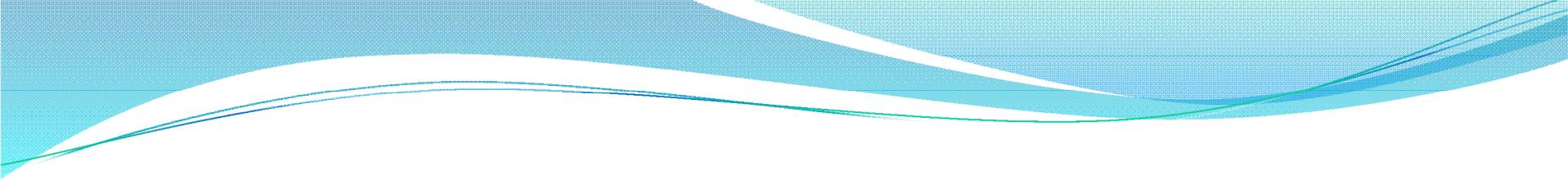


Implementation of HPV vaccination through the School Preventive Health-care Program In Ljubljana - Slovenia



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Slovenia is a small country of 2 million people. It is situated in Central and Southeastern Europe touching the Alps and bordering the Adriatic Sea and Italy to the west, Austria to the north, Croatia to the south and southeast, and Hungary to the northeast. It covers 20,273 km². On 1th of May 2004 it became a member of EC and a member of the EU. Its capital and largest city is Ljubljana with 280.000 population.



- We have 9 main health regions and in the school year 2013/2014 having:
 - 250.000 children attending the school from age 6 to 19 years
 - 170.000 attending primary (elementary school)
 - 80.000 high school (technical and grammar school)



Vir: Služba VRS za lokalno samoupravo in regionalno politiko, GURS, SURS
Orodje:SDMS97-Softdata



CONTENT OF THE PRESENTATION

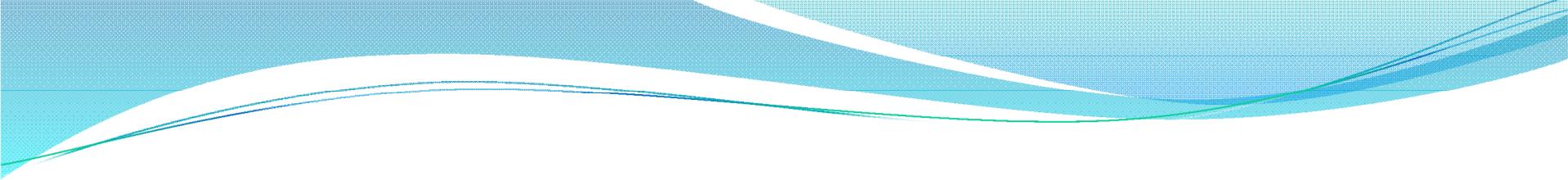
- **Community Health Centre and Primary Health Care**
- **Immunization in the past**
- **New Vaccination – New Challenges**
- **Implementation of HPV**
- **Results of 5 year HPV Programme**
- **Conclusion**



COMMUNITY HEALTH CENTRE and PRIMARY HEALTH CARE

- Most of Slovene GP, pediatricians and school doctors work on the primary health care level in Community Health Centres (**CHC**). They are outpatient clinics where medical doctors of different cross-section work. **Teams** within CHC
 - pediatricians, school doctors, pedopsychiatry, mental health care for children of special needs
 - general practitioners, gynecologists, pulmonologists, oculists
 - dental care, health visiting and home nursing, physiotherapy
X-ray & Ultrasound diagnostics, centre for health education

- 
- The majority of medical professionals work on primary health care in CHC.
 - We have 52 CHC in Slovenia.
 - The biggest CHC is in Ljubljana having 6 units + **Simulation Center** and **Research department**.
 - CHC has 1400 employees (233 specialists and 147 doctors) and we take care of 500.000 inhabitants.

- 
- **February, 2012**, Community Health Centre Ljubljana received **ISO 9001:2008 certificate** for successful implementation of quality system.
 - **DIAS international accreditation**, which we received in **October, 2013**, as the first community health centre in Slovenia.

