Egyptian Universal Health Insurance Program (UHI)

UHI Beneficiaries Rollout Project

Version Number V 1.0

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Arab Republic of Egypt
Ministry of Communications
and Information Technology

Updates History

Date of Issue	Version Number	Updated By	Description
5th Dec 2019	V0.1	Basma Gamal	Document created
8th Dec 2019	V0.2	Basma Gamal	Document updated according to peer review comments.
15th Dec 2019	V0.3	Basma Gamal	Document updated according to internal review comments.
18th Dec 2019	V1.0	Basma Gamal	Document sent to client

Sign-off and Approvals

Name	Position	Version Approved	Date

Change Requests

The following table summarizes the changes to the system since first baseline

Change Request ID	Target Module	Amendment Description	Affected Sections	Date	A* D M

*A – ADDED, **M** – MODIFIED, **D** – DELETED

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1 INTRODUCTION

1.1 ABOUT UHI UNIVERSAL HEALTH INSURANCE PROGRAM

The Egyptian government, through the **Ministry of Health and Population**, is striving to develop its health services for citizens by developing a **Universal Health Insurance Program**.

To this end, the Egyptian Government wishes to build a coherent system to enroll all beneficiaries of health insurance services and linking their data to its central consolidated database.

Based on what has been achieved in the first phase of the project, during which the beneficiaries were enrolled in Port Said Governorate, the current project is an extension of the first phase. During this new phase –Enrollment Rollout Phase- five additional governorates (Ismailia, Suez, South Sinai, Luxor and Aswan) will be incorporated into the beneficiary enrollment system.

Furthermore, this phase aims to link enrollment data with **Administrative Control Authority (ACA)** database –via the **Governmental Gateway (G2G)**- without the need for any intermediate databases.

1.2 PURPOSE AND SCOPE OF THE DOCUMENT

The purpose of this document is to clearly and precisely define the idea, the functionalities and the output of Phase two of UHI Beneficiaries Rollout Project; this deals with the objectives of the final product defined in the project requirements, and any rules for creating the product.

1.3 DOCUMENT AUDIENCES

- Ministry of Health and Populations (MOHP)
- Unified Health Insurance Authority (UHIA)
- Administrative Authority Control (ACA)
- Ministry of Communications and Information Technology (MCIT)
- Microsoft
- Teradata
- Link Development team

1.4 GLOSSARY

Table 1 Glossary Table

Term	Definition
Primary Care Unit (PCU)	**Primary Care** is the day-to-day **healthcare** given by a **health care** provider. Typically, this provider acts as the first contact and principal point of continuing **care** for patients within a **healthcare** system, and coordinates another specialist **care** that the patient may need.
ACA	**Administrative Authority Control (ACA**) is s an independent organization affiliated to the Chairman of the Executive Board . Some of the responsibilities of ACA are: ❍ Research and investigate the causes of shortcomings in work and production, including the detection of defects in administrative, technical and financial systems. ❍ Follow up the implementation of laws and ensure that the applicable decisions, regulations and regulations are adequate to achieve its purpose. ❍ Examining complaints submitted by citizens about violating laws or negligence in performing job duties. ❍ Providing ministers and governors with any information, data or studies they request from it. The **Administrative Authority Control (ACA)** shall submit its investigations, research, studies and proposals to the Chairman of the Executive Council to take whatever action it deems necessary. Source: https://ar.wikipedia.org/wiki/%D9%87%D9%8A%D8%A6%D8%A9_%D8%A7%D9%84%D8%B1%D9%82%D8%A7%D8%A8%D8%A9_%D8%A7%D9%84%D8%A5%D8%AF%D8%A7%D8%B1%D9%8A%D8%A9_(%D9%85%D8%B5%D8%B1)
Nuclear Family	A **Nuclear Family** is a family group consisting of two parents and their children. Source: https://en.wikipedia.org/wiki/Nuclear_family
Household Family	A **Household** consists of one or more people who live in the same dwelling and share meals. It may also consist of a single family or another group of people. The household is the basic unit of analysis in many social, microeconomic and government models, and is important to economics and inheritance. Source: https://en.wikipedia.org/wiki/Household

2 PROJECT OBJECTIVES

2.1 WHY OBJECTIVES ARE IMPORTANT

Objectives are important for three major reasons:

- ❒ They represent an agreement between the project manager and the project sponsor (and other major stakeholders) on the main purpose of the project.
- ❒ They help frame the project as they determine the deliverables needed to achieve the objectives. One can validate that all of the work that is being performed will ultimately help achieve those objectives.
- ❒ They help declare success. At the end of the project, users should be able to determine whether everything expected in the project objectives has, in fact, been achieved.

2.2 PHASE OBJECTIVES

The aim of this phase is to extend the work of the first phase "Port Said Beneficiaries Enrollment" to five additional governorates (Ismailia, Suez, South Sinai, Luxor and Aswan).

Moreover, in this phase it is required to change the solution architecture to rely directly on ACA database instead of the intermediate database to ensure data integrity and confidentiality.

On the other hand, it is also required to clearly define the main business workflows covered by the proposed solution.

Data Integrity and Confidentiality by allowing read only access for specific fields in ACA Cosnoldated Database.

Less Data Manipulation by transforming Nuclear Family details stored in ACA Consolidated Database to HouseHold Family to be stored in the Beneficiaries Database..

Less Operation Time.
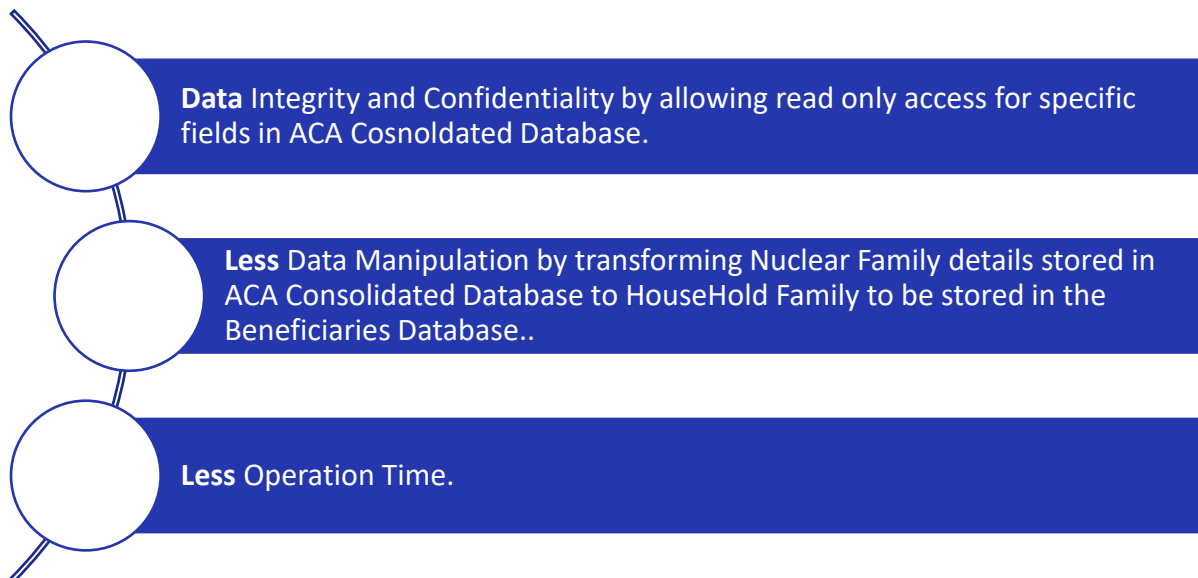
3 GENERAL INFORMATION

