

THE CROATIAN EXPERIENCE

4th International Congress of Breast Disease Centers

PARIS, FEBRUARY 5-7, 2014



HRVATSKI LIJEČNIČKI ZBOR
HRVATSKO SENOLOŠKO DRUŠTVO

CROATIAN MEDICAL ASSOCIATION
CROATIAN SENOLOGIC SOCIETY



CROATIA

- 56,594 square kilometers
- Climate – continental and Mediterranean (21 counties)
- 128 square kilometers of water
- 1000 islands
- Population: 4,290,087; 90.4% Croat, 4.4 Serb, 6% other
- Women – 2,292,847
- GDP €13,654

CROATIA- HEALTHCARE IN CROATIA

- 79 hospitals 23,967 beds
 - 700,000 patients
 - 6,379 private practices
 - 41,271 healthcare workers
 - 10,000 medical doctors
-

HEALTHCARE IN CROATIA

- Universal healthcare system
- Population is covered by basic health insurance
- € 2.75 billion
- Croatia spends 6.9% of its GDP on healthcare
- Healthcare expenditures comprise only 0.6% of private practices
- Due to the recession HCS is in a crisis and under reorganization



HRVATSKI LIJEČNIČKI ZBOR
HRVATSKO SENOLOŠKO DRUŠTVO

CROATIAN MEDICAL ASSOCIATION
CROATIAN SENOLOGIC SOCIETY



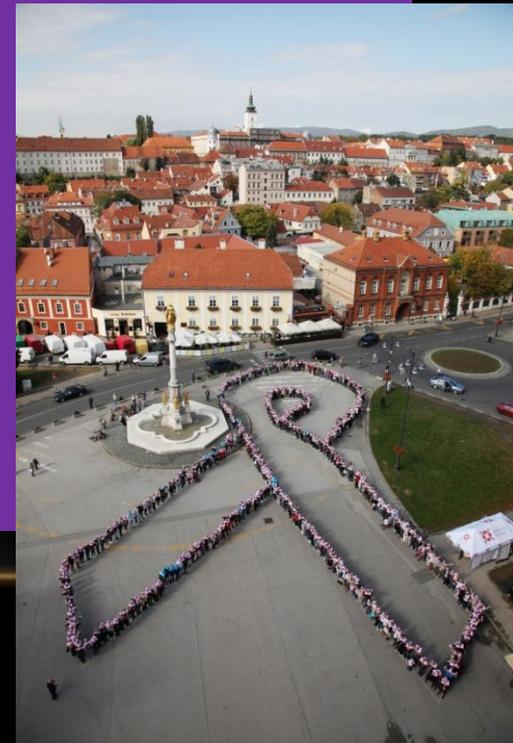
- ESTABLISHED 1998
- MEMBER OF SIS 1998
- Mobile mammography 2 units began in 2000 – screening pilot project
- EDUCATION
- every year 3-4 courses in breast US, 1 MMG
- 2013 Breast MR course
- Patronage SIS International School
- Every year 1 target symposia
- Every 3 year National Congress
- 14 th SIS World Congress Zagreb 2006

NON-GOVERNMENTAL INSTITUTIONS

Croatian Association of women suffering from Breast Cancer

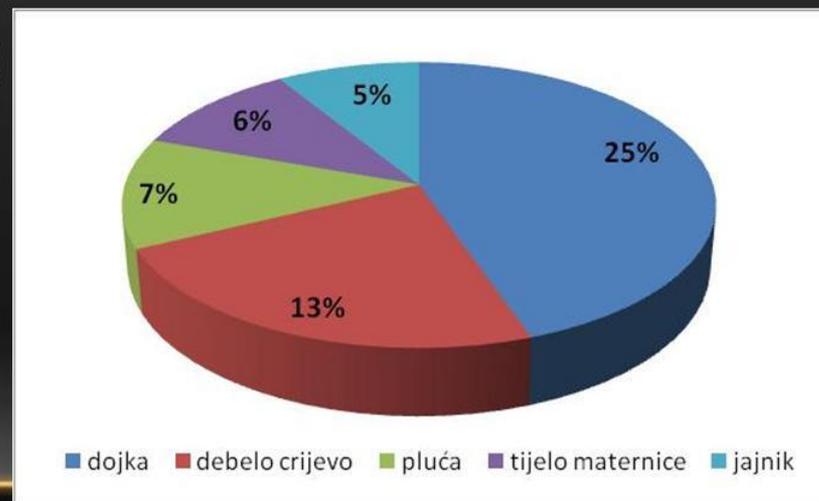
Eropa Donna Croatia - European Breast Cancer Coalition
/37 clubs/

