



IMMUNIZATION INFORMATION SYSTEM - IIS

Albania 2012

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1. Home page

In order for you to reach IIS visit www.siv.al .



IIS
IMMUNIZATION INFORMATION SYSTEM

Shqip | English

Username

Password

Log In

After login by user name and password you can now start working/searching through the menu.

Welcome!

- NATIONAL VACCINATION CALENDAR IN ALBANIA
- DISEASES THAT CAN BE PREVENTED FROM VACCINATION
 - DIPHTHERIA
 - TETANUS
 - PERTUSSIS
 - POLIO
 - HEPATITIS B
 - TUBERKULOSIS
 - MEASLES
 - RUBELLA
 - MUMPS
 - HiB (hemofilus influenza type B)
- DIFFERENT QUESTIONS ABOUT THE VACCINATION PROCESS
- VACCINES OF YOUR CHILD(REN)

Information given in the main page is open for all. Anyone can see the Albanian national vaccination schedule, or read more information on the vaccine preventable diseases. In this page are also listed questions related to vaccination process with the respective answers.

Parents/caretakers already registered in the system can easily check the vaccination status of their children or print the vaccination card by using their personal ID number as a password.

Vaccines of your child(ren)

Name

National Id

Search

An IIS user (national, district or health center staff) can log in the system by using the given username and password. (Password is given to each user from the upper hierarchical level)

You can register caretaker by giving the necessary information. Data on * fields are obligatory ones.

Attention! You should assignee the correct health center where caretaker should take the child to get vaccines.

In order for you to know what to do in each page, read the information given on the yellow help squares that explains the functionalities and how to work on that page.

2. Health Center level menus

- + Person
- + Immunization
- + Stock Management
- + Reports

Vaccinators in the Health Center level have four main menus. Each of these menus has its own sub-menus which will be described below.

2.1 Person

- Person
 - Register Caretaker
 - List/Find Caretaker
 - Register Child
 - List/Find Child
- + Immunization
- + Stock Management
- + Reports

The “Person” menu serves to register a new person in the system and also list or find a person already registered in IIS. This person can be a parent/caretaker or a child.

The caretaker represents the person responsible for a child and it can be the parent itself or a relative, living in a certain area and linked with the nearest health center. (Caretakers can choose by themselves the respective HC)

Caretakers are key points in the well functioning of the IIS since registered children are linked with them. Caretakers can have more than one child and if they decide to change the place or city they live in, once they move from one HC to another, their children will also automatically move and they will be included in the monthly plan for vaccination at the new HC.

A caretaker can be firstly registered in IIS at the maternity. Nurses there can record the minimum information for a caretaker. Information can be updated from the HC’s nurse in a second moment, when the caretaker visits the HC to vaccinate his child (ren).

Caretaker Data - IIS

NationalId		Birthdate	
H. Center *		Address *	
Firstname *		Mobile	3556
Lastname *		Phone	
Mother		Email	
Father		Notes	
Code			

Add

This Caretaker's Children

Add Child

Fields with “*” are mandatory ones. The ID number (or National Id) is not an obligatory field, but it is important if the caretaker wants to check at any time the vaccination status of his/her child. A mobile number is also important if the caretaker wants to be informed through a text message for the date and time of their child’s next vaccination.

After the caretaker is registered, then we can register his/her child in the system. It is very important to link the child with the proper caretaker and to specify the correct birth date, because when a child is registered, the system generates automatically the preliminary scheduled dates to be followed for vaccination, according to the national vaccination schedule and to the child’s birth date.

Child Data - IIS

NationalId		Caretaker *	Test Dori  *
Firstname	Bebe	Birthdate *	10/04/2012
Lastname *	Delija	Code	
Mother	Doriana	Gender	☐ Male ☒ Female
Father		Notes	
Birthplace	Durres ▼	Status	Active ▼

The action was completed successfully!

[Update](#)

Child **Bebe Delija**
Health Center **Qesaraka**

[Immunization Card](#)

Vaccine	Schedule	Preliminary Dates for Vaccination
BCG	Ne Lindje	10/04/2012
HepB - 0	Ne Lindje	10/04/2012
Pneumo - 1	2 Muaj	10/06/2012
HepB-Hib-DTP - 1	2 Muaj	10/06/2012
OPV - 1	2 Muaj	10/06/2012
HepB-Hib-DTP - 2	4 Muaj	10/08/2012
OPV - 2	4 Muaj	10/08/2012
Pneumo - 2	4 Muaj	10/08/2012
Pneumo - 3	6 Muaj	10/10/2012
HepB-Hib-DTP - 3	6 Muaj	10/10/2012
OPV - 3	6 Muaj	10/10/2012
MMR - 1	1 Vjec	10/04/2013

When a nurse needs to update information on children or caretakers they can find them through the sub menus “list/find child” or “list/find caretaker”.