3.1 PRODUCT OVERVIEW

Figure 1 UHI Enrollment Beneficiaries Application Product Overview
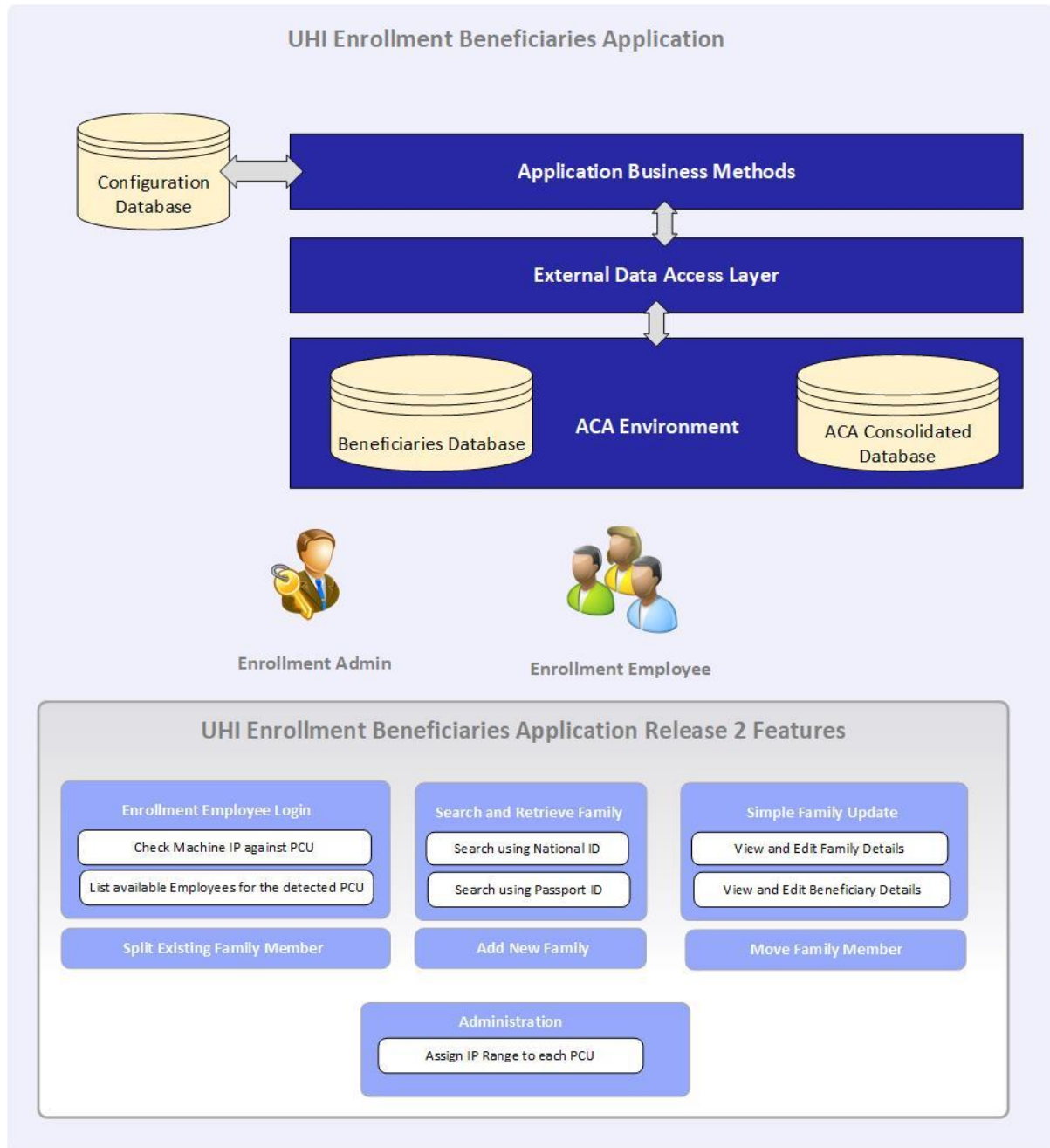
3.2 PRODUCT FUNCTIONS

The following are the components of Phase 2 of UHI Beneficiaries Enrollment Application:

3.2.1 LOGIN RESTRICTION BY IP RANGE

- **PCU Enrolment Employee Login,** the system will allow Enrollment Employee to login to the Enrollment Application based on the PCU that the Employee is assigned and based on the IP range assigned to this PCU.

  For more details, please refer to PCU Enrollment Employee Login*.*

3.2.2 FAMILY MANAGEMENT/ACTIONS

- **Search and Retrieve Family,** Search is the starting point for the Enrollment Employee to start his/her work. The Enrolment Employee starts searching for Beneficiaries using either National ID or Passport ID to retrieve Family Tree (including Family and List of Family Members)

  For more details, please refer to Search and Retrieve Family*.*

- **Simple Family Update,** after retrieving the Family Tree, Enrollment Employee shall be able to update Family Details under the retrieved Family. This is already implemented in in phase one except for the validations.

  For more details, please refer to Simple Family Update*.*

- **Family Members Update,** after retrieving the Family Tree, Enrollment Employee shall be able to add/remove Family Members under the retrieved Family. This is already implemented in in phase one except for the validations.

  For more details, please refer to Family Members Update*.*

- **Add New Family,** Enrollment Employee shall be able to add new family for non-Egyptian Beneficiary who is the Head of Family as long as the Beneficiary Passport ID doesn't exist in the Beneficiaries Database.

  For more details, please refer to Add New Family*.*

3.2.3 BENEFICIARY MANAGEMENT/ACTIONS

- **Split Existing Family Member,** Enrollment Employee shall be able to split an existing Family Member and create new family for this split member. The split member will be the Head of Family of the newly created family.

  For more details, please refer to Split Existing Family Member*.*

- **Move Family Member,** Enrollment Employee shall be able to remove a member from his/her current family and add this member to another family.

  For more details, please refer to Move Family Member*.*

3.2.4 ADMINSITARTION

- **Administration,** Enrollment Admin is responsible for registering PCUs, assigning IP range for each PCU and assigning Enrollment Employees to PCUs.

For more details, please refer to Administration*.*

3.3 EXTERNAL INTERFACE REQUIREMENTS

3.3.1 SOFTWARE INTEGRATED SYSTEMS

Table 2 Integrated Software Systems

System	Description
External Data Access Layer	This is the tier which will have access to the database to transform all business methods into database transactions to get and post data.
ACA Consolidated Database (ACA Environment)	This database holds citizens' nuclear family details and it provides the necessary data requested from beneficiaries' database. This database will allow only reading data for specific fields.
Beneficiaries Database (ACA Environment)	This database holds all enrolled registered families' details. This database will allow read and write authority for the beneficiaries' enrollment application via the external data access layer.

3.4 PRODUCT USERS

Table 3 Product Users

Role	Description	Privileges
Enrollment Application Employee	Enrollment Employee is responsible for reviewing and editing Beneficiary and Family details.	PCU Enrollment Employee Login Search and Retrieve Family Family Members Update View and Edit Beneficiary Details in the Retrieved Family Members List View and Edit Family Details in the Retrieved Family Members List Add New Family Split Existing Family Member Move Family Member
Enrollment Admin	Enrollment Admin is responsible for the administration of the Enrollment Application.	Assign IP Range to each Primary Care Unit

4 FUNCTIONAL REQUIREMENTS

4.1 PCU ENROLLMENT EMPLOYEE LOGIN

4.1.1 OVERVIEW

The system will allow Enrollment Admin to register all Primary Care Units (PCUs) in the system and assign a range of IPs for each PCU. The system will authenticate Enrollment Employee via a username and a password, then it will authorize the employee using his/her PCU and assigned IP range to the PCU. In case the machine's IP doesn't belong to the IP range assigned to the PCU, an error message will appear and employee will not be able to login.

