

4b. Create Inpatient Episodes - Requirements Specification

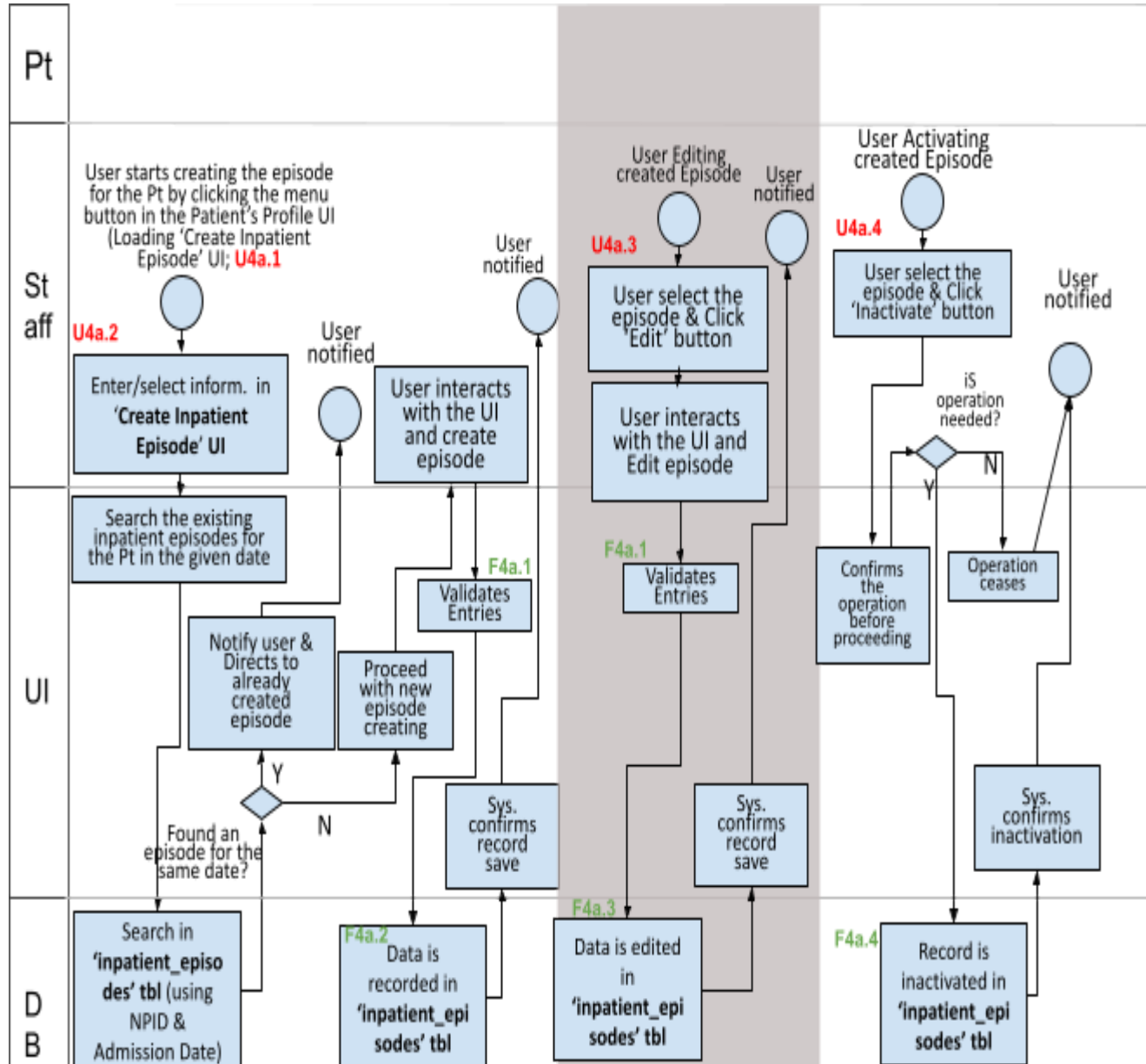
Introduction

- This creates a new inpatient episode for a newly registered Pt or already registered Pt who comes for subsequent visits.
- There is a dedicated interface for this; '**Create Inpatient Episode**' UI (**Create_Inpatient_Episode**) which has the '**inpatient_episodes**' as the main backend table.
- This should be used by all clinical and ward clerks

Needed additional functions

- In the UI a list of all inpatient episodes of the patient should be listed
- The interface should facilitate entry of a new inpatient episode for the Pt, if there is already an entered episode for the same date that should be flagged to the user.
- Auto-filling, dropdown menus should be provided to validate entries and improve user-friendliness.
- In some systems, episode/admission creation may be done by a dedicated system for patient administration. In that case, this data should be obtained from a different database through an API/direct entry.
- Once executing user actions (**U4a.1 - U4a.4**) always should check for the accessibility and privileges of the user (User Access Level)
- Any change in the data (through **F4a.2- F4a.4**) of the main table should be recorded in the system log with Date, Time, User Name, Table, Field & Change

Application Process - Create/Edit/Inactivate Inpatient Episodes for a registered patient



User Functions

- U4a.1 - Loading - Create_Inpatient_Episode
- U4a.2 - Create the new episode
- U4a.3 - Edit episode
- U4a.4 - Inactivate episode

System/DB Functions

- F4a.1 - Validating entries in creating a new episode
- F4a.2 - Creating a new episode
- F4a.3 - Edit episode
- F4a.4 - Inactivate episode

Suggested UI

Create Inpatient Episodes

PID: 1221335622 Name: John Doel DOB: 23-05-1967 Address: 67, Main St, Rosetta, TAS 7028

Patient Profile
 Episode Dashboard
 Patient Search

Date	Consultant- Ward (Diagnosis)
25/01/2021	Water Phillips - K10 (XXX)
05/10/2020	Helen Hiedi - 2A (AAA)
13/04/2020	Jill Fraiser - 5A (BBBB)
10/10/2015	Water Phillips - K8 (DDD)

Search

Field :

Criteria :

Additional Entries

In form load 'Save' & 'Cancel' should be disabled. Once 'Add'/'Edit' is clicked 'Add'/'Edit' should be disabled while 'Save'/'Cancel' enabled. After 'Save'/'Cancel' clicked 'Add'/'Edit' enabled while 'Save'/'Cancel' disabled.

