- transfers

ICU Data:

- chartevents
- inputevents_cv
- inputevents_mv datetimeevents
- outputevents
- procedureevents_mv

MIMIC-III: ICU Tables

Patient Tracking:

- admissions
- icustays
- patients
- callout
- transfers

ICU Data:

- chartevents
- inputevents_cv
- inputevents_mv

datetimeevents

- outputevents
- procedureevents_mv



Dictionary Tables:

- d_cpt
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MIMIC-III Tables

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Hospital Data:

Dictionary Tables:

- caregivers
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- **labevents**
- microbiologyevents
- noteevents
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d_cpt d_icd_procedures d_items d_icd_diagnoses d_labitems





Summary

- It is important to understand the schema of the database
- The basic tables are needed to extract descriptive statistics about patients
- There is more than one ways to extract similar information
- It is important to understand the source of the data

References

- Johnson et al. 'MIMIC-III, a freely accessible critical care database', Scientific Data, 2016.
- modeling and persistence: A comparative review', Journal Gamal et al. 'Standardized electronic health record data of Biomedical Informatics, 2020.