Cancer prevention as one of the priorities of the Czech health care policy

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Cancer prevention is one of the main priorities of the Czech Ministry of Health

- Support of running and well organized cancer screening programmes
- Support of sustainability of personalised invitation of citizens to the screening programmes
- Support to data collection background, mainly to the National Cancer Registry
- Newly prepared National Action Plan focused on Screening Programmes
I. Czech Republic supports well organized cancer screening according to relevant international guidelines
National organised screening programmes in the Czech Republic

- Regulation of the Ministry of Health of the Czech Republic no. 70/2012

**Breast Cancer Screening Programme**
- women aged over 45 years
- mammography every 2 years

**Colorectal Cancer Screening Programme**
- men and women aged over 50 years
- 50-54 years – faecal occult blood test every year
- over 55 years – faecal occult blood test every 2 years
  - OR primary screening colonoscopy every 10 years

**Cervical Cancer Screening Programme**
- all adult women
- annual Pap smear

- Since 2014, the non-attenders to cancer screening programmes have been personally invited to the screening examinations by their health insurers
### Performance of cancer screening programmes: before personalised invitations

<table>
<thead>
<tr>
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<th>Cervical cancer screening</th>
<th>Breast cancer screening</th>
<th>Colorectal cancer screening</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monitored period of organised screening programme</strong></td>
<td>2010-2013</td>
<td>2002-2013</td>
<td>2006-2013</td>
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<tr>
<td><strong>Total number of cancer screening examinations</strong></td>
<td>8,411,969 cytology examinations</td>
<td>4,863,628 mammography examinations</td>
<td>3,559,558 faecal occult blood tests, 19,798 screening colonoscopy examinations</td>
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<td><strong>Number of patients with significant cancer screening finding</strong></td>
<td>19,405 patients with neoplasia</td>
<td>24,994 patients with breast cancer</td>
<td>44,378 patients with adenoma, 5,066 patients with cancer</td>
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Gradually implemented organised screening programmes in the Czech Republic achieved visible population impact and substantially contributed to early cancer detection or prevention.
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II.
In 2014, personalised invitation of citizens to the screening was started
Time trend in colorectal cancer screening coverage

Coverage by examination (50+)

Coverage after first year of invitation project:

Unsatisfactory coverage by colorectal cancer screening examinations was substantially increased (by one fifth) after first year of personal invitations
Colorectal cancer screening
Response to invitations, according to age

Invitations in the period from January 2014 to June 2014, a total of 989,905 invitations
Men and women aged 50 to 70

Overall participation rate: 14.5 %
(participation in FOBT or colonoscopy)

More than 1 in 10 persons responded to an invitation to colorectal cancer screening; in this case, the participation rate was higher in older age groups.
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III.
Although the population burden is high, the Czech health care system managed to decrease colorectal cancer mortality

In the Czech Republic, the colorectal cancer represents 12.0 % of malignant neoplasms in men (third most frequent) and 9.4 % in women (third most frequent).

Source: Czech National Cancer Registry
Time trends in colorectal cancer burden in the Czech Republic (both sexes)

Incidence and mortality trends

- Incidence: +0.8%
- Mortality: −15.1%

%: growth trend in the period 2002–2012

In the last decade, the colorectal cancer mortality decreased; however, colorectal cancer early detection is still insufficient

Source: Czech National Cancer Registry
The decrease in colorectal cancer mortality was confirmed by the international study performed by OECD.
Thank you for your attention