Person

Register Caretaker
List/Find Caretaker
Register Child
List/Find Child
Immunization
Stock Management
Reports

List Children - IIS

National Id Birthplace

Firstname Lastname

Birthday - From Date To Date

District Health Center

Status

Find

You can search for a child all over Albania, or select a district/health center in case you know that. Try to give as much correct information as possible in order to retrieve a short list of children.

Nurses can search by giving name, surname, birthplace, a birth date range and also specify the HC if it is known.

2.2 Immunization

Person

Immunization

Monthly Plan
Register
Immunization Card
Print Monthly Plan

Stock Management

Reports

Under immunization menu you will find four sub menus which deal with monthly plan, register and immunization card.

➤ The Monthly plan helps nurses by giving them the list of children due for a specific vaccine dose in a given month, in their health center.

The first ones listed will be the children delayed on vaccination already planned for vaccines in the previous months and then will be listed the ones due for vaccines in the current month.

Monthly Plan - IIS

H.Center

April

Print

Child	Caretaker	Vaccine	Vaccine Schedule	Preliminary Date	SMS	Data e Vaksinit	Loti i Vaksines	
Ersid Latifi	Anila Latifi	DTP - R1	2 Vjec	18/08/2010	+			Regjistro
Ersid Latifi	Anila Latifi	OPV - R1	2 Vjec	18/08/2010	+			Regjistro
Ersen Lugji	Senada Lugji	MMR - 1	1 Vjec	30/08/2010	+			Regjistro
Erbion Beqiri	Remzije Beqiri	DTP - R1	2 Vjec	02/12/2010	+			Regjistro
Juled Bajrami	Alketa Bajrami	DTP - R1	2 Vjec	18/04/2011	+			Regjistro
Juled Bajrami	Alketa Bajrami	OPV - R1	2 Vjec	18/04/2011	+			Regjistro
Erda Çaça	Ilir Çaça	MMR - R1	5 Vjec	29/04/2011	+			Regjistro

This monthly plan can be printed by clicking the Print button on the right, or by using the last sub menu “Print Monthly plan”. If the health center has other vaccination points under its level the nurse can see the total amount of vaccine doses needed and also print each health center’s monthly plan and give it together with the vaccines.

The printed monthly plan can be used from patronage nurses to inform children’s caretakers but there is also another way of informing them by using the text messages through the  button in the monthly plan (if the caretaker has already given a mobile number).

Send Reminding SMS - IIS

Cell. Number

* Cellphone number must be in this format: 3556XXXXXXXX.

Message

The message text field is free text, so nurses can write what they need to inform the caretaker about, for example, vaccine doses and/or date and time for the next vaccination.

Odesa Meti	Ermira Meti	MMR - R1	5 Vjec	18/05/2011			----	Regjistro
Sofi Aliaj	Valbona Aliaj	MMR - R1	5 Vjec	22/05/2011			----	Regjistro
Emena Canga	Emirjeta Canga	OPV - 3	6 Muaj	30/05/2011			----	Regjistro

Under the monthly plan table you can find:

- A button on the right side with the “Refused Appointments”, that sends to a page where all the refused vaccines are shown and it gives to nurses the possibility to show a certain vaccine dose in the monthly plan again, if caretaker is convinced to follow his/her immunization.
- A table with the calculated vaccine doses needed to fulfill the vaccinations for the month.

Vaccine Doses Required

Vaccine Code	Quantity
DT	15
DTP	24
HepB-Hib-DTP	15
MMR	32
OPV	54
Pneumo	14

➤ Under the “**Register**” submenu nurses can see and export in excel, their register which shows the dates of immunization for each vaccine dose of all children covered by their health center. This register has the same format and contains the same data with the register that the nurses have in hand, which is called essential register where the vaccine doses for all the children covered by the health center are registered. The register is shown year by year. This functionality can help nurses to check if everything is going well in both directions, in the system and in the essential register.

Person

Immunization

Monthly Plan

Register

Immunization Card

Print Monthly Plan

Stock Management

Reports

Register - IIS

Year

Firstname

Lastname

Find

You can export all of your children vaccinations in excel, in the same way as you have your essential book.