In other words, using as username and a password the system detects the employ's PCU then the system will match the machine's IP against the IP range assigned to this PCU.

4.1.2 PCU ENROLLMENT EMPLOYEE LOGIN

[EmpLogn_REQ01] Enrollment Employee shall be able to login to Enrollment Application via credentials (username and password) using the machine IP assigned to the PCU.

[EmpLogn_REQ01.1] If the username and password entered by the Enrollment Employee is correct and the machine IP matches the PCU IP range assigned by the admin, then the Enrollment Employee will be able to login.

[EmpLogn_REQ01.2] After successful login, the session expires daily at 12:00 AM and Enrollment Employee will need to enter his/her credentials again to login.

[EmpLogn_REQ01.3] If username and password is not correct, an error message will be displayed.

Note	Change Password and Forgot Password scenarios will be handled offline.

4.1.2.1 TEMPLATES AND FORMS

4.1.2.1.1 LOGIN FORM

Field	Type	Comment
Login Details		
Username *	Single Line	
Password *	Single Line	

Note: the red asterisk (*) indicates that the field is mandatory

4.1.3 PCU ENROLLMENT EMPLOYEE LOGOUT

[EmpLogn_REQ02] Enrollment Employee shall be able to logout from the Enrollment Application at any time.

4.2 SEARCH AND RETRIEVE FAMILY

4.2.1 OVERVIEW

Search process is the trigger for any business workflow except the login.

Search starts by entering either of the following:

    A.   National ID for a Beneficiary of an "Egypt" Nationality

    B.   Passport ID for a Beneficiary of Nationality other than "Egypt"

Figure 2 Search and Retrieve using Beneficiary National ID
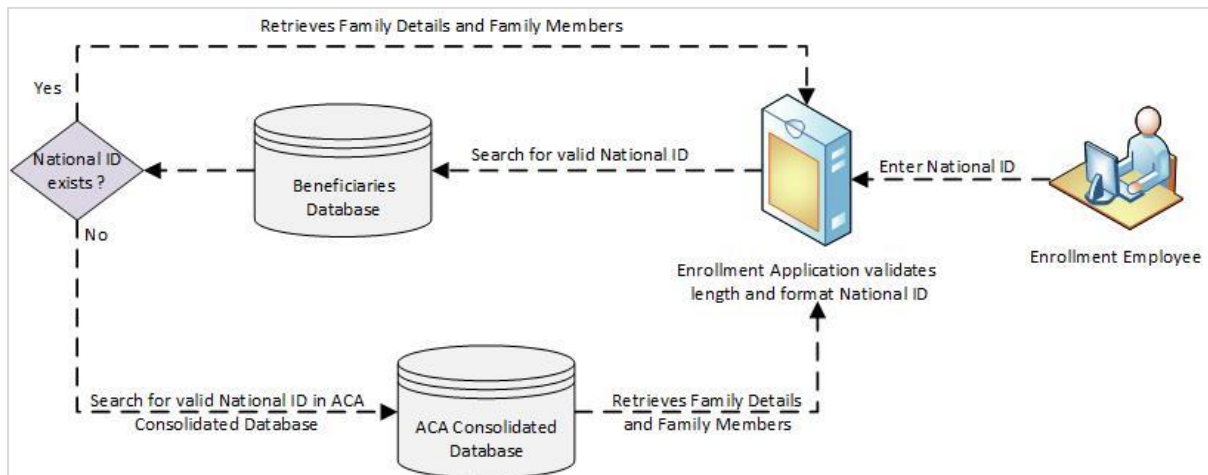
National ID will be validated on two levels:

- ❏ Enrollment Application validation: The system will validate the length and format of the National ID, if the National ID length and format is valid it will be passed to ACA environment to ensure it is an existing ID.
- ❏ ACA Environment Validation:

    A.   Get-Family Web-service will check the provided National ID against Beneficiaries Database, if exists the web-service will retrieve the Family Tree (including family members) from Beneficiaries database.

    C.   If the provided National ID doesn't exist in Beneficiaries ID, the system will validate the National ID against ACA Consolidated Database:

    B.   If the National ID exists in ACA Consolidated Database, a web-service will retrieve the family details (including family members) from the Consolidated Database. The system should check if any of the retrieved family members exists in the Beneficiaries Database in another family; if a Beneficiary exists in another family, then a warning message will be displayed and in case the Enrollment Employee wants to save the Beneficiary to the retrieved family, the employee needs to delete the Beneficiary first from the other family then save it to the retrieved family.

    C.   If the National ID doesn't exist in ACA Consolidated Database, then an error message will be displayed to the Enrollment Employee.

Figure 3 Family Tree

أسرة : ٢٨٤١٠٤١٩٠٢٨٧ احمد محمد احمد		استوفيت ⊘ •••
مستفيد : جمال محمد		استوفيت ⊘ 🗑 •••
مستفيد : على		استوفيت ⊘ 🗑 •••
مستفيد : محمد		استوفيت ⊘ 🗑 •••
مستفيد : السيده		استوفيت ⊘ 🗑 •••
مستفيد : ٢٨٤١٠٤١٩٠٢٨٧ كريم كريم فهمي		استوفيت ⊘ 🗑 •••

Passport ID length and format will not be validated

❒ At the current phase, no Passport IDs are stored neither in the Beneficiaries Database nor in the ACA Consolidated Database, thus the web-service will allow Enrollment Employee to add new Beneficiary using Passport ID either to an Existing Family or to Add new Family and then add Beneficiary to the newly created Family. Passport ID is only used if the Nationality of the Beneficiary is not "Egypt".

❒ After adding a non-Egyptian Beneficiary to the Beneficiaries Database, it is expected that the Enrollment Employee could Search for Beneficiary using Passport ID which was previously stored in Beneficiaries Database.

Generic Note	This is generic note from Phase 1: ✓ Family Member will be colored in **"Red"** in the Family Tree if his/her details are incomplete. ✓ Family Members will be colored in **"Green"** in the Family Tree if his/her details are complete. ✓ Family will be colored in **"Red"** in the Family Tree if the Family details are incomplete or any of the Family Members under this Family is incomplete. ✓ Family will be colored in **"Green"** in the Family Tree if the Family details are complete and all Family Members details under this Family are complete.

4.2.2 SEARCH FOR BENEFICIARY USING NATIONAL ID

[SrchNID_REQ03] Enrollment Employee shall be able to search for a beneficiary using National ID in case the Beneficiary is Egyptian.