Everything for her - psychosocial assistance



THE FIVE MOST COMMON CANCERS IN CROATIA

- Breast (25%)
- Trachea, bronchus and lungs (7%)
- Colon (13%),
- Uterine body (7%)
- Ovary, fallopian tube and adnexa (11%)



THE MOST COMMON CANCER SITES FOR FEMALES BY AGE

- 0-9 years brain,kidnay ,lymphatic leukaemia
- 10-19 years thyroid,brain,M. Hodkin
- 20- 29 years thyroid,brest, M hodkin
- 30-39 years breast ,thyroid,uterinw cervix
- 39-40 years breast,ut.cervix,thyroid
- 40-49 years breast,thyroid,ut cervix
- 50-59 years breast ,trachea,brncus-lungs,corp uteri
- 60-69 years breast ,trachea,brncus-lungs,corp uteri
- 70-79 years breast ,trachea,brncus-lungs,colon
- 80 and above breast ,colon ,trachea,brncus-lungs

BREAST CANCER IN CROATIA

- **Incidence 2011.**

- 2094 (94.4/100,000) new cases

- **Mortality 2011.**

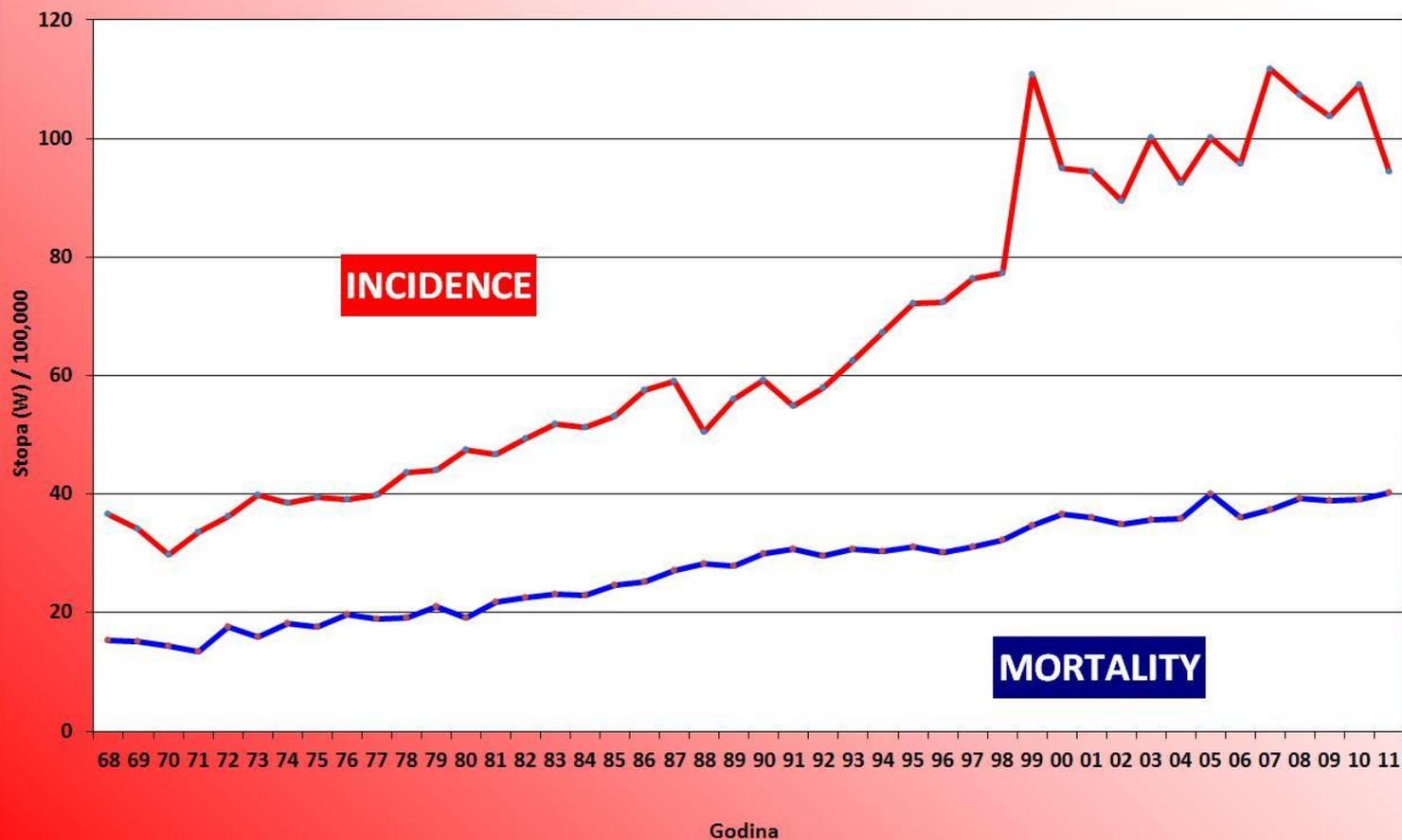
- 894 (40.3/100,000) deaths

The most common cause of cancer related death

- **Increase in morbidity and mortality over 45**



BREAST CANCER IN CROATIA



CSS, COS , MINISTRY OF HEALTH

- 1999

- Clinical guidelines in the diagnosis, treatment and monitoring of patients with invasive breast cancer

CROATIAN NATIONAL BREAST SCREENING PROGRAM - MAMMA

- Start 2006
- Female population 50-69 years
- 2 year screening interval
- Goal - reduction of mortality rate in 5 years 20-25%



Ranim otkrivanjem mnoge su žene pobijedile rak dojke.
