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Vaccination data collection from health facilities: Albania

Albania DHS 2008-09

- Conducted by
 - National Institute of Statistics (INSTAT)
 - Institute of Public Health (IShP)
 - Part of the Ministry of Health
- Fieldwork teams visited each enumeration area
- Point of contact in EA was the health center workers

Health care system in Albania

- Mixture of public and private
 - Primary care centers – baby clinics, health posts (fixed post sites and outreach activities)
 - Outreach activities – community participation
 - Private sector – primary and secondary care
- Private sector
 - Mostly private doctors in urban areas
 - Same national standards and vaccination schedule apply
 - Same registration requirements
 - Required to provide information to public health system when needed
- Urban areas - typically 1 (or 2) public health posts, possibly 1 (or 2) private doctors
- Rural areas - typically only one health post

Data collection

- Home-based records:
 - Child health booklet (newer)
 - Vaccination card (older)
- Mother's recall

- Health facility records

Form for recording vaccination data from health facility

CHILD IMMUNIZATION RECORD FROM HEALTH CENTRE

PSU NUMBER <input type="text"/>		HOUSEHOLD NUMBER <input type="text"/>		MOTHER'S NAME AND LINE NO. <input type="text"/>	
501	ENTER IN THE TABLE THE LINE NUMBER, NAME, AND SURVIVAL STATUS OF EACH BIRTH IN 2003 OR LATER. COMPLETE THE TOP HALF OF THIS FORM FOR ALL OF THESE BIRTHS. BEGIN WITH THE LAST BIRTH. (IF THERE ARE MORE THAN 3 BIRTHS, USE ADDITIONAL FORMS).				
502	LINE NUMBER FROM 212	LAST BIRTH LINE NUMBER <input type="text"/>	NEXT-TO-LAST BIRTH LINE NUMBER <input type="text"/>	SECOND-FROM-LAST BIRTH LINE NUMBER <input type="text"/>	
503	FIRST NAME FATHER'S NAME LAST NAME FROM 212 AND 216	FIRST FATHER'S LAST LIVING <input type="checkbox"/> DEAD <input type="checkbox"/> ↓ (GO TO 503 IN NEXT COLUMN OR, IF NO MORE BIRTHS, END FORM)	FIRST FATHER'S LAST LIVING <input type="checkbox"/> DEAD <input type="checkbox"/> ↓ (GO TO 503 IN NEXT COLUMN OR, IF NO MORE BIRTHS, END FORM)	FIRST FATHER'S LAST LIVING <input type="checkbox"/> DEAD <input type="checkbox"/> ↓ (GO TO 502 IN FIRST COLUMN OF NEW FORM, OR IF NO MORE BIRTHS, END FORM)	
503A	RECORD MONTH AND YEAR OF BIRTH FROM 215 AND ASK DAY OF BIRTH	DAY MONTH YEAR <input type="text"/>	DAY MONTH YEAR <input type="text"/>	DAY MONTH YEAR <input type="text"/>	
503B	RECORD NAME OF HEALTH CENTRE AT WHICH VACCINATION RECORD IS KEPT	HEALTH CENTRE <input type="text"/>	HEALTH CENTRE <input type="text"/>	HEALTH CENTRE <input type="text"/>	

HEALTH CENTRE VISIT

REQUEST TO SEE THE VACCINATION RECORD OF EACH OF THE CHILDREN LISTED ABOVE. USE THE FULL NAME AND DATE OF BIRTH TO FIND THE CHILD IN THE VACCINATION RECORD. IF THE VACCINATION RECORD IS FOUND FOR THE CHILD, RECORD THE DATE OF BIRTH AND DATE OF EACH VACCINATION BELOW.

504	VACCINATION RECORD FOR (NAME) EXISTS AT THE HEALTH CENTRE?	YES, VACCINATION RECORD SEEN 1 NO, VACCINATION RECORD NOT SEEN . . 2 (NEXT COLUMN) ←┘	YES, VACCINATION RECORD SEEN 1 NO, VACCINATION RECORD NOT SEEN . . 2 (NEXT COLUMN) ←┘	YES, VACCINATION RECORD SEEN 1 NO, VACCINATION RECORD NOT SEEN . . 2 (NEXT COLUMN) ←┘
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504A	RECORD DATE OF BIRTH AS WRITTEN ON VACCINATION RECORD	DAY MONTH YEAR <table border="1" style="width:100%; height:30px;"> <tr> <td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td> </tr> </table>									DAY MONTH YEAR <table border="1" style="width:100%; height:30px;"> <tr> <td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td> </tr> </table>									DAY MONTH YEAR <table border="1" style="width:100%; height:30px;"> <tr> <td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td><td style="width:20px;"></td> </tr> </table>								

506 (1) COPY VACCINATION DATE FOR EACH VACCINE FROM THE VACCINATION CARD OR CHILD HEALTH BOOK
 (2) WRITE '44' IN 'DAY' COLUMN IF CARD SHOWS THAT A VACCINATION WAS GIVEN, BUT NO DATE IS RECORDED.