4.2.2.1 TEMPLATES AND FORMS

4.2.2.1.1 SEARCH FOR BENEFICIARY FORM

Field	Type	Comment
ID *	Single Line	**For Egyptian Beneficiaries, then the following validations will be applied on the ID:** Accepts numbers only and of Length 14 characters. This field is displayed only if the selected Nationality is "Egyptian". System should validate on the structure of National ID according to the following: A. The first number on the left should be either "2" or "3" where "2" represents people with date of birth from 1900 to 1999 and "3" represents people with date of birth from 2000 to 2099 B. The concatenation for the second and third number from the left represents the year of Date of Birth and should be ranging from "00" to "99" if the first number is "2" or ranging from "00" to "19" if the first number is "3" C. The concatenation of the fourth and fifth number represents the month of Date of Birth should be ranging from "01" to "12" D. The concatenation of the sixth and seventh number represents the day of Date of Birth and should be ranging from "01" to "31" E. The concatenation of the eighth and ninth number represents the Governorate of Birth and should be one of the following: 01 for Cairo 02 for Alex 03 for Port Said 04 for Suez 11 for Damietta 12 for Dakahlia 13 for Eastern 14 for Qalyubia 15 for Kafr El-Sheikh 16 for Western 17 for Menoufia 18 for Lake 19 for Ismailia 21 for Giza 22 for Beni Suef 23 for Fayoum 24 for Minya

		25 for Assiut 26 for Sohag 27 for Qena 28 for Aswan 29 for Luxor 31 for Red Sea 32 for New Valley 33 for Matruh 34 for North Sinai 35 for South Sinai If the person was born outside the Arab Republic of Egypt, the number is fixed 88 for all those born outside of it F. The 13th number from the left represents Gender and should be either (1,3,5,7,9) for males or (2,4,6,8) for females. G. The 14th number should be ranging from "1" to "9" If the selected ID Type is **"Passport ID"**, then the web-service will validate on the uniqueness of the combination of Passport ID and Nationality.
Non-Egyptian	Checkbox	By default, it is unchecked.
Nationality *	Single Selection	This field is displayed if Non-Egyptian checkbox is checked and it is managed by Enrollment Admin.

Note: the red asterisk (*) indicates that the field is mandatory

4.2.3 VIEW SEARCH RESULT FOR SEARCH USING NATIONAL ID

[SrchNID_REQ04] Enrollment Employee shall be able to view the search result which is the family tree of the Beneficiary. The Family tree includes:

- ❐ Family
- ❐ Family Members List, representing list of Beneficiaries under the Family including the Beneficiary who the Enrollment searched for his/her National ID.

4.2.3.1 TEMPLATES AND FORMS

4.2.3.1.1 SEARCH RESULT FOR SEARCH USING NATIONAL ID

Field	Type	Comment
Family	Clickable Link	This is clickable link which opens Family Details Form for editing. This will be discussed in details in Simple Family Update. The title of the Family in the Family Tree represents: **[National ID of the Head of the Family (if exists) + First Name of the Head of the Family (if exists) + Other Name of the Head of the Family (if exists)]**
Family Member	Clickable Link	Each Family Member is a clickable link which opens Beneficiary Details Form . This will be discussed in details in Simple Family Update. The title of the Family Member in the Family Tree represents **[National ID/Passport ID of the Family Member (if exists) + First Name of the Family Member (if exists) + Other Name of the Family Member (if exists)]**

Note: the red asterisk (*) indicates that the field is mandatory

4.2.4 SEARCH FOR BENEFICIARY USING PASSPORT ID

[SrchPsrtID_REQ05] Enrollment Employee shall be able to search for a beneficiary using Passport ID in case the nationality of the beneficiary is not "Egyptian" using Search for Beneficiary Form

4.2.5 VIEW SEARCH RESULT FOR SEARCH USING PASSPORT ID

[SrchNID_REQ06] Enrollment Employee shall be able to view the search result which is the family tree of the Beneficiary. The Family tree includes:

❒ Family
❒ Family Members List, representing list of Beneficiaries under the Family including the Beneficiary who the Enrollment searched for his/her Passport ID.

4.2.5.1 TEMPLATES AND FORMS

4.2.5.1.1 SEARCH RESULT FOR SEARCH USING NATIONAL ID

Field	Type	Comment
Family	Clickable Link	This is clickable link which opens Family Details Form for editing. This will be discussed in details in Simple Family Update. The title of the Family in the Family Tree represents: **[Passport ID of the Head of the Family (if exists) + First Name of the Head of the Family (if exists) + Other Name of the Head of the Family (if exists)]**
Family Member	Clickable Link	Each Family Member is a clickable link which opens Beneficiary Details Form . This will be discussed in details in Simple Family Update. The title of the Family Member in the Family Tree represents [**National ID/Passport ID of the Family Member (if exists) + First Name of the Family Member (if exists) + Other Name of the Family Member(if exists)]**

Note: the red asterisk (*) indicates that the field is mandatory

4.3 FAMILY MEMBERS UPDATE

4.3.1 OVERVIEW

Starting from this section, it is assumed the Enrollment Employee has already retrieved Family Members List whether from Beneficiaries Database or from ACA Consolidated Database and it is published on the Enrollment Beneficiaries Application.

In this scenario, the Enrollment Employee will update the Family Tree by adding or removing Family Members as implemented in phase one.

4.3.2 FAMILY MEMBERS UPDATE BUSINESS FLOW

Figure 4 Family Members Update Business Flow
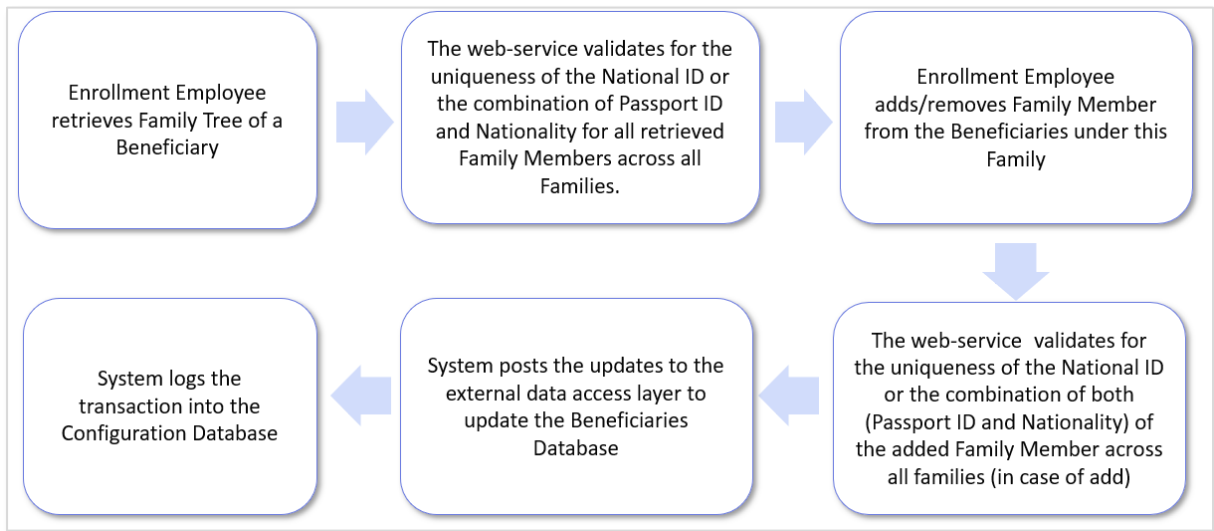
4.3.3 BUSINESS RULES

Business Rule ID	Description
RtrvdFmlMem_BR01	The action of removing a Family Member from the Family Members List can't be applied on the Head of the Family.

4.3.4 VIEW AND EDIT RETRIEVED FAMILY MEMBERS LIST

[RtrvdFmlMem_REQ07] Enrollment Employee shall be able view and edit the retrieved Family Members.

[RtrvdFmlMem_REQ07.1] A web-service should check the uniqueness of the National ID (for Egyptian Beneficiaries) or the combination of Passport ID and Nationality (for non-Egyptian Beneficiaries) of the Family Member across all Families, if not unique a warning message should be displayed to the Enrollment Employee to remove the Beneficiary first from the family that he/she is currently existing then add him/her to the retrieved family.

