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Federal Office of Radiation Protection

**General Public's Fears and Anxieties
with Regard to the Possible Risks
of High Frequency Electromagnetic
Fields of Mobile Telecommunication**

Survey Results 2006

- **Survey Details**
- **Perception of Mobile Telecommunication Compared to Other Risk Factors**
- **Use of Mobile Telecommunication at a Glance**
- **Concern and Impairment Regarding Electromagnetic Fields of Mobile Telecommunication**
- **Sources of Electromagnetic Fields which Cause Concern and Impairment**
- **Public's Level of Information**
- **Preventive Measures**



- **Annual replication survey 2003 to 2006, 2,500 interviews each year**
- **Telephone survey with people in private households aged 14 and older**
- **Telephone sample incl. randomly generated telephone numbers**
- **“Last birthday”-selection within household**
- **Average length of interview: about 20 min.**
- **Checking of questionnaire via annual pretest**
- **Data weighting: design and redressment weight**



Mobile Telecommunication Compared to Other Risk Factors

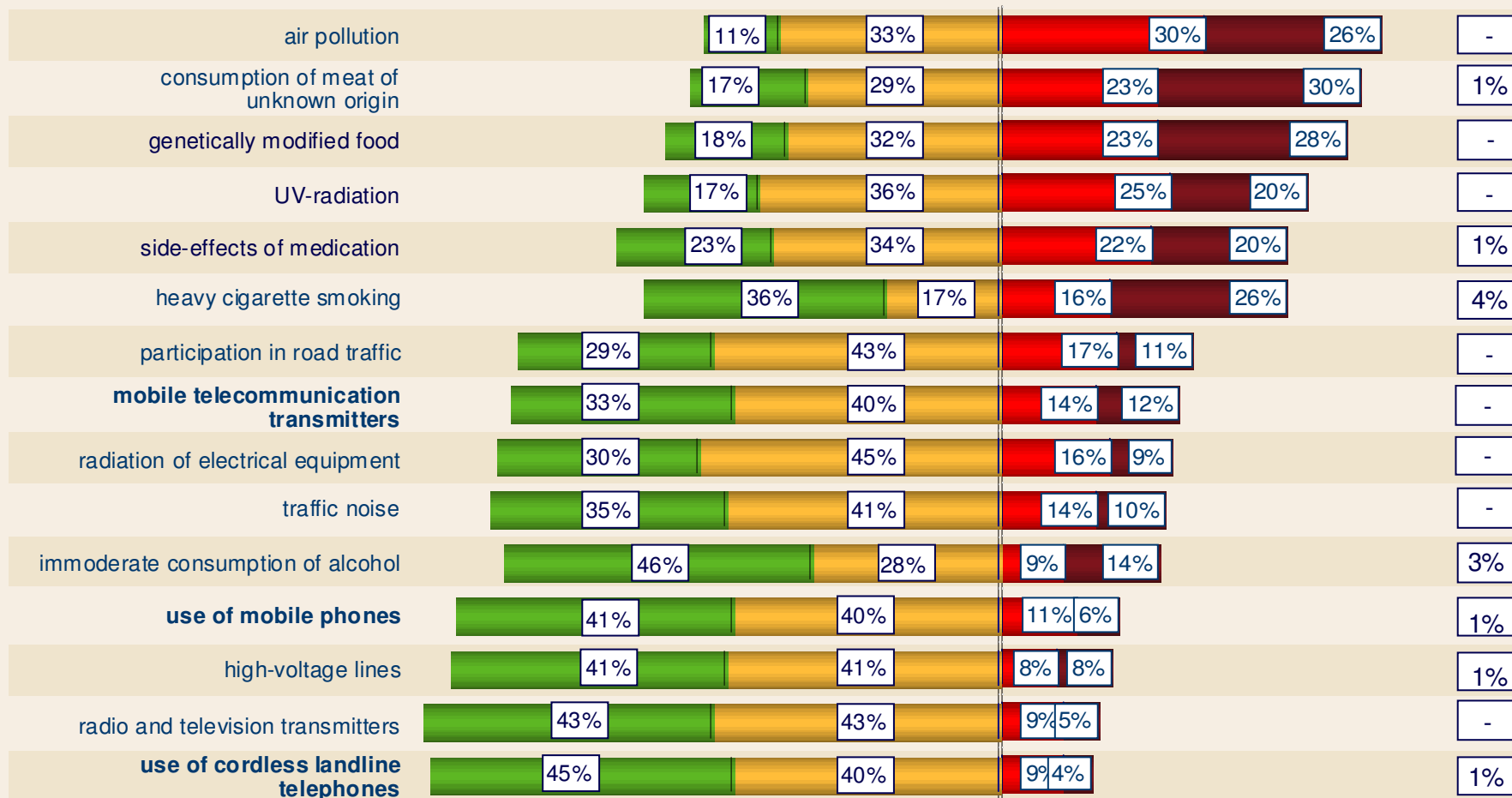
Results 2006

level of concern with regard to possible health effects

source/risk factor
(sorted by proportion "quite strong/strong concerns")



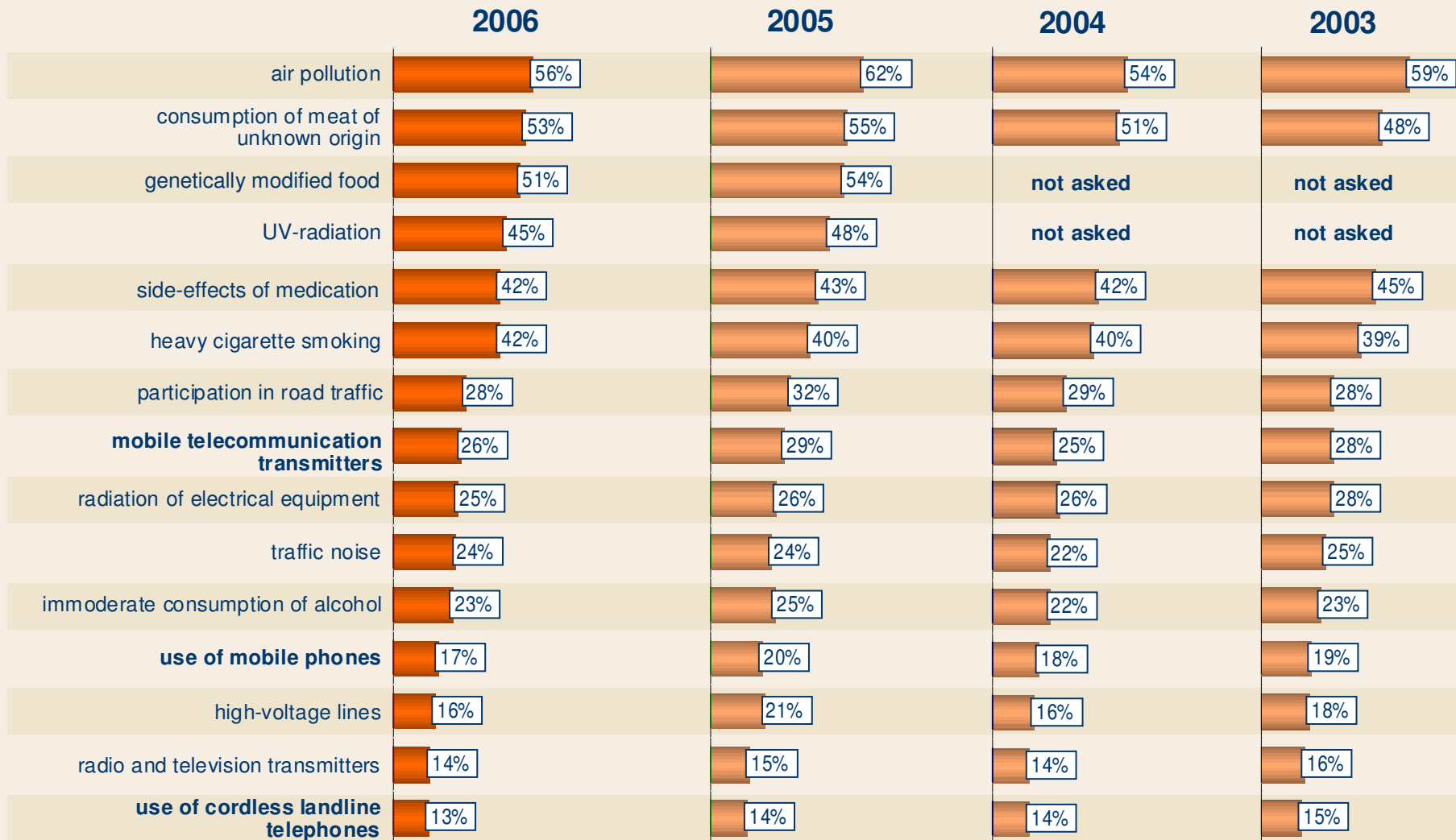
"does not apply",
no contact with this
factor