Emri	Mbiemri	Datelindje	BCG (birth)	HepB-0 (birth)	HepB-Hib-DTP-1(2 months)	HepB-Hib-DTP-2(4 months)	HepB-Hib-DTP-3(6 months)	OPV-1(2 months)	OIm
Branden	Fikaj	12/01/2011	13/01/2011	13/01/2011	06/04/2011	22/06/2011	23/02/2012	06/04/2011	22
Uesli	Çeliku	16/01/2011	17/01/2011	16/01/2011	16/03/2011	16/05/2011	16/07/2011	16/03/2011	16
Ines	Tafa	17/01/2011	18/01/2011	18/01/2011	17/03/2011	17/05/2011	26/07/2011	17/03/2011	17
Eno	Myrtaj	17/01/2011	18/01/2011	18/01/2011	17/03/2011	17/05/2011	16/07/2011	17/03/2011	17
Livia	Lika	21/01/2011	22/01/2011	22/01/2011	21/03/2011	21/05/2011	30/07/2011	21/03/2011	21

- The “**Immunization Card**” submenu helps nurses to find and directly print the child immunization card so they do not need to copy and write each vaccination date from the essential register to the immunization card.

Person

Immunization

Monthly Plan

Register

Immunization Card

Print Monthly Plan

Stock Management

Reports

List Child - IIS

National Id Birthplace

Firstname Lastname

Birthday - From Date To Date

Find

Searching by name or surmane you can find child immunization card

LastName	FirstName	H.Center	District	Caretaker	Mother	Father	NationalId	BirthDate	BirthPlace	Gender
Nelaj	Enri	Partizani	Shkoder	Nevila Nelaj	Nevila	Ermir		16/08/2007	Shkodra	M
Nelaj	Joena	Partizani	Shkoder	Denisa Nelaj	Denisa	Genc		10/08/2007	Shkodra	F
Nelaj	Egert	Partizani	Shkoder	Nevila Nelaj	Nevila	Ermir		03/09/2005	Shkodra	M

Nurses should fill at least one field, but of course the more correct information they give the shorter the result list with the children will be, so they can easily find the one that they were looking for. This immunization card can be printed from the nurse and signed by the doctor in the respective baby clinic.

Name: Enri Nelaj
Caretaker: Nevila Nelaj
Birthdate: 16/08/2007
Birthplace: Shkodra
Address: Vojo kushi Rr.R .Tyli
Gender: M

Print

Vaccine	Vaccine Schedule	Lot	Price	Health Center	District	Immunization Date	Notes
BCG	Ne Lindje			Partizani	Shkoder	16/08/2007	
Hep-B-1	Ne Lindje			Partizani	Shkoder	16/08/2007	
Hep-B-2	2 Muaj			Partizani	Shkoder	17/10/2007	
DTP-1	2 Muaj			Partizani	Shkoder	18/10/2007	
OPV - 1	2 Muaj			Partizani	Shkoder	18/10/2007	
OPV - 2	4 Muaj			Partizani	Shkoder	15/12/2007	
DTP-2	4 Muaj			Partizani	Shkoder	15/12/2007	
Hep-B-3	6 Muaj			Partizani	Shkoder	15/02/2008	
DTP-3	6 Muaj			Partizani	Shkoder	16/02/2008	
OPV - 3	6 Muaj			Partizani	Shkoder	16/02/2008	
MMR - 1	1 Vjec			Partizani	Shkoder	30/08/2008	
DTP - R1	2 Vjec			Partizani	Shkoder	15/09/2009	
OPV - R1	2 Vjec			Partizani	Shkoder	15/09/2009	
MMR - R1	5 Vjec						
OPV - R2	6 Vjec						
DT - R2	6 Vjec						
Td - R3	14 Vjec						

➤ In order to register an administered vaccine there are different ways:

1. **Through the “child” page**
2. **Through “monthly plan” page**
3. **Through the “immunization card” page**

In each of these pages the vaccine dose functions as a link which will direct nurses to the vaccine registration page.

Register Vaccination - IIS

Child: Bebe Delija
Birthdate: 10/04/2012
Caretaker: Test Dori
Health Center: Qesaraka
Vaccine: BCG
Vaccine Due Date: 10/04/2012

Vaccine Lot

Date

Notes

Done ☒

Register

Vaccine	Vaccine Dose	Vaccine Lot	Vaccine Date	Done	Reason
BCG	Ne Lindje			No	
HepB - 0	Ne Lindje			No	

Immunization Card

Next Immunization

Vaccination date is prefilled with today's date, but nurses have possibilities to register a vaccine dose administered in a previous date by selecting it from the calendar, with a restriction for dates before birth date and a restriction for a date in the future.

When nurses record an administered vaccine in their Health center they can easily choose the lot number from the ones listed in the vaccine lot dropdown list and this vaccine dose will also be deducted from the vaccine stock available in that health center. In case they do not know the lot number they can use the undefined lot.

There are cases when the nurse will not administer a vaccine so, she should uncheck the "Done" box and choose a reason for not administering that vaccine such as:

- Refusal (in case the parent does not want to vaccinate the child with this vaccine)
- Contraindication (in cases when the child has had an anaphylactic reaction from the first dose, or when it is not recommended by doctor)
- Beyond time (in case children are not anymore due for that vaccine, such as the case of HepB at birth, or BCG in ages more than 1 yrs old)

Done

Reason for not
administering vaccine

Refusal
Permanent Contraindication
Beyond Time

In this case the nurse will not choose a lot number and after choosing the reason for not administering she should click the "register" button.