[RtrvdFmlMem_REQ07.2] Enrollment Employee shall be able to add new Family Member as a Beneficiary under the retrieved Family; a popup is opened to the Enrollment Employee to retrieve full details of the Beneficiary using Beneficiary Search Popup.

 [RtrvdFmlMem_REQ07.3] Enrollment Employee shall be able to remove an existing Family Member from the retrieved Family; this member cannot be the Head of Family.

[RtrvdFmlMem_REQ07.4] System should post the updates on families to the external data access layer which in turn will update the family structure in beneficiaries' database.

[RtrvdFmlMem_REQ07.5] System should log the transaction done on the family. Logging details are:

- ✓ Employee Username
- ✓ Last Update Date
- ✓ Machine IP

4.3.4.1 TEMPLATES AND FORMS

4.3.4.1.1 BENEFICIARY SEARCH POPUP

Field	Type	Comment
Primary Care Unit Details		
ID *	Single Line	The web-service should check for the uniqueness of the National ID (in case of Egyptian) or the combination of Passport ID and Nationality (in case of non-Egyptian) across all families.
Non-Egyptian	Checkbox	Default is un-checked.
Nationality *	Single Selection	This field is displayed if "Non-Egyptian" checkbox is checked. This field display a list of Countries and is managed by Enrollment Admin.

4.4 SIMPLE FAMILY UPDATE

### 4.4.1 OVERVIEW

In this section, it is assumed the Enrollment Employee has already retrieved Family Members List whether from Beneficiaries Database or from ACA Consolidated Database and it is published on the Enrollment Beneficiaries Application. In this scenario, the Enrollment Employees provides full Family Details as implemented in phase one.

4.4.2 SIMPLE FAMILY UPDATE BUSINESS FLOW

Figure 5 Simple Family Update Business Flow
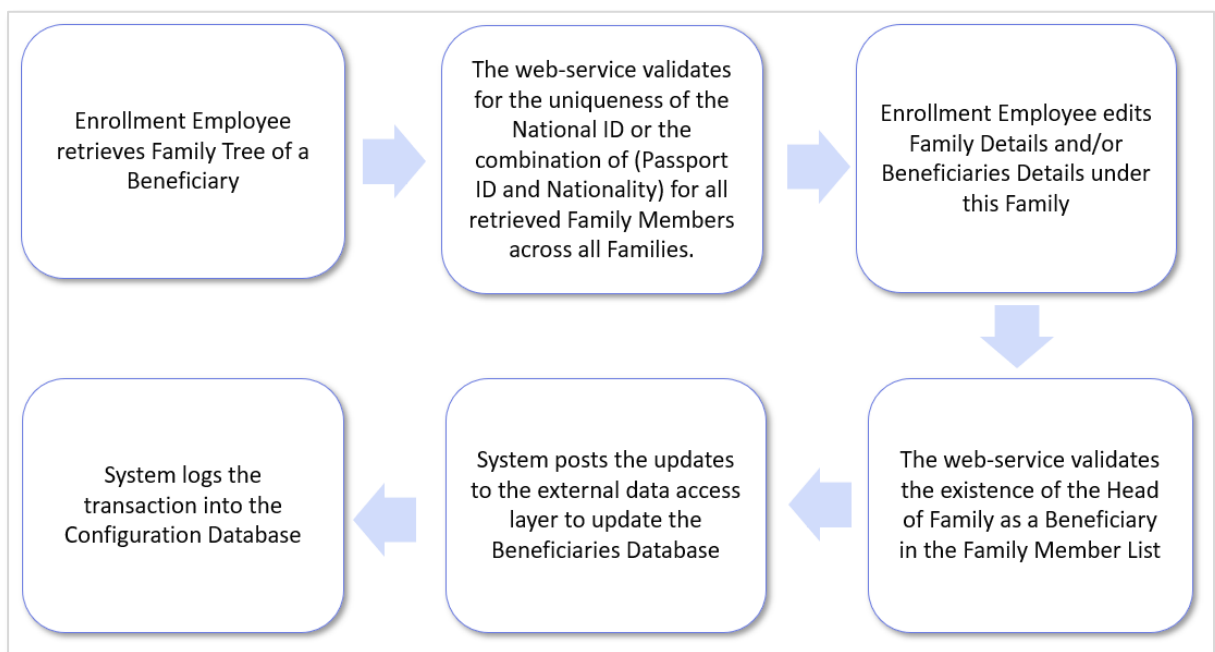
4.4.3 BUSINESS RULES

Business Rule ID	Description
SmplFmlUpdt_BR01	If the Family exists either in Beneficiaries Database or in ACA Database, then Head of Family details can't be changed.
SmplFmlUpdt_BR02	For Egyptian Beneficiaries, the details of the Beneficiary which are (First Name, Other Name, National ID, Gender and Date of Birth) are not editable.
SmplFmlUpdt_BR03	For non-Egyptian Beneficiaries, the details of the Beneficiary which are (Passport ID and Nationality) are not editable.

4.4.4 VIEW AND EDIT BENEFICIARY DETAILS IN THE RETRIEVED FAMILY MEMBERS LIST

[BnfryDtls_REQ08] Enrollment Employee shall be able select one of the retrieved family members to view and edit his/her details.

[BnfryDtls_REQ08.1] The web-service should check the uniqueness of the National ID (for Egyptian Beneficiaries) or the combination of Passport ID and Nationality (for non-Egyptian Beneficiaries) of the edited Family Member across all Families, if not unique a warning message should be displayed to the Enrollment Employee to remove the Beneficiary first from the family that he/she is currently existing then add him/her to the retrieved family.

[BnfryDtls_REQ08.2] System should post the updates on families to the external data access layer which in turn will update the family structure in beneficiaries' database.

[BnfryDtls_REQ08.3] System should log the transaction done on the family. Logging details are:

- ✓ Employee Username
- ✓ Last Update Date
- ✓ Machine IP

4.4.4.1 TEMPLATES AND FORMS

4.4.4.1.1 BENEFICIARY DETAILS FORM

Note	As mentioned earlier in Overview section of Search and Retrieve Family , that the web-service will search for the National ID first in the Beneficiaries Database , if found the web-service will retrieve the Family details of this Beneficiary , else the web-service will search for the National ID in ACA Consolidated Database to retrieve the Family details , if National ID is not found in ACA Consolidated Database then an error message will be displayed. For Passport ID, System (via web-service) will allow Enrollment Employees to add Beneficiaries using the same form below as long as the combination of (Passport ID and Nationality) doesn't exist in the Beneficiaries Database. Once this combination is added to Beneficiaries Database, the web-service will allow Enrollment Employees to retrieve the Family Details of this Beneficiary.