- 
- In CHC-Ljubljana we have **25 school doctors**, and take care of 61 primary schools. I work in CHC unit Siska. 3 medical school doctors and we take care of 7 primary schools, two secondary schools and 3 grammar schools (7800pupils) and we have 7500 adolescents for outpatient treatment.
 - School doctor - preventive care 30% + outpatient treatment 65% + work with schools 5%



CHC Ljubljana Šiška



IMMUNIZATION IN THE PAST

- The schedules of health care for adolescents among European countries differ widely.

CLASS	AGE	VACCINATION
preschool	5.5 years	r.MMR+ HepB I. + II
1 st grade	6 years	HepB III
3 rd grade	8.years	DiTePer
6 th grade 2009	11-12years only girls	HPV I-III.
3rd class	18 years	Te

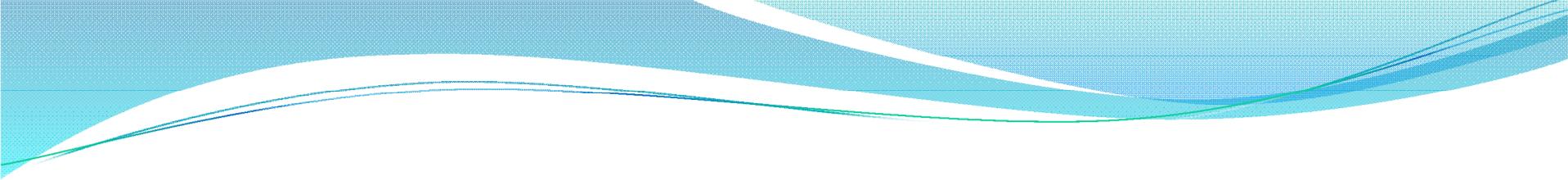
- The immunisation rates are comparable in European countries.
- All national vaccination immunization programs till 2009 were exclusively **mandatory**, while in 2009 **HPV** vaccination became **recommended**.

<u>2013/2014</u>	HepB I-III	rMMR	DiTePer	Tetanus
Slovenia	88.6 %	94.3%	94.7%	90.8%



VACCINATION – NEW CHALLENGES

- On the 13th EUSUHM congress in Dubrovnik prof.dr.P.van Damme first mentioned the challenge for the future the new vaccine HPV, which could be available on the market in 2006 or 2007.

- 
- Since **2009**, the new vaccination **HPV** was approved from the Slovenian Ministry of Health, which decided to fund HPV vaccination to be implemented through national recommendations. Due to the European references and guidelines we also vaccinated girls in the 7 grade of primary school age **11-12 years**. So far, the HPV vaccination is the first recommended vaccine in Slovenia, **free of charge**, paid from the Ministry of Health. Others are mandatory.



IMPLEMENTATION OF HPV

- No public promotion allowed by law in Slovenia (no TV spots, no jumbo posters, no celebrities involved).

Just communication by physicians direct to parents, school girls, teachers and school professionals.

- The start-up a new vaccination program in our country was a great challenge especially for the city of Ljubljana.



