



Agencija za kvalitet i  
akreditaciju u zdravstvu  
FBiH

Agency for Healthcare Quality  
and Accreditation FB&H

# Bosnia and Herzegovina *country presentation*

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# Presentation overview

- Maternal and neonatal healthcare in Federation of Bosnia and Herzegovina;
- Main achievements in assuring quality of maternal and neonatal healthcare;
- Main challenges and lessons learned;
- Existing quality assurance mechanisms and their effectiveness;
- Expected ways forward.



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# Bosnia and Herzegovina



- Area
  - Total 51,197 km<sup>2</sup>
- Population
  - 2014 census 3,871,643
- GDP (PPP)
  - 2014 estimate
    - Per capita \$ 4,655 (World Bank)



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# Federation of Bosnia and Herzegovina



## ● Area

- Total 26,110 km<sup>2</sup>

## ● Population

- 2014 census 2,371,603

No.	Canton	Center	No.	Canton	Center
 1	Una-Sana	Bihać	 6	Central Bosnia	Travnik
 2	Posavina	Orašje	 7	Herzegovina-Neretva	Mostar
 3	Tuzla	Tuzla	 8	West Herzegovina	Široki Brijeg
 4	Zenica-Doboj	Zenica	 9	Sarajevo	Sarajevo
 5	Bosnian Podrinje	Goražde	 10	Canton 10	Livno



# Overall context of maternal and neonatal healthcare in FBiH (1)

- **18 maternal wards;**

*Health personnel with university degree by specialization*

- **210 gynecologists;**

- **245 pediatricians.**

*Nurses*

- **847 obstetric nurses;**

- **436 pediatric nurses.**



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# Overall context of maternal and neonatal healthcare in FBiH (2)

## Leading causes of death under 5 years in FBiH 2012

Vodeći uzroci smrti kod djece starosti 0-5 godina u FBiH u 2012.godini  
*Leading causes of death under 5 years in FB&H 2012*

Tabela 6

Rang	Šifra <i>Cod</i>	Dijagnoze po 10.MKB <i>Diagnosis by ICD 10</i>	Ukupno <i>Total</i>
1	P22	RESPIRATORNI DISTRES NOVOROĐENČETA	30
2	P21	ASFIKSIIJA NOVOROĐENČETA	14
3	P07	POREMEĆAJI VEZANI ZA KRAČU TRUDNOĆU I MALU TJELESNU TEŽINU NOVOROĐENČETA KOJI NISU DRUGDJE KLASIFICIRANI	11
4	I27	DRUGA PLUĆNA OBOLJENJA SRCA	7
5	Q20	KONGENITALNE MALFORMACIJE SRČANIH ŠUPLJINA I SPOJNICA	6
6	Q24	DRUGE KONGENITALNE MALFORMACIJE SRCA	6
7	999	NEPOZNATO	5
8	R99	DRUGI BOLEŠĆU-ODREĐENI I NEOZNAČENI UZROCI MORTALITETA	5
9	I42	KARDIOMIOPATIJA	4
10	P20	INTRAUTERINA HIPOKSIJA	4
11	S06	INTRAKRANIJALNE POVREDE	4
12	A39	MENINGOKOKNE INFEKCIJE	3
13	P02	FETUS I NOVOROĐENČE UGROŽENI KOMPLIKACIJAMA PLACENTE, PUPČANE VRPCE I MEMBRANA	3
14	P36	BAKTERIJSKA SEPSA NOVOROĐENČADI	3
15	P52	INTRAKRANIJALNO NETRAUMATSKO KRVARENJE FETUSA I NOVOROĐENČADI	3
16	Q21	KONGENITALNE MALFORMACIJE SRČANOG SEPTUMA	3
17	I46	SRČANI ZASTOJ	2
18	I50	INSUFICIJENCIJA SRCA	2
19	P05	USPORENI RAST FETUSA I MALNUTRICIJA FETUSA	2
20	P29	KARDIOVASKULARNI POREMEĆAJI PORJEKLOM IZ PERINATALNOG PERIODA	2
		<i>OSTALI UZROCI SMRTI</i>	39
		<b>UKUPNO/TOTAL</b>	<b>158</b>