Comment	Type	Field
		بيانات الفرد
The web-service should check for the uniqueness of the National ID (in case of Egyptian) or the combination of Passport ID and Nationality (in case of non-Egyptian) across all families.	Single Line	الرقم القومي/ جواز السفر *
If Egyptian Beneficiary, then this field will be retrieved from Beneficiaries Database or ACA Consolidated Database and it is non-editable.	Single Line	الاسم الأول *
If Egyptian Beneficiary, then this field will be retrieved from Beneficiaries Database or ACA Consolidated Database and it is non-editable.	Single Line	باقى الاسم (اسم ثلاثى على الأقل) *
Options: ▪ ذكر ▪ انثى	Single Selection	النوع *
If Egyptian Beneficiary, then the Date will be retrieved from Beneficiaries Database or ACA Consolidated Database and it is non-editable. If non-Egyptian Beneficiary, then this date should be less than or equal to today's date.	Date Picker	تاريخ الميلاد *
Options: ▪ نفسه ▪ زوج ▪ زوجة ▪ ابن ▪ أب ▪ أم ▪ أخ ▪ أخت ▪ اخري	Single Selection	العلاقة برب الأسرة *
Accepts numbers only and of 11 digits.	Single Line	رقم التليفون المحمول
Options: ▪ أعزب ▪ متزوج ▪ أرمل ▪ مطلق	Single Selection	الحالة الاجتماعية *

Options: • دون السن • أمي • يقرأ ويكتب • ابتدائي • اعدادي • ثانوي • مؤهل عالي • أخري	Single Selection	الحالة التعليمية *
Today's Date	Date	تاريخ التسجيل *
Options: • تأمين حكومى • تأمين خاص • بدون تأمين	Single Selection	نوع التأمين السابق *
Options: • نعم • لا في حالة الاجابة "نعم" يقوم النظام باظهار البيانات الخاصة ب "عنوان السكن"	Single Selection	هل لديك عنوان اخر *
Options: • قطاع حكومى • قطاع خاص • اعمال حرة • قطاع اعمل • بدون عمل • طالب جامعي • طالب • بالمعاش	Single Selection	نوع الوظيفة *
If Egyptian Beneficiary, then this field will be retrieved from Beneficiaries Database or ACA Consolidated Database but it is editable.	Single Line	الوظيفة *
Accepts numbers only.	Single Line	كم وظيفة لديك
Options: • نعم • لا	Single Selection	التأمينات الاجتماعية المسجلة *

	Single Line	ملاحظات
عنوان السكن		
تظهر البيانات التالية في حالة كان الاجابة "نعم" على اجابة سؤال "هل لديك عنوان اخر"		
	Single Line	رقم المبنى (رقم المنزل) *
	Single Line	أسم الشارع *
	Single Line	القرية / الشياخة *
Accepts numbers of eight digits.	Single Line	تليفون

Note: the red asterisk (*) indicates that the field is mandatory

4.4.5 VIEW AND EDIT FAMILY DETAILS IN THE RETRIEVED FAMILY MEMBERS LIST

[FmlyDtls_REQ09] Enrollment Employee shall be able edit the family details.

[FmlyDtls_REQ09.1] The web-service should check that the National ID or Passport ID of the head of family exists in the Family Members List as one of the Beneficiaries under this Family, if not unique a warning message should be displayed to the Enrollment Employee to add the Head of Family as a Beneficiary.

[FmlyDtls_REQ09.2] System should post the updates on families to the external data access layer which in turn will update the family structure in beneficiaries' database.

[FmlyDtls_REQ09.3] System should log the transaction done on the family. Logging details are:

- ✓ Employee Username
- ✓ Last Update Date
- ✓ Machine IP

4.4.5.1 TEMPLATES AND FORMS

4.4.5.1.1 FAMILY DETAILS FORM

Comment	Type	Field
		نموذج بيانات الأسرة
The web-service should check for the uniqueness of the National ID (for Egyptian Beneficiaries) or the combination of the Passport ID and Nationality (for non-Egyptian Beneficiaries) families.	Single Line	الرقم القومي/ جواز السفر لعائل الأسرة *
If Egyptian Beneficiary, then this field will be retrieved from Beneficiaries Database or ACA Consolidated Database and it is not editable.	Single Line	الاسم الاول لعائل الأسرة *
If Egyptian Beneficiary, then this field will be retrieved from Beneficiaries Database or ACA Consolidated Database and it is not editable.	Single Line	باقى اسم عائل الاسرة (اسم ثلاثى على الأقل) *
	Single Line	العنوان الدائم للأسرة *
Options: ▪ نعم ▪ لا	Single Selection	هل لديك عنوان مختلف *
This field is displayed if then answer to the previous question is Yes.	Single Line	العنوان الجديد *
Managed from the Backend	Single Selection	الحى التابع له السكن *

Managed from the Backend	Single Selection	وحدة / مركز الرعاية الأساسية *
No Validation	Single Line	التليفون المحمول *
No Validation	Single Line	تليفون المنزل
No Validation	Single Line	تليفون العمل
No Validation	Single Line	أقرب تليفون
Accepts numbers only	Single Selection	كم عدد افراد الاسره
Accepts numbers only	Single Selection	عدد الوفيات في الاسرة
		بيانات حالة المسكن
Accepts numbers only	Single Selection	عدد الحجرات بالمنزل (الكلية) *
Accepts numbers only	Single Selection	عدد الحجرات بالمنزل (مخصصة للنوم) *
Options: • جيدة • غير جيدة Default selection is "جيدة"	Single Selection	التهوية
Options: • صحي • طرنش Default selection is "صحي"	Single Selection	الصرف الصحى
Options: • عام • أخري Default selection is "عام"	Single Selection	مصدر المياه
This field is displayed in case, "Other" option was selected in the previous question.	Single Line	أخري
Options: • كهرباء • أخري Default selection is "كهرباء"	Single Selection	نوع الاضاءة
This field is displayed in case, "Other" option was selected in the previous question.	Single Line	أخري

Options: ▪ يوجد ▪ لا يوجد Default selection is "يوجد"	Single Selection	وجود حظيرة
Options: ▪ خارج المنزل ▪ داخل المنزل This field is displayed in case the answer to the previous questions is "يوجد"	Single Selection	مكان الحظيرة
Options: ▪ نعم ▪ لا Default selection is "نعم"	Single Selection	حيوانات/طيور اليفة بالمنزل
	Single Line	ملاحظات
البحث الاجتماعى		
Options: ▪ ثابت ▪ متغير Default selection is "ثابت"	Single Selection	دخل الأسره
Accepts Numbers only.	Single Line	متوسط الدخل الشهرى (بالجنيه المصرى) دخل عائل الأسره *
Options: ▪ نعم ▪ لا	Single Selection	وجود أمراض مزمنه
Options: ▪ نعم ▪ لا	Single Selection	وجود حالات إعاقه
Options: ▪ نعم ▪ لا Default selection is "نعم"	Single Selection	الأسره تحصل على معاش تأمينى
Options: ▪ زوجة	Single Selection	العائل فى حاله وفاه الأب

▪ إبن ▪ إبنه ▪ الأب ▪ الأم ▪ أخ ▪ أخت ▪ أخرى		
	Single Line	ملاحظات

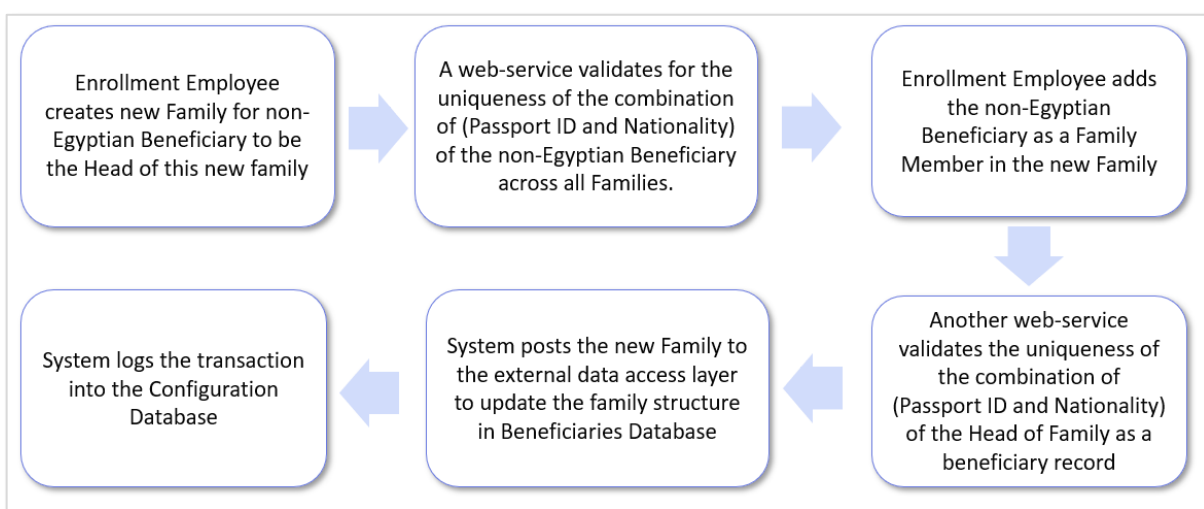**Note: the red asterisk (*) indicates that the field is mandatory**