	DAY	MONTH	YEAR		DAY	MONTH	YEAR		DAY	MONTH	YEAR			
POLIO 1					P1					P1				
POLIO 2					P2					P2				
POLIO 3					P3					P3				
DTP 1					D1					D1				
DTP 2					D2					D2				
DTP 3					D3					D3				
MEASLES (MMR/MR)					MMR					MMR				
BCG					BCG					BCG				
HEP.B 1					H1					H1				
HEP.B 2					H2					H2				
HEP.B 3					H3					H3				

Health facility records

- Organized in paper registers by
 - Date of birth
 - First, father's and last name
 - Register has one column for each type of vaccine
 - recording vaccination date
- Data collection
 - Team supervisor collected forms for each child from interviewers after household interview
 - With help of health center worker, found each eligible child in the register
 - Recorded dates of vaccination for each eligible child

REGJISTRER THEMELTAR PËR VAKSINIMET E KRYERA

- Names DoB Polio DTP BCG Hib HepB



№	Emri i Personit	Data e lindjes	Motëria	Adresa	Qyteti	Polio	DTP	BCG	Hib	HepB
1	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
2	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
3	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
4	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
5	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
6	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
7	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
8	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
9	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
10	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
11	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
12	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
13	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
14	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
15	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
16	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
17	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
18	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
19	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
20	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
21	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
22	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
23	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
24	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
25	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
26	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
27	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
28	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
29	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
30	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
31	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
32	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
33	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
34	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
35	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
36	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
37	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
38	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
39	[Redacted]	[Redacted]		[Redacted]	[Redacted]					
40	[Redacted]	[Redacted]		[Redacted]	[Redacted]					

REGISTER THEMELAS 19

No. Urut	Materi Pokok Bahasan			Materi Tambahan	Kategori dan Jumlah				
	A	B	C		1	2	3	4	5
01	1.1	1.1.1	1.1.1.1	1.1.1.1.1					
02	1.1	1.1.1	1.1.1.2	1.1.1.2.1					
03	1.1	1.1.1	1.1.1.3	1.1.1.3.1					
04	1.1	1.1.1	1.1.1.4	1.1.1.4.1					
05	1.1	1.1.1	1.1.1.5	1.1.1.5.1					
06	1.1	1.1.1	1.1.1.6	1.1.1.6.1					
07	1.1	1.1.1	1.1.1.7	1.1.1.7.1					
08	1.1	1.1.1	1.1.1.8	1.1.1.8.1					
09	1.1	1.1.1	1.1.1.9	1.1.1.9.1					
10	1.1	1.1.1	1.1.1.10	1.1.1.10.1					
11	1.1	1.1.1	1.1.1.11	1.1.1.11.1					
12	1.1	1.1.1	1.1.1.12	1.1.1.12.1					
13	1.1	1.1.1	1.1.1.13	1.1.1.13.1					
14	1.1	1.1.1	1.1.1.14	1.1.1.14.1					
15	1.1	1.1.1	1.1.1.15	1.1.1.15.1					
16	1.1	1.1.1	1.1.1.16	1.1.1.16.1					
17	1.1	1.1.1	1.1.1.17	1.1.1.17.1					
18	1.1	1.1.1	1.1.1.18	1.1.1.18.1					
19	1.1	1.1.1	1.1.1.19	1.1.1.19.1					
20	1.1	1.1.1	1.1.1.20	1.1.1.20.1					

Results

Home based record:	No health facility record	Health facility record found	Total children under 5
Never had a card or booklet	6	113 (95%)	119
Vaccination card seen	12	815 (99%)	827
Child health booklet seen	0	206 (100%)	206
Either exists but not seen	23	250 (92%)	273
No longer has card or booklet	20	141 (88%)	161
Total children under 5	61	1525 (96%)	1586

Results

- Based on the union of
 - Health facility record
 - Vaccination card or child health booklet
 - Mother's recall
- If vaccination was recorded in any of these ways it was accepted
- When dates conflicted, priority was given to the health facility record

Results – DPT3 (children 12-23 months)

Interview:	Not recorded in health facility register*	Recorded in health facility register	Total children under 5
Not given	2	30	32
Vaccination date recorded on card	3	174	177
Vaccination marked on card (no date)	0	3	3
Reported by mother	6	46	52
Mother did not know	0	1	1
Total	10	254	265

* No vaccination record found in health facility, except 1 with no DPT3 on record

Key elements

- Ministry of Health involved in the survey
- Health center workers were point of contact in EA for interviewing teams
- Vaccination records in easily accessible register
- MoH required staff to give access to vaccination register
- Information ordered logically by date of birth (DoB)
- Identifying information needed was DoB, first, father's and last name.
- All vaccination data recorded in a single line in the register