EDRS
Use Case Specification:
EDRS_UC_023_Certify_Cause_Of_Death

Version 2.7

Revision History

Date	Version	Description	Author
2/12/03	1.0	Original	Donn Olsen
04/18/03	2.0	Expanded Use Case	Donn Olsen
05/15/03	2.1	Modified based upon Florida Analysis Meeting	Donn Olsen
7/29/03	2.2	Modified based upon Atlanta Analysis Meeting	Donn Olsen
9/24/03	2.3	Modified based on post-Atlanta Review	Abe Grund
10/20/03	2.4	Formatting and structural changes	Kumar Batra
12/23/03	2.5	Updated based on review comments by the EDRS core team.	Kumar Batra
01/08/04	2.6	Minor Modification.	Kumar Batra
01/14/04	2.7	Minor Modification.	Kumar Batra

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1. EDRS_UC_004_Certify_Cause_of_Death

1.1 Brief Description

The functionality in this use case is used to 'Certify' the Medical Information Section of the Case. The Medical Information Section of the case includes the 'Cause of Death' also. For a Death Certificate to be registered in a jurisdiction, the Medical Information section needs to be certified.

This use case is invoked when the actor selects the option 'Certify Now' in the use case 'EDRS_UC_002_Create_a_Case – MC' or 'EDRS_UC_002_Create_a_Case - MC'.

2. Actor(s)

2.1 Medical Certifier

2.2 ME/Coroner

2.3 Medical Data Entry Clerk

3. Pre-Conditions

3.1 The actor has selected the option 'Certify Now' in the use case 'EDRS_UC_002_Create_a_Case – MC' or 'EDRS_UC_002_Create_a_Case - MC'.

3.2 The actor with authority to 'Certify' the Medical Information Section is available.

4. Flow of Events

4.1 Basic Flow

	Actor	**System**
1.		Verify if the logged in user has the authority to 'Certify'.
2.		*(the logged in user is authorized to 'certify')* Display options – 'Certify', 'Decline to Certify' and 'Refer to ME/Coroner'. *(The actor would choose one of the options that are displayed.)*
3.	Select option – 'Certify'. *The Basic Flow details the steps when the actor selects to 'Certify' the Medical Information Section.* *See Alt Flow 4.2.4 for the scenario when the actor selects the option 'Decline to Certify'.*	Invoke Signature capture and authentication mechanism. *The details of this step would be decided in the design phase. It may depend on the mechanism preferred by the jurisdiction e.g. Bio-metric capture, digital signature etc.*

	See Alt Flow 4.2.5 for the scenario when the actor selects the option 'Refer to ME/Coroner'.	
4.		Set status of 'Medical Information Section' on the case to 'Certified'. *If the 'Personal Information Section' on the case is already signed, it is automatically submitted for registration.*
5.		If Case is owned by a FH: Send notification to the FD of the FH associated to the case.
6.		If 'Signature Login' information supplied in the alternate flow 4.2.1: Log off the 'Signature Login'. *The signature login was supplied by an authorized user who could certify the Medical Information Section. Once the certification is over, the system logs off it, and reverts back to the login privileges of the user who was originally logged in.*
7.		Update event log.
8.		Exit.

4.2 Alternate Flow(s)

4.2.1 *System detects that the logged in user is not authorized to 'certify' in Basic Flow Step 2.*

	Actor	**System**
2.A		*(logged in user is not authorized to 'certify')* Display 'Signature Login Screen'. *This typically occurs when the Medical Data Entry Clerk creates the case in use case 'EDRS_UC_002_Create_a_Case – MC' and selects option to 'Certify Now'.*

2A.1	Enter 'Signature Login' information. *The Medical Data Entry Clerk can ask an authorized user, who can certify the case, to enter the signature login information at this point.*	Verify authorization. *The system verifies if the user whose 'signature login' information is supplied, is authorized to certify or not.* *If signature verification is successful the system proceeds to next step.* *See Alt Flow 4.2.2 for the scenario when the signature verification fails.* *The jurisdiction would define the number of attempts that the actor can try to enter 'Signature Login' information. See Alt Flow 4.2.3 for the scenario when the jurisdictionally define limit is reached.*
2A.2		*(verification successful)* Go to Basic Flow Step 2.

4.2.2 Verification of signature login information fails in Alt Flow 4.2.1 Step 2A.1

	Actor	**System**
2A.1A		*(signature verification failure)* Display 'Screen Login Screen' again with failure message explaining the reason of failure.
2A.1A.1		Go to Alt Flow 4.2.1 Step 2.A.

4.2.3 Signature failure reaches jurisdictionally defined limit in Alt Flow 4.2.1 Step 2A.1

	Actor	**System**
2A.1B		*(signature verification failure reaches jurisdictionally defined limit)* Display message – 'Contact the Facility System Administrator'.
2A.1B.1		Exit.

4.2.4 Actor selects option 'Decline to Certify' in Basic Flow Step 3

	Actor	**System**
3.A	Select option – 'Decline to Certify'.	Display reasons to 'Decline to Certify' the case. *Specific list of reasons will be developed by the jurisdiction in the design phase.*
3A.1	Select reason(s) and/or enter explanation for declining to certify the case.	Save reason(s) with explanation to decline to certify.
3A.2		Set status of 'Medical Information Section' to 'Decline to Certify'.

3A.3		Update event log.
3A.4		Exit.

4.2.5 Actor selects options to 'Refer to ME/Coroner' in Basic Flow Step 3

		Actor	**System**
3.B		Select option – 'Refer to ME/Coroner'.	Display the list of ME/Coroner(s).
3B.1		Select a ME/Coroner from the list. *In offices with large numbers of ME's, the referral should just go to the "office" not a specific ME/Coroner. The office would then take care of the actual assignment of an ME/Coroner if the case is accepted.*	Refer the case to the selected ME/Coroner. Replace the information of the Medical Facility of the logged in user with the information of Medical Facility of the ME/Coroner.
3B.2			Display reasons to refer the Case to ME/Coroner. *Specific list of reasons will be developed by the jurisdiction in the design phase.*
3B.3		Select reason(s) and/or enter explanation for referring the case to ME/Coroner.	Save reason(s) with explanation of referring the case to ME/Coroner.
3B.4			Set status of 'Medical Information Section' to 'Referred to ME'.
3B.5			Notify the ME/Coroner.
3B.6			If Case is owned by a FH: Send notification to the FD of the FH associated to the case.
3B.7			Update event log.
3B.8			Exit.

5. Post-Conditions

5.1 The 'Medical Information Section' (including the COD) on the Death Certificate Case is certified.

If the 'Personal Information Section' on the case is already 'signed', it is submitted for registration.

5.2 The 'Medical Information Section' on the Death Certificate Case is 'Decline to Certify'. (Alt Flow 4.2.3)

5.3 The Death Certificate Case is 'Referred to ME/Coroner'. (Alt Flow 4.2.4)

5.4 Updated event log

6. Special Requirements / Business Rules

None

7. Data

7.1 Case information

7.2 Signature certification authorization

7.3 Default ME/Coroner referral set-up

7.4 Activity History

7.5 Event log entry