4.5 ADD NEW FAMILY

4.5.1 OVERVIEW

As stated earlier that Beneficiaries of Nationalities other than "Egypt" doesn't exist neither in the Beneficiaries database nor in ACA consolidated database. If a non-Egyptian Beneficiary is the Head of Family, then a web-service should allow Enrollment Employees to add new Family for this Beneficiary to the Beneficiaries Database.

4.5.2 ADD NEW FAMILY BUSINESS FLOW

Figure 6 Add New Family Business Flow

4.5.3 BUSINESS RULES

Business Rule ID	Description
NwFmly_BR01	Add New Family action is applied only on non-Egyptian Beneficiaries in case the combination of (Passport ID and Nationality) of this Beneficiary doesn't exist in Beneficiaries Database.
	Once the combination of (Passport ID and Nationality) is saved into Beneficiaries Database, the Enrollment Employee can retrieve the Family of the non-Egyptian Beneficiary to make further actions on this family.
NwFmly_BR02	Adding new family for a non-Egyptian Beneficiary automatically assigns this Beneficiary as the Head of the newly created Family and this Head of Family can't be changed further for this family.
NwFmly_BR03	For Egyptian Beneficiaries, the details of the Head of Family which are (First Name, Other Name, National ID, Gender and Date of Birth) are not editable.
NwFmly_BR04	For non-Egyptian Beneficiaries, the details of the Head of Family which are (Passport ID and Nationality) are not editable.

4.5.4   ADD NEW FAMILY FOR NON-EGYPTIAN BENEFICARY

[NwFmly_REQ10] Enrollment Employee shall be able to add a new Family using Family Details Form for a non-Egyptian Beneficiary whose combination of (Passport ID and Nationality) doesn't exist in Beneficiaries Database.

> [NwFmly_REQ10.1] A web-service validates for the uniqueness of the combination of (Passport ID and Nationality) of the non-Egyptian Beneficiary across all Families, if not unique a warning message should be displayed to the Enrollment Employee to remove the Beneficiary first from the family that he/she is currently existing then add him/her to the newly created family.

> [NwFmly_REQ10.2] Another web-service validates the uniqueness of the combination of (Passport ID and Nationality) of the Head of Family as one of the Beneficiaries under this Family.

> [NwFmly_REQ010.3] System should post the new family updates to the external data access layer which in turn will update the family structure in beneficiaries' database.

> [NwFmly_REQ10.4] System should log the transaction done on the family. Logging details are:

> ✓   Employee Username
> ✓   Last Update Date
> ✓   Machine IP

4.6 SPLIT EXISTING FAMILY MEMBER

4.6.1 OVERVIEW

Split Existing Family Member is a special type of Family Members Update. In this scenario the Beneficiary which is already a family member needs to create a new family. The system will create a new family for the beneficiary and he/she will be considered as the family head.

4.6.2 SPLIT EXISTING FAMILY MEMBER BUSINESS FLOW

Figure 7 Split Existing Family Member Business Flow
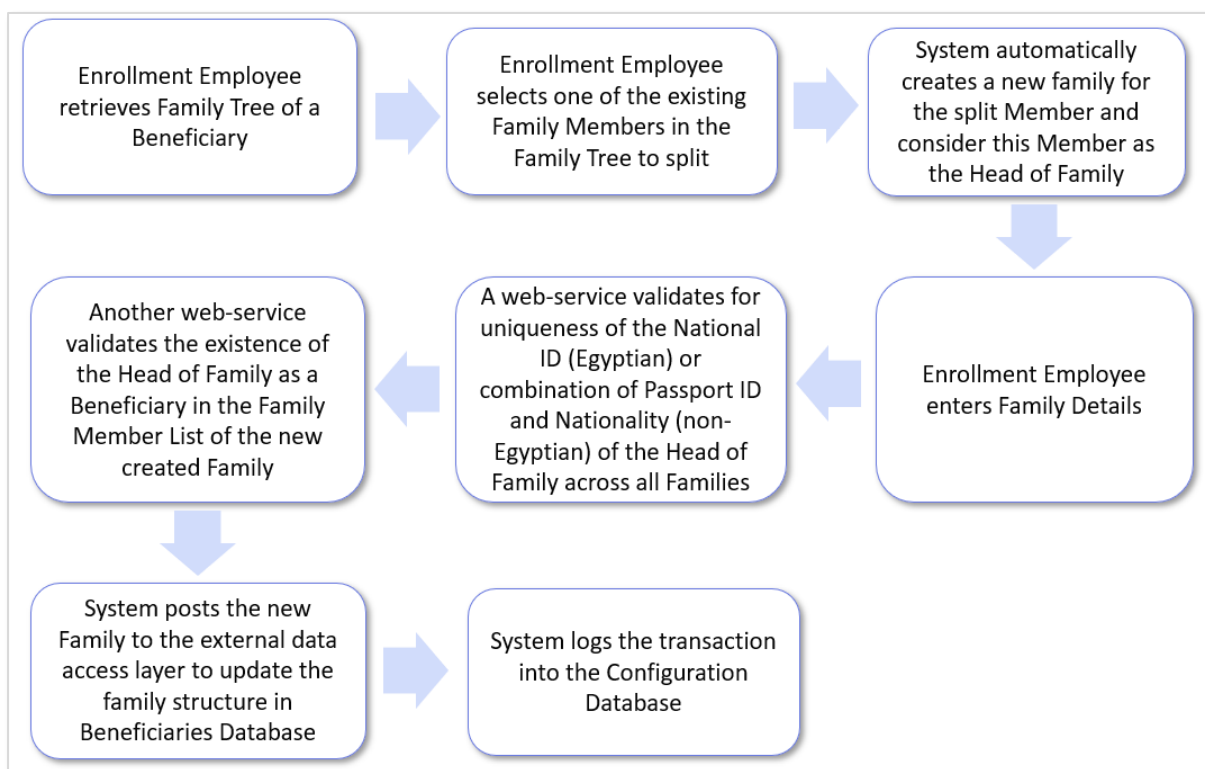
4.6.3 BUSINESS RULES

Business Rule ID	Description
SpltExtngMmbr_BR01	Split action can't be applied on the Head of the retrieved Family.
SpltExtngMmbr_BR02	The split Family Member is automatically assigned as the Head of the newly created Family and can't be changed in the future.
SpltExtngMmbr_BR03	For Egyptian Beneficiaries, the details of the Head of Family which are (First Name, Other Name, National ID, Gender and Date of Birth) are not editable.
SpltExtngMmbr_BR04	For non-Egyptian Beneficiaries, the details of the Head of Family which are (Passport ID and Nationality) are not editable.