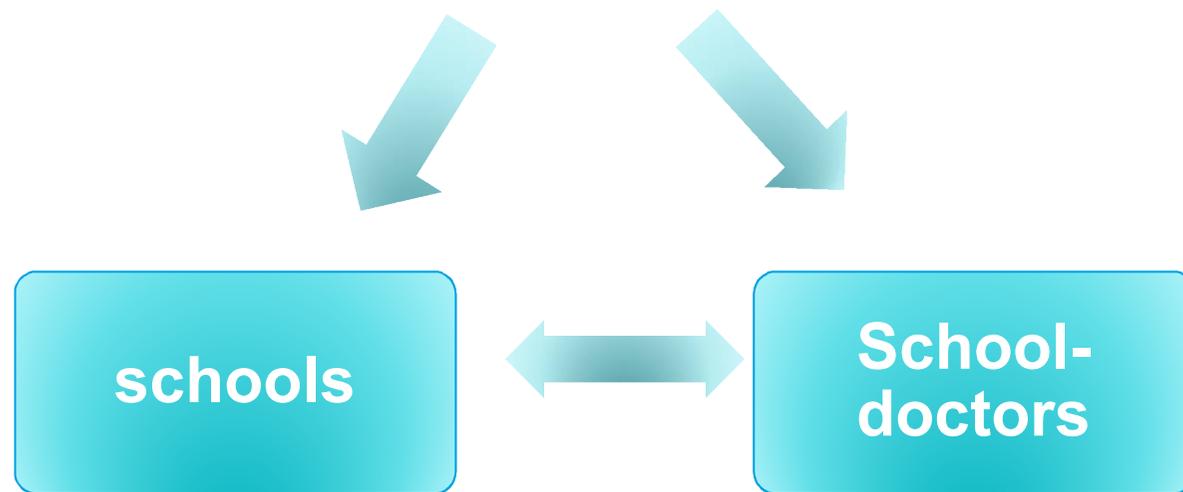


SPECIFIC FACTS FOR LJUBLJANA AREA

- mainly urban population
- higher incredulity of parents and media to the new vaccine
- HPV is not a childhood disease, but a cancer
- long-term impact
- activity of anti-vaccination groups
- weak acceptance of new vaccine even among medical professionals



**Institute of
National Health**





INSTITUTE OF NATIONAL HEALTH



- having short lectures for school teachers and headmasters
- website to inform parents, girls and other pupils
- prepared clarification duty for parents



- informed the professionals of new vaccination
- made a short PP as a help for school doctors
- prepare annual meetings to update the knowledge of HPV

INFORMATION FROM SCHOOL DOCTOR TO PARENTS

School doctor informs the school for medical check-up.



The notices for medical check-up and clarification duty for parents including statement of consent are sent to every child through the school administration.

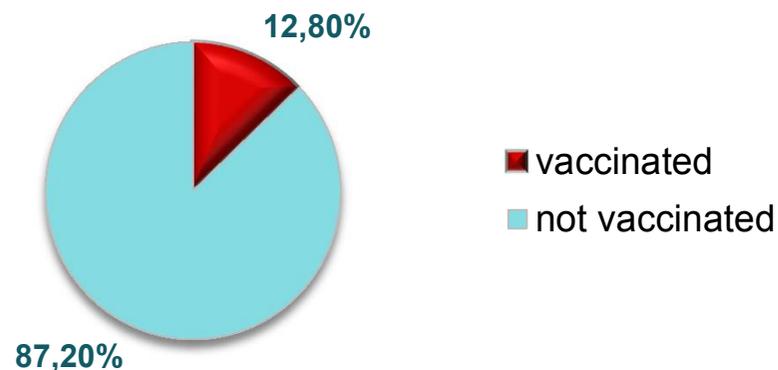


The children bring all above mentioned papers, signed by the parents on the day of medical check-up to the doctor.