# Overall context of maternal and neonatal healthcare in FBiH (3)

Izveštaj o porođajima u FBiH u 2012. godini

Report on childbirths in FB&H, 2012

Tabela 21

Dobne skupine majki Age groups of mothers	Ukupno broj porođaja (kol.3-5) Total number of childbirths	Od toga Of which				Sekcija sections	Ukupno broj rođenih Total number of births	Od toga Of which		
		uz stručnu pomoć with assistance	na vrijeme full term	prije vremena premature	prolongirana trudnoća prolonged			mrtvorodeno still-born	sa TT ispod 2500 weight under 2500 g	sa TT ispod 2000 weight under 2000 g
0	1	2	3	4	5	6	7	8	9	10
ispod 15 god under 15 age	6	6	6	0	0	2	6	0	0	0
15-19 god.	791	791	746	36	6	104	793	5	46	15
20-24 god.	4596	4596	4355	141	79	804	4615	28	155	55
25-29 god.	7331	7331	6967	200	148	1594	7385	33	247	96
30-34 god.	5451	5451	5134	206	95	1439	5522	29	183	83
35-39 god.	2088	2088	1980	80	22	675	2115	20	86	46
40-44 god.	424	424	380	33	9	196	435	8	29	11
45-49 god.	17	17	15	2	0	8	17	1	1	0
preko 49 god. over 49 age	1	1	1	0	0	1	1	0	0	0
<b>UKUPNO/TOTAL</b>	<b>20705</b>	<b>20705</b>	<b>19584</b>	<b>698</b>	<b>359</b>	<b>4823</b>	<b>20889</b>	<b>124</b>	<b>747</b>	<b>306</b>

# Overall context of maternal and neonatal healthcare in FBiH (4)

Selected HFA Indicator  
FEDERATION OF BOSNIA AND HERZEGOVINA  
2011-2012

Indicator	Indicator title	Pop. group	2011	2012
<b><u>1. Demographic and socioeconomic</u></b>				
#999999	<b>Mid-year population, total</b> Source: <i>Federal Institute for Statistics</i>	Total	2.338.270	2.338.277
#999999	<b>Mid-year population, male</b> Source: <i>Federal Institute for Statistics</i>	Male	1.145.752	1.160.651
#999999	<b>Mid-year population, female</b> Source: <i>Federal Institute for Statistics</i>	Female	1.192.518	1.177.626
#999998	<b>Live births, total</b> Source: <i>Federal Institute for Statistics</i>	Total	21.161	21.104
#999998	<b>Live births, male</b> Source: <i>Federal Institute for Statistics</i>	Male	10.981	10.962
#999998	<b>Live births, female</b> Source: <i>Federal Institute for Statistics</i>	Female	10.180	10.142
#998006	<b>Fertility rate</b> Source: <i>Federal Institute for Statistics</i>	Total	1,3	1,3
#075402	<b>Number of stillborn</b> <i>Federal Public Health Institute</i>	Total	76	56





# Overall context of maternal and neonatal healthcare in FBiH (5)

## ● *Maternal and child health*

Indicator	Indicator title	Pop. group	2011	2012
#4281	<b>Number of caesarean sections</b> <i>Federal Public Health Institute</i>	Total	4.598	4.823
#4280	<b>Caesarean sections per 1000 live births</b> <i>Federal Public Health Institute</i>	Total	217,28	232,26
#4290	<b>% of live births ,weighing 2500 g or more</b> <i>Federal Public Health Institute</i>	Total	95,42%	94,40%
#4300	<b>% of pre-term deliveries</b> <i>Federal Public Health Institute</i>	Total	3,73%	3,40%



# Policies, strategies, guidelines..

- Policy on Early Childhood Development in the Federation of Bosnia and Herzegovina (Government of FBiH, May 2012);
- Policy for Improving Child Nutrition in Federation of Bosnia and Herzegovina (Government of FBiH, February 2013);
- Framework Policy for Early Childhood Development in Bosnia and Herzegovina (“Official Gazette of Bosnia and Herzegovina” No. 36/12);
- Strategic Plan for Improving Early Childhood Development in Federation of Bosnia and Herzegovina 2013–2017 (Government of FBiH, 2012);
- Nutrition Guidelines for Children ages 0 to 3 in FBiH 2013-2017 (Government of FBiH, September 2013).