For further information nurses can fill the "Notes" field which accepts free text.

2.3 Stock management

- + Person
- + Immunization
- **Stock Management**
 - + Requests
 - + Shipments
 - + Stock Balance
 - + Stock Count
- + Reports

Stock management menu has four submenus which deals with the quantity of vaccines requested, shipped, used and wasted.

It allows also to see the stock balance and to report the actual one.

- “Requests” submenu help nurses to do a vaccine and devices request through the IIS by showing them as a reference the number of vaccine doses needed per month and also their actual balance in the fridge.

Make a Request - IIS

From	Partizani	Vaccine Doses Required	Vaccine Qty in stock																																
To	DSHP Shkoder	May ▼																																	
Date *	01/05/2012																																		
Vaccine Needed By		<table border="1"> <thead> <tr> <th>Vaccine</th> <th>Quantity</th> </tr> </thead> <tbody> <tr><td>DT</td><td>20</td></tr> <tr><td>DTP</td><td>32</td></tr> <tr><td>HepB-Hib-DTP</td><td>47</td></tr> <tr><td>MMR</td><td>45</td></tr> <tr><td>OPV</td><td>97</td></tr> <tr><td>Pneumo</td><td>47</td></tr> </tbody> </table>	Vaccine	Quantity	DT	20	DTP	32	HepB-Hib-DTP	47	MMR	45	OPV	97	Pneumo	47	<table border="1"> <thead> <tr> <th>Vaccine</th> <th>Quantity</th> </tr> </thead> <tbody> <tr><td>DT</td><td>29</td></tr> <tr><td>DTP</td><td>12</td></tr> <tr><td>HepB-Hib-DTP</td><td>10</td></tr> <tr><td>MMR</td><td>31</td></tr> <tr><td>OPV</td><td>74</td></tr> <tr><td>Pneumo</td><td>18</td></tr> <tr><td>Td</td><td>60</td></tr> <tr><td>TT</td><td>50</td></tr> </tbody> </table>	Vaccine	Quantity	DT	29	DTP	12	HepB-Hib-DTP	10	MMR	31	OPV	74	Pneumo	18	Td	60	TT	50
Vaccine	Quantity																																		
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Td	60																																		
TT	50																																		
Notes																																			

Please insert needed quantity **in doses**

BCG	0	Age 1	0
DT	0	Kuti Sigurie	0
DTP	0	Shiringa 0.05cc	0
HepB	0	Shiringa 0.1 cc	0
HepB-Hib-DTP	0	Shiringa 0.5cc AD	0
MMR	0	Shiringa 1cc	0
OPV	0	Shiringa 2cc	0
Pneumo	0	Shiringa 5cc	0
Td	0		
TT	0		

Submit

List Incoming Shipments - IIS

SerialNo
 Begin Date
 End Date

Find

SerialNo	Date	Sender	Receiver	View Shipment Items
181	16/04/2012	DSHP Shkoder	Partizani	+
173	04/04/2012	DSHP Shkoder	Partizani	+
147	26/03/2012	DSHP Shkoder	Partizani	+
140	20/03/2012	DSHP Shkoder	Partizani	+
122	08/03/2012	DSHP Shkoder	Partizani	+
79	23/02/2012	DSHP Shkoder	Partizani	+
26	07/02/2012	DSHP Shkoder	Partizani	+

Export Print

Vaccine Code	Vaccine Lot Code	Vvm	Quantity
DTP	027P1001A	1	10
HepB-Hib-DTP	1452092	1	25
Pneumo	ASPNA108BA	1	25
OPV	AOPVB844AA	1	40
MMR	AMJRC124AA	1	16
MMR-D	AD06B092AA	1	16
DT	021L0002A	1	10
Td	024B1004C	1	10

Device Name	Device Lot Code	Quantity
Shiringa 0.5cc AD	1012407	100
Shiringa 2cc	9L02048	16
Kuti Sigurie	PQSE10/04	1

Nurses can see also that the quantities that they received in specific dates were:

From stock balance submenu, nurses can see their stock by vaccines, as a total, or by lot.

Current Stock Balance - IIS

- Person
- Immunization
- Stock Management
 - Requests
 - Shipments
 - Stock Balance
 - Current Stock Balance
 - Current Stock By lot
 - Stock Count
- Reports

In this page you will find the information for the total quantity of a vaccine/device in your health center. By clicking in the vaccine/device name you will be sent to the page with information about all the lots of this vaccine that have been shipped to your health center.