4.6.4 REQUIREMENTS

[SpltExtngMmbr_REQ11] Enrollment Employee shall be able to split an existing Family Member and automatically a new family is created for the split Member and the split member is the Head of the new Family.

[SpltExtngMmbr_REQ11.1] The web-service should validate that the split Family member isn't the Head of the Family of the current Family.

[SpltExtngMmbr_REQ11.2] A web-service should validate the uniqueness of the National ID (for Egyptian Beneficiaries) or the combination of Passport ID and Nationality (for non-Egyptian Beneficiaries) of the split member across all Families, if not unique a warning message will be displayed to the Enrollment Employee to remove the Beneficiary first from the family that he/she is currently existing then add him/her to the retrieved family.

[SpltExtngMmbr_REQ11.3] Another web-service should check for the existence of the Head of Family as one of the Beneficiaries in the Family Members List under the new created Family.

[SpltExtngMmbr_REQ11.4] Upon splitting a Family Member from his/her current family, system should display a message to the Enrollment Employee with two options, either to save changes done on the current family before the splitting action or to ignore these changes and proceed with the splitting action.

[SpltExtngMmbr_REQ11.4.1] Selecting to save the changes will save any changes done on the current family before splitting this member.

[SpltExtngMmbr_REQ11.4.2] Selecting to ignore the changes will ignore any changes done on the current family before splitting this member.

[SpltExtngMmbr_REQ11.5] System should post the new family updates to the external data access layer which in turn will update the family structure in beneficiaries' database.

[SpltExtngMmbr_REQ11.6] System should log this transaction to the Configuration Database. Logging details are:

- ✓ Employee Username
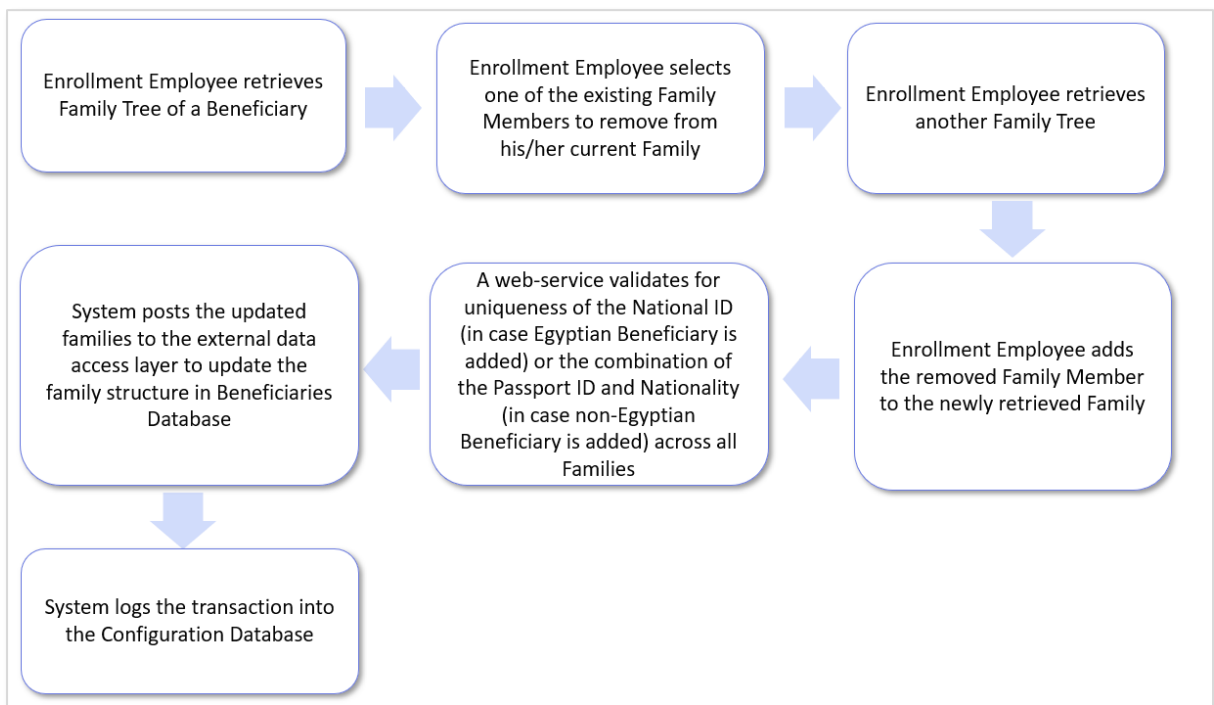- ✓ Last Update Date
- ✓ Machine IP

4.7 MOVE FAMILY MEMBER

4.7.1 OVERVIEW

Move Family Member is a type of Family Members Update. In this scenario the Beneficiary need to be removed from his/her current family and added to another family at Beneficiaries' Database.

4.7.2 MOVE FAMILY BUSINESS FLOW

Figure 8 Move Family Member Business Flow

4.7.3 BUSINESS RULES

Business Rule ID	Description
MvMmbr_BR01	Remove action for the Beneficiaries can't be applied on the Head of the Family.

4.7.4 REQUIREMENTS

[MvMmbr_REQ12] Enrollment Employee shall be able to remove Family Member from his/her current Family and add him/her to another Family. This is done on two separate steps remove and add.

[MvMmbr_REQ12.1] A web-service should validate the Uniqueness of the National ID (for Egyptian Beneficiaries) or the combination of Passport ID and Nationality (for non-Egyptian Beneficiaries) across all Families, if not unique a warning message will be displayed to the Enrollment Employee to remove the Beneficiary first from the family that he/she is currently existing then add him/her to the retrieved family.

[MvMmbr_REQ12.2] The web-service should validate that the moved Family member isn't the Head of the Family.

[MvMmbr_REQ12.3] System should post the new family updates to the external data access layer which in turn will update the family structure in beneficiaries' database.

[MvMmbr_REQ12.4] System should log this transaction to the Configuration Database. Logging details are:

- ✓ Employee Username
- ✓ Last Update Date
- ✓ Machine IP

4.8 ADMINISTRATION

4.8.1   ASSIGN IP RANGE TO EACH PRIMARY CARE UNIT

[EnrllAdmn_REQ2] Enrollment Admin shall be able to assign range of IP addresses to each Primary Care Unit (PCU) using the following form.

4.8.1.1   TEMPLATES AND FORMS

4.8.1.1.1 ASSIGN RANGE OF IP ADDRESSES TO PCU

Field	Type	Comment
Primary Care Unit Details		
Governorate*	Single Selection	Available options for phase two are (Ismailia, Suez, South Sinai, Luxor and Aswan, Port Said)
PCU Name*	Single Selection	List of Primary Care Units added previously by the Admin.
IP Addresses		
IP Address*	Single Line	IP format
Subnet Mask*	Single Line	IP format

Note: the red asterisk (*) indicates that the field is mandatory

5 QUALITY ATTRIBUTES

5.1 SCREEN RESOLUTIONS REQUIREMENTS

System will be available in the following screen resolution: **1360*768**

5.2 BROWSER COMPATIBILITY REQUIREMENTS

The system will have the best **application user** experience with the following browsers:

- Google Chrome (latest) on Windows

The system will have the best **admin user** experience with the following browser:

- Google Chrome (latest) on Windows

5.3 SUPPORTED LANGUAGES

The system will support both English and Arabic languages, but Form fields will be in Arabic only.