Možete i Vi!

MINISTARSTVO ZDRAVSTVA I SOCIJALNE SKRBI
REPUBLIKE HRVATSKE

mamma

NACIONALNI PROGRAM RANOG
OTKRIVANJA RAKA DOJKE

Dio članica Kluba žena operiranih zbog bolesti dojke Čakovec
prilikom obilježavanja Dana ružičaste vrpce 2006., posvećenog
borbi protiv raka dojke.

Medicinska Sjecinja
Zavod za javno zdravstvo Medicinske Sjecinje
Zupanijska bolnica Čakovec
Poliklinika Medicinski Centar
Dnevni odjeljenje Čakovec, Ambulanta općih/obiteljske medicine, Spec. ginekološke endometrije u
Medicinskoj Sjecinji
Zupanijski igrig protiv raka Čakovec
Klub žena operiranih zbog bolesti dojke Čakovec.

Trgik Larić Perlešćević, Nikićkić, Zavod za javno zdravstvo Medicinske Sjecinje,
Zupanijski igrig protiv raka Čakovec, 2006.

Dr.sc.Tamara Poljicanin
Hrvatski zavod za javno zdravstvo
CROATIAN NATIONAL INSTITUTE OF PUBLIC HEALTH

SCREENING PROGRAM – FLOW

1. CYCLE

- DURATION OF CYCLE: 2006-2009
- INVITED WOMEN 721,000
- Turnout 63%, in 6 counties > 70%
(Bjelovarsko-bilogorska, Istarska, Krapinsko-zagorska, Međimurska, Požeško-slavonska, Zadarska)
- 331,609 mammographies
- Discovered: 1633 IC, 54 (3.51%) DCIS



SCREENING PROGRAM – FLOW



2. CYCLE

- DURATION OF CYCLE: 2010-2011
- INVITED WOMEN 680,642
- Turnout 57%, in 3 counties > 70%
(Bjelovarsko-bilogorska, Međimurska, Požeško-slavonska)
- 295,605 mammographies
- Discovered 928 IC