Vaccine Quantity in Stock

Vaccine	Actual Quantity (doses)	Min Stock Level	Max Stock Level
BCG	0	0	0
DT	29	0	0
DTP	12	0	0
HepB	0	0	0
HepB-Hib-DTP	10	0	0
MMR	31	0	0
OPV	74	0	0
Pneumo	18	0	0
Td	60	0	0
TT	50	0	0

Device Quantity in Stock

Device	Actual Quantity	Min Stock Level	Max Stock Level
Age 1	0	0	0
Kuti Sigurie	3	0	0
Shiringa 0.05cc	0	0	0
Shiringa 0.1 cc	0	0	0
Shiringa 0.5cc AD	360	0	0

When they check the vaccine quantities by lot they have also possibility to update the quantities according to the vaccine inventory that they perform at the end of the month.

Current Stock by lot - IIS

Health Center : Partizani

Vaccine	Lot	VVM	Arrival Date	Expire Date	Received Qty	Used Vaccines	Correction Qty	Wastage Qty	Current Stock	Quantity
HepB-Hib-DTP	1452026	1	07/02/2012	16/02/2014	36	35	0	0	1	
HepB-Hib-DTP	1452092	1	16/04/2012	20/08/2014	25	16	0	0	9	
DTP	027P1001A	1	16/04/2012	01/12/2012	40	28	0	0	12	
OPV	AOPVB844AA	1	16/04/2012	01/08/2012	200	126	0	0	74	
MMR	AMJRC091AA	1	08/03/2012	31/01/2013	81	56	0	0	25	
MMR	AMJRC124AA	1	16/04/2012	31/05/2013	16	10	0	0	6	

In order to follow a lot tracing they can click on the number of vaccine used and in this way they track who were the children that received the specific lot.

Immunized Children - IIS

The number of children vaccinated with this lot from this h.center is : 16

1 2										
LastName	FirstName	H. Center	District	Caretaker	Mother	Father	BirthDate	NationalId	BirthPlace	Gender
Sallagaj	Sadina	Partizani	Shkoder	Laura Sallagaj	Laura	Hamit	10/10/2011		Shkodra	F
Hardalli	Amelja	Partizani	Shkoder	Elsa Hardalli	Elza	Mark	17/09/2011		Shkodra	F
Dedja	Reart	Partizani	Shkoder	Selma Dedja	Selma	Dritan	28/10/2011		Shkodra	M
Ivziku	Joel	Partizani	Shkoder	Elida Ivziku	Elida	Zamir	22/12/2011		Shkodra	M

In case they need to report unopened vial wastage they can use the submenu "stock count" and report the quantities from the "report wasted vials"

Stock Count

Report Wasted Items

Report Current Stock

Report Item Loss - IIS

Type	Vaccine
Vaccine	BCG
Lot	-----
Quantity(in doses) *	
Reason	Demtuar
Notes	

Add

2.4 Reports

- + Person
- + Immunization
- + Stock Management
- Reports
 - + Coverage Reports
 - FindDuplicates

Reports menu contains reports on vaccination coverage and cohort reports and a functionality that helps nurses to find duplicates in the system.

- “Coverage reports” submenu has some other submenus which deal with vaccine coverage reports, fully immunized children analysis, birth cohort for each center, etc.

- Coverage Reports
 - Cohort Vaccination Status
 - Vaccine Coverage Report
 - Vaccination Activity Report
 - Birth Cohort
 - Fully Immunized Child

“Cohort vaccination status” deals with the vaccination coverage for children, born and actually living in the area.

Cohort Vaccination Status - IIS

Birthdate -From Date To Date

Vaccine 

Partizani

View Not Vaccinated Children	Vaccine	Birth Cohort	Current Cohort	Immunized	Coverage Status	Nr. Refusals	Nr. Contraindicated
	BCG	132	127	124	97.64 %	0	0
	HepB - 0	132	127	123	96.85 %	0	0
	HepB-Hib-DTP - 1	132	127	125	98.43 %	1	1
	HepB-Hib-DTP - 2	132	127	124	97.64 %	1	1
	HepB-Hib-DTP - 3	132	127	123	96.85 %	1	1
	OPV - 1	132	127	125	98.43 %	1	1
	OPV - 2	132	127	124	97.64 %	1	1
	OPV - 3	132	127	123	96.85 %	1	1
	MMR - 1	132	127	121	95.28 %	2	1

“Vaccine coverage report” is actually what nurse report usually every three months.