Admission Date : 21/02/2021
 Admission Time : 08:45

Admitting Consultant :
 Admitting Ward :

Visit Type :
 Onset Date : 21/01/2021

Compliant :

Primary Diagnosis :

Diagnosis in ICD-10 AU/SNOMED

Diagnosis Type :
 Current Ward :

Care Plan :
 Remarks :

Outcome :

Discharge Date : 21/01/2021
 Discharge Time : 08:45

Discharge Consultant :
 Discharge Ward :

Discharge Destination :
 Discharge Summary Completed : ☐

Add. Entry 1 :
 Add. Entry 2 :
 Add. Entry 3 :

Add
 Edit
 Save
 Cancel
 Inactivate

Goto [80d. RS- Additional Entry Subform](#) to get more details 'Additional Entries'.

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Table: inpatient_episodes, table ID: 62 (new table)

Blue - Using old fields | Red - New field | Black- Not using fields

Table_ID	Table_Name	Field_Name	Field_ID	Type	Type_Txt	Size	Null	Key	Default	Extra	Comment	Add_Entry	Auto_Fill	Default_val	Add_Entry_Order	Add_Entry_Section	Missing_Item
62	inpatient_episodes	Episode_ID	62_1	int(11)	int	11	NO	PRI	NULL	auto_increment	Episode ID						
62	inpatient_episodes	NPID	62_2	varchar(20)	varchar	20	No		NULL		Patient system ID						
62	inpatient_episodes	Admission_Date	62_3	date	date		NO		Now		Admission Date						
62	inpatient_episodes	Admission_Time	62_4	datetime	datetime		NO		Now		Admission Time						
62	inpatient_episodes	OnsetDate	62_5	date	date		YES		NULL								
62	inpatient_episodes	Complaint	62_6	varchar(200)	varchar	200	YES		NULL								
62	inpatient_episodes	Primary_Diagnosis	62_7	varchar(200)	varchar	200	YES		NULL								
62	inpatient_episodes	ICD_Code	62_8	varchar(10)	varchar	10	YES		NULL								
62	inpatient_episodes	ICD_Text	62_9	varchar(200)	varchar	200	YES		NULL								
62	inpatient_episodes	SNOMED_Code	62_10	varchar(10)	varchar	10	YES		NULL								
62	inpatient_episodes	SNOMED_Text	62_11	varchar(500)	varchar	500	YES		NULL								
62	inpatient_episodes	Diagnosis_Type	62_12	varchar(30)	varchar	30	YES		NULL		Whether Confirmed/Tentative						

62	inpatient_episodes	VisitType	62_13	varchar(20)	varchar	20	YES	NULL	whether Elective/Emergency/Transfer							
62	inpatient_episodes	Consultant_Admitting	62_14	varchar(50)	varchar	50	YES	NULL	Admitting consultant							
62	inpatient_episodes	Consultant_Current	62_15	varchar(50)	varchar	50	YES	NULL	Current consultant							
62	inpatient_episodes	Consultant_Discharge	62_16	varchar(50)	varchar	50	YES	NULL	Discharge consultant							
62	inpatient_episodes	Ward_ID	62_17	int(11)	int	11	YES	NULL	Ward ID							
62	inpatient_episodes	Remarks	62_18	varchar(200)	varchar	200	YES	NULL								
62	inpatient_episodes	Active	62_19	tinyint(1)	tinyint	1	YES	1								
62	inpatient_episodes	CreateDate	62_20	datetime	datetime		YES	NULL								
62	inpatient_episodes	CreateUser	62_21	varchar(200)	varchar	200	YES	NULL								
62	inpatient_episodes	Discharge_DateTime	62_22	datetime	datetime		YES	NULL								
62	inpatient_episodes	Discharge_Destination	62_23	varchar(50)	varchar	50	YES	NULL	Discharge destination (Home/Residential care/Subacute/Interim Care/Other facility)							
62	inpatient_episodes	Discharge_Summary_ID	62_24	varchar(40)	varchar	40	YES	NULL	Discharge summary ID, directs to dis. information in another table							
62	inpatient_episodes	Outcome	62_25	varchar(50)	varchar	50	YES	NULL	Outcome of the admission (Discharged/Transfer/Dead)							
62	inpatient_episodes	LastUpdate	62_26	datetime	datetime		YES	NULL								
62	inpatient_episodes	LastUpdateUser	62_27	varchar(200)	varchar	200	YES	NULL								

	episodes				ar												
62	inpatient_episodes	isNotify	62_28	tinyint(1)	tinyint	1	YES		0								
62	inpatient_episodes	Care_Profile	62_29	varchar(150)	varchar	150	YES		NULL		Entries for this should be listed from already defined 'Care Profiles'						