Admission Procedure Charge Sheet

UNF

ADMISSION (patient_id, patient_fname, patient_lname, admission_datetime, supervising_doc_id, supervising_doc_title, supervising_doc_fname, supervising_doc_lname, (procedure_code, procedure_name, requested_doc_id, requested_doc_tite, requested_doc_fname, requested_doc_lname, procedure_datetime, procedure_charge, carried_doc_id, carried_doc_title, carried_doc_fname, carried_doc_lname, carried_datetime, total_extra_charge, (item_code, item_desc, item_qty, total_item_charge)))

1NF

ADMISSION (<u>patient_id</u>, <u>admission_datetime</u>, patient_fname, patient_lname, supervising_doc_id, supervising_doc_title, supervising_doc_fname, supervising_doc_lname)

patient_id, admiision_datetime → supervising_doc_id FULL

patient_id → patient_fname, patient_lname PARTIAL

supervising_doc_id → supervising_doc_title, supervising_doc_fname, supervising_doc_lname TRANSITIVE

ADMISSION_PROCEDURE (<u>patient_id</u>, <u>procedure_datetime</u>, procedure_code, procedure_name, requested_doc_id, requested_doc_tite, requested_doc_fname, requested_doc_lname, carried_doc_id, carried_doc_title, carried_doc_fname, carried_doc_lname, procedure_charge, total_extra_charge)

patient_id, procedure_datetime → procedure_code, requested_doc_id, carried_doc_id, procedure_charge, total_extra_charge FULL

procedure_code → procedure_name TRANSITIVE

requested_doc_id → requested_doc_tite, requested_doc_fname,

requested_doc_lname TRANSITIVE

carried_doc_id → carried_doc_title, carried_doc_fname, carried_doc_lname

TRANSITIVE

PROCEDURE_ITEM (<u>patient_id</u>, <u>procedure_datetime</u>, <u>item_code</u>, item_desc,

item_qty, total_item_charge)

patient_id, procedure_datetime, item_code → item_qty, total_item_charge

FULL

item_code → item_desc PARTIAL

2NF

ADMISSION (<u>patient_id</u>, <u>admission_datetime</u>, supervising_doc_id,

supervising_doc_title, supervising_doc_fname, supervising_doc_lname)

PATIENT(<u>patient_id</u>, patient_fname, patient_lname)

ADMISSION_PROCEDURE (<u>patient_id</u>, <u>procedure_datetime</u>,

procedure_code, procedure_name, requested_doc_id, requested_doc_tite,

requested_doc_fname, requested_doc_lname, procedure_charge,

carried_doc_id, carried_doc_title, carried_doc_fname, carried_doc_lname,

total_extra_charge)

PROCEDURE_ITEM (<u>patient_id</u>, <u>procedure_datetime</u>, <u>item_code</u>, item_qty,

total_item_charge)

ITEM(<u>item_code</u>, item_desc)

3NF

Combine SUPERVISING_DOC, REQUESTED_DOC and CARRIED_DOC as DOCTOR

ADMISSION (<u>patient_id</u>, <u>admission_datetime</u>, supervising_doc_id)

PATIENT (<u>patient_id</u>, patient_fname, patient_lname)

DOCTOR (<u>doc_id</u>, doc_title, doc_fname, doc_lname)

ADMISSION_PROCEDURE (<u>patient_id</u>, <u>procedure_datetime</u>, procedure_code, requested_doc_id, carried_doc_id, procedure_charge, total_extra_charge)

PROCEDURE (<u>procedure_code</u>, procedure_name)

PROCEDURE_ITEM (<u>patient_id</u>, <u>procedure_datetime</u>, <u>item_code</u>, item_qty, total_item_charge)

ITEM (<u>item_code</u>, item_desc)

Nurse Assignment Details

UNF

NURSE (<u>nurse_id</u>, nurse_fname, nurse_lname, nurse_phone, nurse_with_children, (ward_code, ward_name, date_assigned, date_completed)

1NF

NURSE (<u>nurse_id</u>, nurse_fname, nurse_lname, nurse_phone, nurse_with_children)

nurse_id → nurse_fname, nurse_lname, nurse_phone, nurse_with_children FULL

NURSE_ASSIGNMENT (<u>nurse_id</u>, <u>date_assigned</u>, ward_code, ward_name, date_completed)

nurse_id, date_assigned → ward_code, date_completed FULL

ward_code → ward_name TRANSITIVE

2NF

NURSE (<u>nurse_id</u>, nurse_fname, nurse_lname, nurse_phone, nurse_with_children)

NURSE_ASSIGNMENT (<u>nurse_id</u>, <u>date_assigned</u>, ward_code, ward_name, date_completed)

3NF

NURSE (<u>nurse_id</u>, nurse_fname, nurse_lname, nurse_phone, nurse_with_children)

NURSE_ASSIGNMENT (<u>nurse_id</u>, <u>date_assigned</u>, ward_code, date_completed)

WARD (<u>ward_code</u>, ward_name)