Vaccine Coverage Report - IIS

In Plan From Date To Date

Immunized Till Date Vaccine 

Find

Partizani

View Not Vaccinated Children	Vaccine	In Plan	Immunized	Coverage Status	Nr. Refusals	Nr. Contraindicated
	BCG	34	34	100.00 %	0	0
	HepB - 0	34	34	100.00 %	0	0
	HepB-Hib-DTP - 1	38	36	94.74 %	0	0
	HepB-Hib-DTP - 2	32	27	84.38 %	2	0
	HepB-Hib-DTP - 3	37	34	91.89 %	0	0
	OPV - 1	38	36	94.74 %	0	0
	OPV - 2	32	27	84.38 %	2	0
	OPV - 3	37	34	91.89 %	0	0
	MMR - 1	31	28	90.32 %	1	0
	DTP - R1	31	20	64.52 %	1	0
	OPV - R1	31	20	64.52 %	1	0
	MMR - R1	25	13	52.00 %	0	0
	DT - R2	23	14	60.87 %	0	0

List Not Immunized Children - IIS

Health Center  **Find**

Vaccine: HepB-Hib-DTP - 3

LastName	FirstName	Health Center	District	Caretaker	BirthDate	BirthPlace	Gender	Reason
Ramja	Ismail	Partizani	Shkoder	Armela Ramja	17/01/2010	Shkodra	M	-----
Vasa	Ilda	Partizani	Shkoder	Agustin Vasa	25/01/2011	Shkodra	F	-----
Lapi	Unejsa	Partizani	Shkoder	Mimoza Lapi	16/09/2011	Shkodra	F	-----

Using the “plus” symbol, nurses can find the list of unvaccinated children in order to help them follow up with their vaccination.

“Vaccination activity report” serves as a summary of work for nurses. They reported this form to the doctors in the health center and right now the system help nurses by giving it already summarized, and it can be exported to excel also.

Vaccination Activity Report - IIS

Year

2012

Go

Partizani

Vaccine	January	February	March	April	May	June	July	August	September	October	November	December	Total	In Plan (total)	From other H.C
BCG	0	6	8	3	0	0	0	0	0	0	0	0	17	37	0
HepB - 0	0	6	8	3	0	0	0	0	0	0	0	0	17	37	0
HepB-Hib-DTP - 1	9	6	13	6	0	0	0	0	0	0	0	0	34	46	0
HepB-Hib-DTP - 2	8	7	8	9	0	0	0	0	0	0	0	0	32	43	0
HepB-Hib-DTP - 3	9	8	12	8	0	0	0	0	0	0	0	0	37	47	0
OPV - 1	9	10	13	6	0	0	0	0	0	0	0	0	38	46	0
OPV - 2	8	8	8	6	0	0	0	0	0	0	0	0	30	44	0
OPV - 3	9	13	12	7	0	0	0	0	0	0	0	0	41	47	0
MMR - 1	7	13	9	6	0	0	0	0	0	0	0	0	35	39	0
DTP - R1	7	3	7	11	0	0	0	0	0	0	0	0	28	38	0
OPV - R1	7	6	14	11	0	0	0	0	0	0	0	0	38	38	0
MMR - R1	6	6	10	9	0	0	0	0	0	0	0	0	31	35	0
DT - R2	2	3	15	11	0	0	0	0	0	0	0	0	31	31	0
OPV - R2	2	3	15	11	0	0	0	0	0	0	0	0	31	31	0
Td - R3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumo - 1	9	7	13	6	0	0	0	0	0	0	0	0	35	46	0
Pneumo - 2	8	7	8	6	0	0	0	0	0	0	0	0	29	40	0
Pneumo - 3	9	9	11	6	0	0	0	0	0	0	0	0	35	44	0

“Birth cohort” submenu gives the number of children born and actually living in the area. It can be search per month by year, or as a total per each year.

Birth Cohort - IIS

Get birth cohort for this year

2011

Find

January	February	March	April	May	June	July	August	September	October	November	December	Total	Dead
11	13	7	8	7	14	11	10	12	4	13	11	121	1

Excel

Get birth cohort

From

2005

To

2012

Find

Health Center	2005	2006	2007	2008	2009	2010	2011	2012	Total
Partizani	105	107	139	121	115	127	121	37	872

“Fully immunized child” gives the information on vaccination given to children on their first year of life. Also an analysis of Drop out rates can be evaluated within this functionality.

Fully Immunized Child - IIS

Birthdate - From Date To Date

Find

Health Center	Birth Cohort	BCG	HepB-Hib-DTP -1	HepB-Hib-DTP -3	OPV -3	MMR -1	FIC	Drop out Rate 1 (Penta1 - MMR) %	Drop out Rate 2 (Penta1 - Penta3) %	Moved	Dead
Partizani	127	127	126	124	124	123	122	2.38	1.59	4	1

- “Find duplicates” help nurse to find if they registered twice a child. In the example below we see a list of children which are twins, but if we check also the name we will not see any more duplicates for this health center.