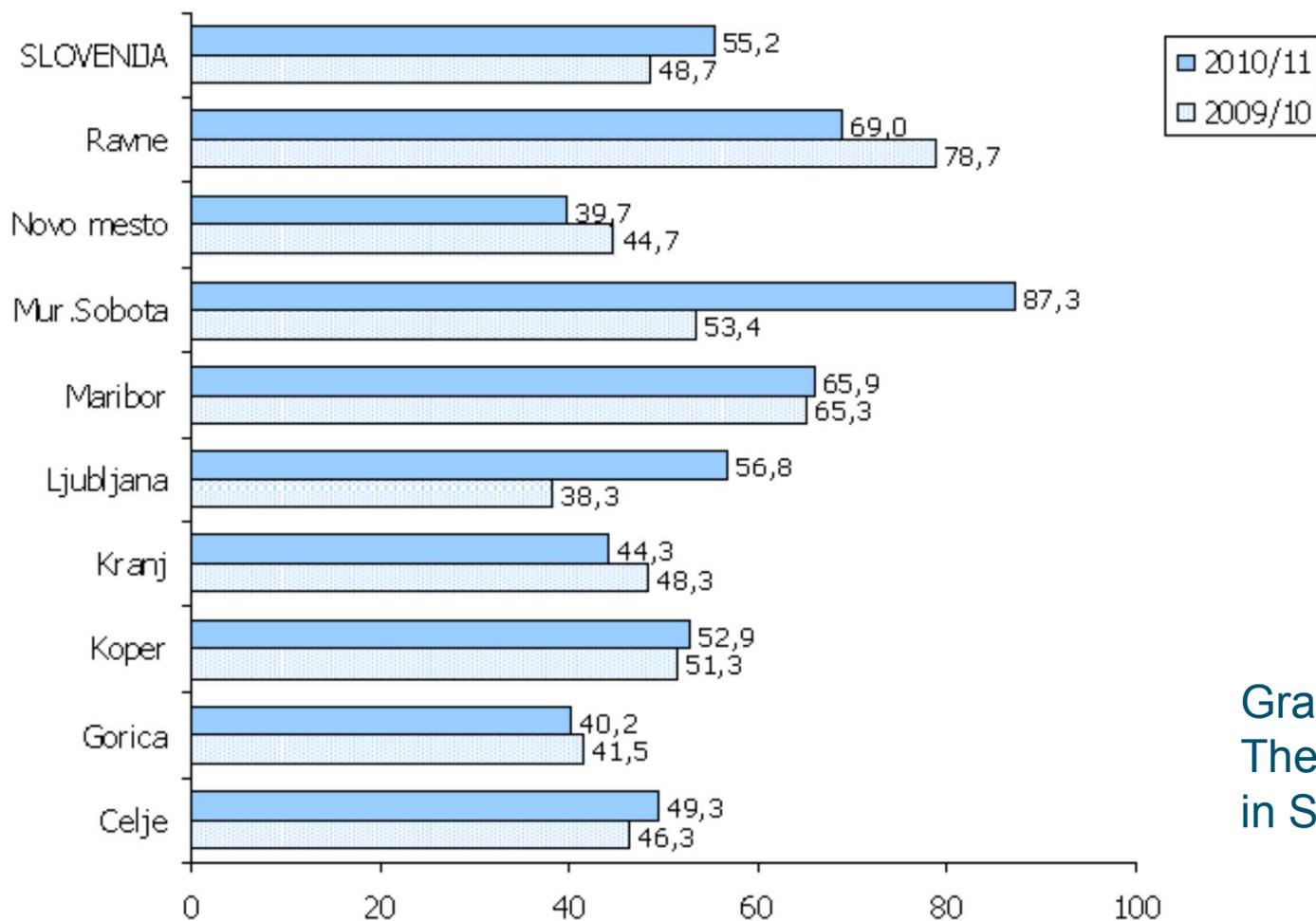
RESULTS OF HPV PROGRAM IN ZDL ŠIŠKA

THE FIRST YEAR

In all 7 primary schools in 2009/2010 we had 143 girls in the 7th grade. In the first year of the vaccination programme we had a very low participation of vaccinated girls, **12.8%**.



PERCENTAGE OF VACCINATED GIRLS



Graph 1:
The first vaccination
in Slovenia



WHAT DID I LEARN FROM PARENTS ?

- listen to them and hear them
- be sensitive
- we all need time to make a decision
- even from a bad experience you can learn something



SMALL CHANGES – GREAT EFFECT

- School doctor and gynaecologist holding lecture with pictures
 - School doctor – preventive – vaccination
 - Gynaecologist – cure treatment of disease
- Inviting all parents from 1- 9 class
(14 days before medical check-up)
- short leaflet for parents (10 most important highlights)
- making a CD for girls
(life stories of girls affected with HPV infection)
- having talks with girls from 10 -15 years
- as a personal doctor I have always the possibility to talk about vaccinations



School doctors
Gynaecologist
Teachers
Parents
Girls



Information
Education
Communication
Confidence

Success in
the HPV
story

RESULTS AFTER THREE YEARS

- In the year 2010/11 vaccination drastically grow to 38.3% and in the next year 2011/12 number of girls who received 3 doses increased to 57.0%.

	2009/10	2010/11	2011/12
Slovenia	48.7%	55.2%	54.9%
Ljubljana region	38.3%	56.8%	48,0%
Ljubljana-Siska	12.7%	38.3%	57.0%



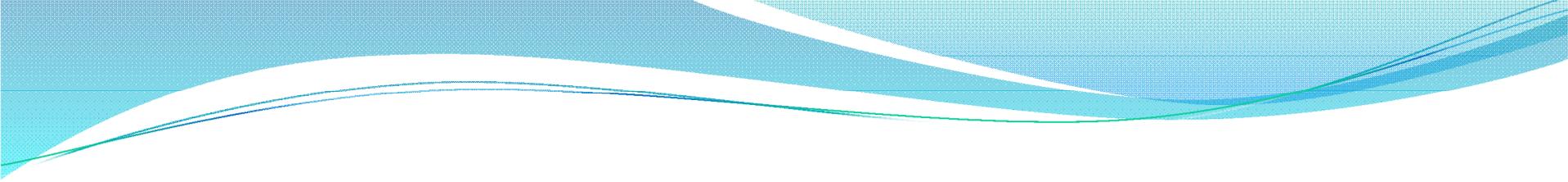
FIVE YEARS OF HPV VACCINATION

	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014
Slovenija	48.70	55.20	54.90	48.90	45.30
Ljubljana	38.30	56.80	48.00	32.80	30.50
Lj-Šiška	12.80	38.30	57.00	41.90	36.20
Ravne	78.70	69.00	85.80	79.30	80.20