SCREENING PROGRAM-FLOW



3. CYCLE

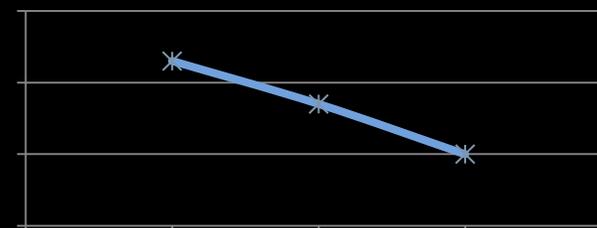
- DURATION OF CYCLE: 2011
- INVITED WOMEN 418,513 (64%)
- Turnout 50%, in 3 counties > 70%
(Bjelovarsko-bilogorska, Međimurska, Požeško-slavonska)
- 173,953 mammographies
- Discovered 259 IC



CYCLE COMPARISON

	1.ciklus	2.ciklus	3.ciklus
pozvano	721000	680642	418513
odaziv	63%	57%	50%
mamografija	331609	295605	173953
ca	1633	928	259

response



CA ,mammography



SCREENING MAMMOGRAPHY

- Price 23 E
 - Double reading
 - Invitation for screening-letter sent by post
 - Questionnaire with personal information and patient history
 - Written report - BIRADS-letter sent by post
 - Recommendations for further procedures
-

MAMMOGRAPHY UNITS

- 130
 - *Film mammography* 107
 - *Digital mammography* 22
 - *15 stereotactic*
 - *Hospitals* 50
 - *Praxis* 80
-

MR 1.5 UNITS

- Hospital – 20 units
 - Praxis – 15 units
 - Breast MR – 20 units
 - Biopsy – 1 unit
- 

ULTRASOUND

- 825 units
 - 700 breast educated doctors
 - Citology 70%
 - Core Biopsy 30%
 - Large core biopsy – 5 units
-

LINEAR ACCELERATORS

- 14
- Brachithrapy 0
- waiting time up to 3 months

SURGERY 2011

- Partial mastectomies – 2578
- Uni or bilateral mastectomies – 1540
- 17 hospitals

- Subcutaneous mastectomy
- Reconstructive mastectomies 30%
- 6 hospitals

“BREAST CENTERS” IN CROATIA

- 7 fully equipped breast centers – from diagnosis to irradiation – provide complete quality management of breast cancer patient care
- 17 hospitals – cannot provide irradiation or provide partial breast cancer patient care.
- Over 40 diagnostic breast assessment units

SURPRISE IN 2012

- Diagnosed with breast cancer 2200
- Died of breast cancer 1033
- 15 men
- Over 1000 deaths since the beginning of breast cancer monitoring

HOW TO SOLVE THE PROBLEM

- Redefinition of the national screening program
- Strictly respect the recommendations of the European screening programs
- Implementation of breast centers



SIS EUROPEAN CONGRESS ON BREAST DISEASES

OPATIJA 22-25.10.2015.
CROATIA



UNDER THE AUSPICES OF
SENOLOGIC INTERNATIONAL SOCIETY - S.I.S.
INTERNATIONAL SCHOOL OF SENOLOGY - I.S.S.
CROATIAN SENOLOGIC SOCIETY
CROATIAN SOCIETY OF RADIOLOGY
CROATIAN SOCIETY FOR RADIOTHERAPY AND ONCOLOGY
CROATIAN SOCIETY OF ULTRASOUND IN MEDICINE AND BIOLOGY
CROATIAN SOCIETY OF PATHOLOGY
EUROPA DONNA CROATIA



S.I.S. EUROPEAN CONGRESS ON BREAST DISEASES

AND 6TH CONGRESS OF CROATIAN SENOLOGIC SOCIETY

22 - 25 October 2015 – Opatija – Croatia



Topics : Epidemiology
Basic research
Genetics
Pathology

Prevention
Screening programmes
Imaging
Surgery / Plastic Surgery

Radiotherapy
Hormone and Antiplastic therapy
Womens anti – cancer meetings
Breast diseases centers

www.novacon.hr/senology2015

Thank you for your attention