Find Duplicates - IIS

☒ Lastname ☐ Firstname
☒ Birthdate ☐ Caretaker

Find

LastName	FirstName	Health Center	Caretaker	Mother	Father	BirthDate	NationalId	Gender
Alfredaj	Rei	Partizani	Ajlina Alfredaj	Ajlina	Alfred	12/07/2011		M
Alfredaj	Rea	Partizani	Ajlina Alfredaj	Ajlina	Alfred	12/07/2011		F
Bicakani	Ergen	Partizani	Laureta Bicakani	Laureta	Eugjen	24/12/2007		M
Bicakani	Enes	Partizani	Laureta Bicakani	Laureta	Eugjen	24/12/2007		M
Cufi	Klejvin	Partizani	Luan Cufi		Luan	29/09/2006		M
Cufi	Klejton	Partizani	Luan Cufi		Luan	29/09/2006		M

3. District level menus

- + IT Management
- + Person
- + Immunization
- + Stock Management
- + Reports

The District level has five menus in the system. Four of them (person, immunization, stock management and reports) are the same as the health center level. The only difference in these menus is that upper level, in this case the district, can see all belonging health centers.

The added menu is “IT Management” which will be described below.

3.1 IT Management

- IT Management
 - + User Management
 - + Health Facility Management

This menu serves as a tool to manage users and health facilities belonging to the district.

- The “User Management” submenu helps to register, modify, delete and list the users in the system.

Add User - IIS

IT Management

User Management

Add User

List / Find User

Register Roles of User

Health Facility Management

Person

Immunization

Stock Management

Reports

Username *

Dshp shkoder

Password *

* Password length must be greater than 5 and must contain at least an uppercase, a lowercase and a numeric character.

Health Center *

DSHP Shkoder

Name

Code

Mobile

Email

isActive

☒

Notes

Add

In this page you can add a user in the system and link this user with the working level.

Add User Role - IIS

Choose User

Ana e Malit

Choose Role

Administrator

IT Officer

Guest

DPH Officer

IPH Stock Manager

Village HP Officer

DPH Head Vaccinator

IPH Officer

Health Post Officer

>>

>

<

<<

From this submenu it is also possible to assign a role, according to the hierarchy level, to each user in the system. If we do not assign a role for the user, even though he is registered the user can not use the system.

From submenu list/find users we can find, modify or delete the user information, and also change the password if it is needed.

Add User - IIS

IT Management
User Management
Add User
List / Find User
Register Roles of User
Health Facility Management
Person
Immunization
Stock Management
Reports

Username *
Health Center *
Name
Code
Mobile
Email
isActive
Notes

Barbullush
Barbullush
Nazif Osmani
Code
00355672029333
nosmani@yahoo.com
☒

Update
Delete

Username	Health Center	Name	Code	Mobile	Email	Active	Password	ModifiedOn
Barbullush	Barbullush					☒	Change	21/08/2010

- The “Health Facility management” menu serves to register, modify or delete health centers belonging to the district.

Register Health Centers - IIS

IT Management
User Management
Health Facility Management
Register Facility
List/Find Facility
View Health Centers
Person
Immunization
Stock Management
Reports

Name
Code
Type
Parent
Notes

Ambulance

Add

By listing the Health centers, the user can find and modify them.

List Administration - IIS

IT Management
User Management
Health Facility Management
Register Facility
List/Find Facility
View Health Centers
Person
Immunization
Stock Management
Reports

Name
Code
Find

1 2 3 4 5 6 7 8 9 10 ... E Fundit						
Name	Parent	District	Code	Type	Modified On	Modified By
DSHP Shkoder	ISHP		DSHPSH	DSHP	21/08/2010	Administrator
3 Herojt	DSHP Shkoder	Shkoder	3H	QSH	21/08/2010	Administrator
Ahmet Haxhija	DSHP Shkoder	Shkoder	A.Ha	QSH	09/06/2011	ada
Ana e Malit	DSHP Shkoder	Shkoder	AnMa	QSH	21/08/2010	Administrator
Berdice	DSHP Shkoder	Shkoder	Berdice	QSH	21/08/2010	DSHP Shkoder
Bushat	DSHP Shkoder	Shkoder	Bu	QSH	21/08/2010	Administrator
Dajc	DSHP Shkoder	Shkoder	D	QSH	21/08/2010	Administrator
Guerile	DSHP Shkoder	Shkoder	Gu	QSH	21/08/2010	Administrator

Here you can search for a facility. A list of facility will be shown based on your search.

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4. National level menus

- + IT Management
- + IPH Administration
- + Person
- + Immunization
- + Stock Management
- + Reports

National level has six menus. This level has one more menu then the district level and two more menus then the vaccinator's level.