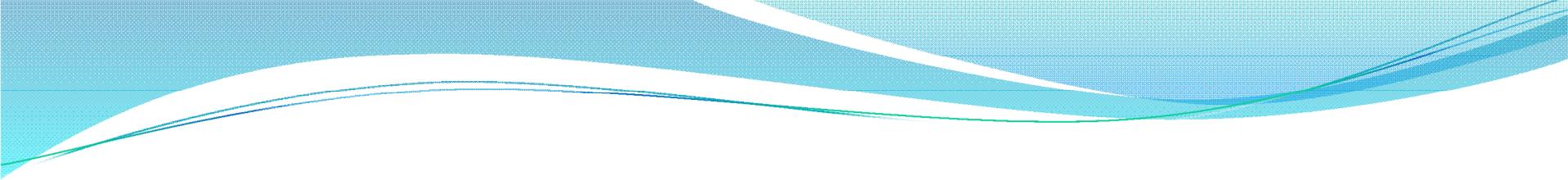
OUTLOOK FOR THE FUTURE

- Continual communication between school doctors and parents.
- Constant guidelines - changing from 3 to 2 doses make doubts to parents, especially because new 9 valent vaccine will come on the market.
- Lectures for girls and boys provided by medical students. They are closer to teenagers.
- Consent form with agreement or disagreement must be part of the medical record.

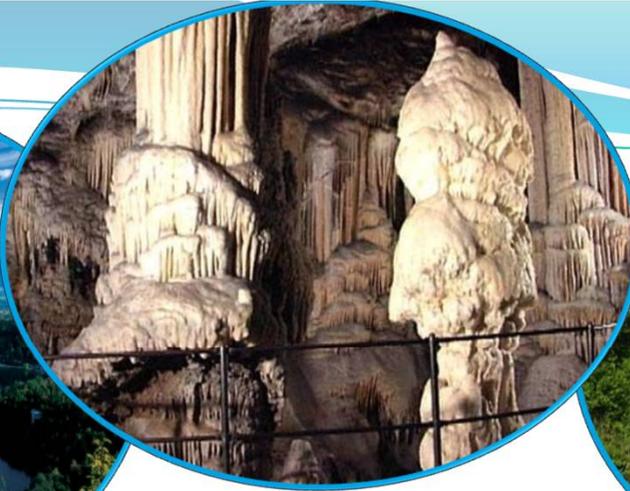
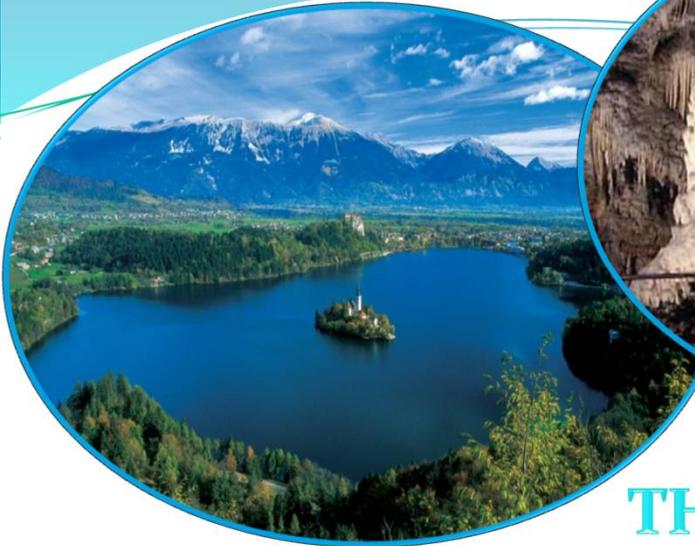


CONCLUSION

- National immunization program is appropriate and efficient way to implement the new vaccines.
- School doctors have the mission to spread the positive message of HPV vaccination across all regions of Slovenia and bring our adolescents healthy and responsible in the adult age.



European children have
goods, which are free
must bow down and pick
Children from other pa
world would like to h
goods, but they don't
and can not pick the



**THANK YOU FOR
YOUR ATTENTION!**