# Basic Documents Governing the Activities - Federal Ministry of Health

- Law on Health Care ("Official Gazette of the Federation BiH", No. 46/10)
- Law on Health Insurance ("Official Gazette of the Federation BiH", No. 30/97, 7/02 and 70/08)
- Law on Rights, Obligations and Responsibilities of Patients ("Official Gazette of the Federation BiH", No. 40/10)
- Law on Pharmacist Activity ("Official Gazette of the Federation BiH", No. 40/10)
- Law on Blood and Blood Components ("Official Gazette of the Federation BiH", No. 9/10)
- Law on Transplantation of Organs and Tissues for Purpose of Medical Treatment ("Official Gazette of the Federation BiH", No. 75/09)
- Law on Medicaments and Medical Aids ("Official Herald of BiH", No. 58/08)
- Law on Protection of Population from Contagious Diseases ("Official Gazette of the Federation BiH", No. 29/05)
- Law on Protection of Persons with Mental Disorders ("Official Gazette of the Federation BiH", No. 37/01 and 40/02)
- Law on System for Improvement of Quality, Safety and on Accreditation in Health Sector Disorders ("Official Gazette of the Federation BiH", No. 59/05)
- Law on Restricted Use of Tobacco Products ("Official Gazette of the Federation BiH", No. 6/98, 35/98 and 11/99)
- Law on Sanitary Appropriateness of Food and Articles for General Use ("Official Gazette of the R BiH", No. 2/92 and 13/94)
- Law on Marketing of Poisons ("Official Gazette of the R BiH", No. 2/92) and 13/94)
- Law on Health Data Records ("Official Gazette of the R BiH", No. 2/92) and 13/94)
- Law on Radiation and Nuclear Safety in Bosnia and Herzegovina ("Official Herald of BiH", No. 88/07)
- Law on Prevention and Eradication of Stupefying Drugs Abuse ("Official Herald of BiH", No. 8/06)



# Strategies..

- Strategic Plan for Improving Sexual and reproductive Health in Federation of Bosnia and Herzegovina (Government of FBiH, 2010);
- Strategic Plan for Developing Primary Health Care in Federation of Bosnia and Herzegovina (Federal Ministry of Health);
- Policy – Youth and Health in Federation of Bosnia and Herzegovina (Federal Ministry of Health);
- Strategic Plan for Health care Reform, 2008-2018. (Federal Ministry of Health).



# Development of BFH Accreditation standards

- Accreditation standards include a total of 14 standards and 66 criteria. These are based on UNICEF's "Ten steps to successful breastfeeding" and separated into ten chapters:
  1. Breastfeeding policy (1 standard, 6 criteria);
  2. Staff training (1 standard, 7 criteria);
  3. Information on breastfeeding (1 standard, 5 criteria);
  4. First contact and initiation of breastfeeding (2 standards, 6 criteria);
  5. Breastfeeding and maintaining lactation (4 standards, 19 criteria);
  6. Infant nutrition (1 standard, 9 criteria);
  7. Rooming-in/bedding-in of mother with baby (1 standard, 3 criteria);
  8. Breastfeeding "on demand" (1 standard, 4 criteria);
  9. Abstaining from using pacifiers (1 standard, 3 criteria);
  10. Support group for mothers (1 standard, 4 criteria).



# Main achievements

- Two accredited maternal wards;
- Two maternal wards waiting on decision;
- By end of 2014/beginning of 2015 we expect to have 10 maternity wards accredited (against BFH standards) in FBiH.

# Accreditation – external assessment

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## Further steps and activities

- Accreditation and reaccreditation of maternity wards in FBiH;
- Expand activities at the level of primary healthcare (“schools for pregnant women” and postpartum care – nurses in community);
- Accreditation standards for Integrated Early Childhood Development Centers.





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# Existing quality assurance mechanisms in FBiH (1)



- Federal Administration for Inspection (Health Inspections);
- Certification – AKAZ (mandatory – safety standards);
- Accreditation – AKAZ (voluntary – quality standards).



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# Existing quality assurance mechanisms in FBiH (2)

AKAZ – basic functions:

- Development of standards;
- Evidence based clinical guidelines;
- Performance indicators;
- Education and training of health professionals.



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# Existing quality assurance mechanisms in FBiH (3)

## Accreditation standards for:

- **Hospitals (rev. 2010);**
  - Baby friendly hospitals (rev. 2014)
- **Health Centers (rev. 2013);**
  - Family medicine teams (rev. 2012),
  - Centre for Mental Health (rev. 2013),
- **Youth friendly services (2009);**
  - Drop-in centers (2014),
  - VCT centers (2014).

## Certification standards for:

- Pharmacies (2013);
  - Health Centers (rev. 2014);
    - Family medicine teams (rev. 2014),
  - Hospitals (rev. 2015).
- 
- Performance indicators for hospitals (41/12) and health centers (38/8) with methodology (AKAZ, 2014)



# Expected ways forward

- Federal Ministry of Health (legal framework);
- Health Insurance Fund (incentives for safety and quality of healthcare);
- Health professionals (education, training, CME - chambers);
- Patient organizations/associations;
- AKAZ – further support development of the Agency;
- Donors (UNICEF, SDC, WHO, etc.)



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# AKAZ FBiH

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