According to the hierarchy of construction national level can see all the levels below it.

4.1 IT Management

- IT Management
 - + Roles Management
 - + User Management
 - + Health Facility Management
 - Help Configuration

IT management menu in this level has some added submenus comparing to the one that district level has.

Submenus such as "User management" and "Health Facility management" are already explained in the district level menus.

- Roles management helps the national staff to give specific rights in accessing the system to each role, such as in the table below:

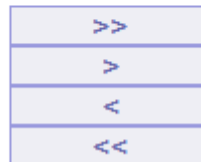
Relate Menu to Role - IIS

Choose Role

Health Post Officer

Choose Menu

Roles Management
Add Role
List / Find Roles
Add Menu Role
User Management
Add User
List / Find User
Register Roles of User
Health Facility Management
Register Facility
Register Facility Type
IPH Administration
Vaccine Management
Register Vaccine
Register Vaccine Lot
Register Loss Type
Device Management



Stock Management
Requests
Outgoing Requests
List Outgoing Requests
Stock Balance
Report Current Stock
Report Item Wastage
List Reported Wastage
Person
Register Caretaker
List/Find Caretaker
Register Child
List/Find Child
Immunization
Monthly Plan
Immunization Card
Current Stock By lot

Add Role - IIS

Name * DPH Head Vaccinator

Notes Stock Mng Officer

Update

Delete

Name	ModifiedOn
DPH Head Vaccinator	10/11/2010

In this way is easy to configure the rights of each role to access the information in the system and then these roles are given to the registered users. Here it is also possible to add and modify roles in the system.

- The “Help configuration” menu is also managed by the national level. In order to help each user this level can clarify or give more explanation related to the functionalities in each page. So this level can add notes and format the writing. These notes can be added once for each page in both languages (Albanian and English) and also they are available to be updated all the time.

Helpful Tips Configuration - IIS

Normal Font 3 Color

B *I* U abc x^2 x_2

You can get the information on children **born and actual living** for levels below you given by months/year or as total/year.

Birth Cohort

English

Update

4.2 IPH administration

IPH Administration

Vaccine Management

Register Vaccine

List/Find Vaccine

Register Vaccine Lot

List/Find Vaccine Lot

Register Loss Type

+ Device Management

+ Vaccine Schedule

IPH administration menu helps national level to record each vaccine/device received in this level, which will be distributed then in all subordinate levels.

All the information related to vaccine lot, price, expiry date, etc. is given from these menus, so nurses do not need to enter such information but they find it already in the system.

Add Vaccine Lot - IIS

Vaccine	BCG
Vaccine Lot Code	
Vaccine Producer	
Vaccine Quantity(in doses)	
Vaccine Price (per Dose)	
Vaccine Entry Date	
Vaccine Expire Date	
VVM	1
Doses per Vial	
Notes	
	☐ Has Diluent
Diluent Lot Code	
Diluent Producer	
Diluent Quantity(in doses)	
Diluent Price	
Diluent Entry Date	
Diluent Expire Date	
Doses per Diluent	
Diluent Notes	

Add

List Vaccine Lot - IIS

Code

Vaccine

Producer

Code	Initial Quantity	ArrivalDate	ExpireDate	Producer	Price	Vvm	Has Diluent?
037G0055	19140	02/12/2010	01/06/2012	Serume Institute India	114	1	☒
037G0164	18200	19/07/2011	01/01/2013	Serume Institute India	112	1	☒
037G1003	28800	19/07/2011	01/01/2013	Serume Institute India	112	1	☒
037G1066	47000	05/11/2011	01/07/2013	S.I. India	0.7	1	☒

- “Vaccination schedule” menu helps the national level to set the current vaccination schedule, to change or update it by its own.

Vaccination Schedule for each vaccine - IIS

Vaccine

Name *

Basal ☐

Dose *

Period *

In:

Notes

Name	Vaccine	Basal	Dose	Period
BCG	BCG	☒	1	Ne Lindje
HepB - 0	HepB	☒	0	Ne Lindje
HepB-Hib-DTP - 1	HepB-Hib-DTP	☒	1	2 Muaj
HepB-Hib-DTP - 2	HepB-Hib-DTP	☒	2	4 Muaj
HepB-Hib-DTP - 3	HepB-Hib-DTP	☒	3	6 Muaj
OPV - 1	OPV	☒	1	2 Muaj
OPV - 2	OPV	☒	2	4 Muaj
OPV - 3	OPV	☒	3	6 Muaj
MMR - 1	MMR	☒	1	1 Vjec
DTP - R1	DTP	☐	1	2 Vjec

There is also a rule that we follow that second dose will be shown in the nurse's monthly plan two months after the first dose (so if the first one is late the second also will appear late) and also the second dose will not be shown if the first dose is not done yet.