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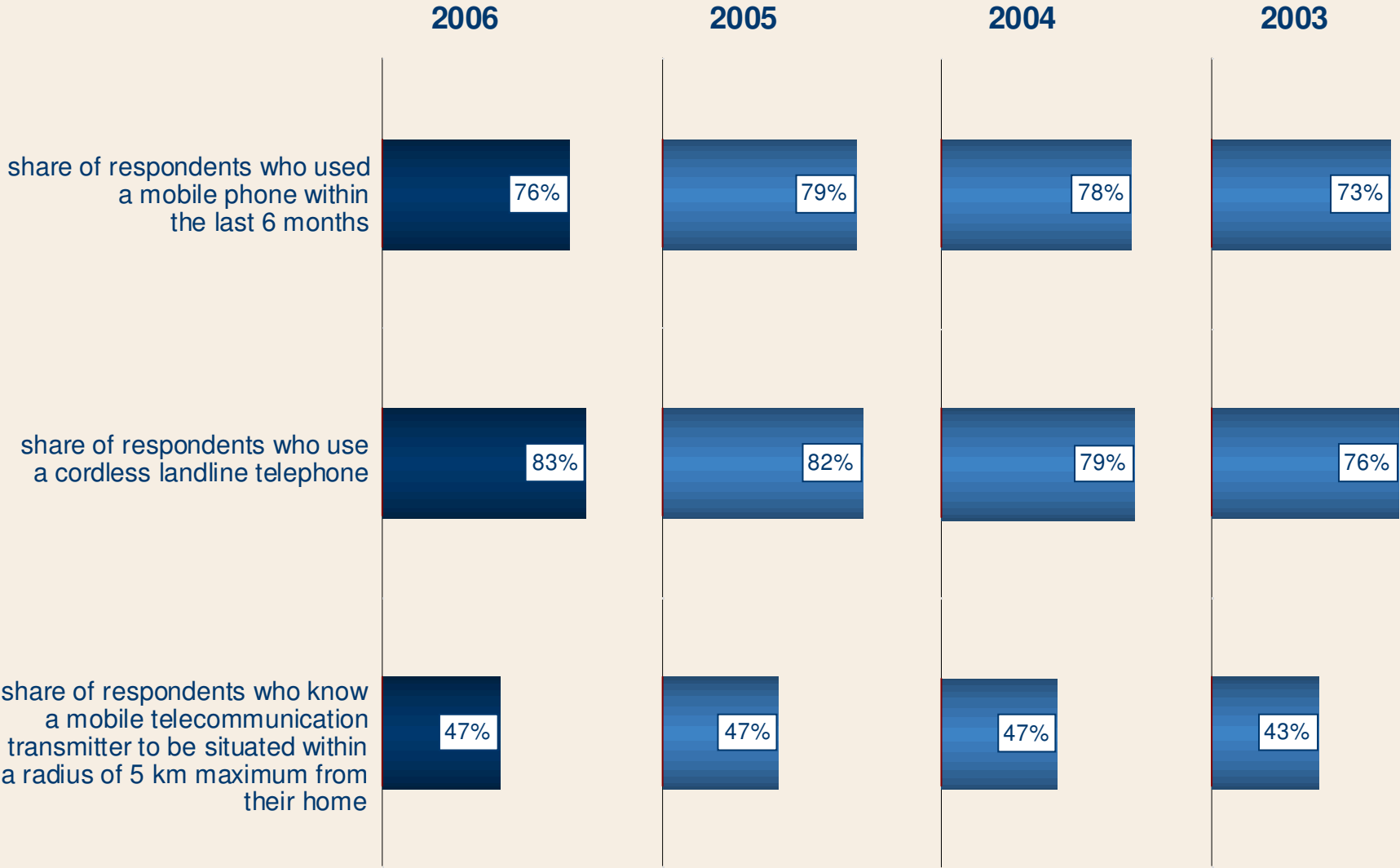
Assessment of Mobile Telecommunication and Other Risk Factors Compared over the Surveyed Years

proportion “quite strong/strong concerns”



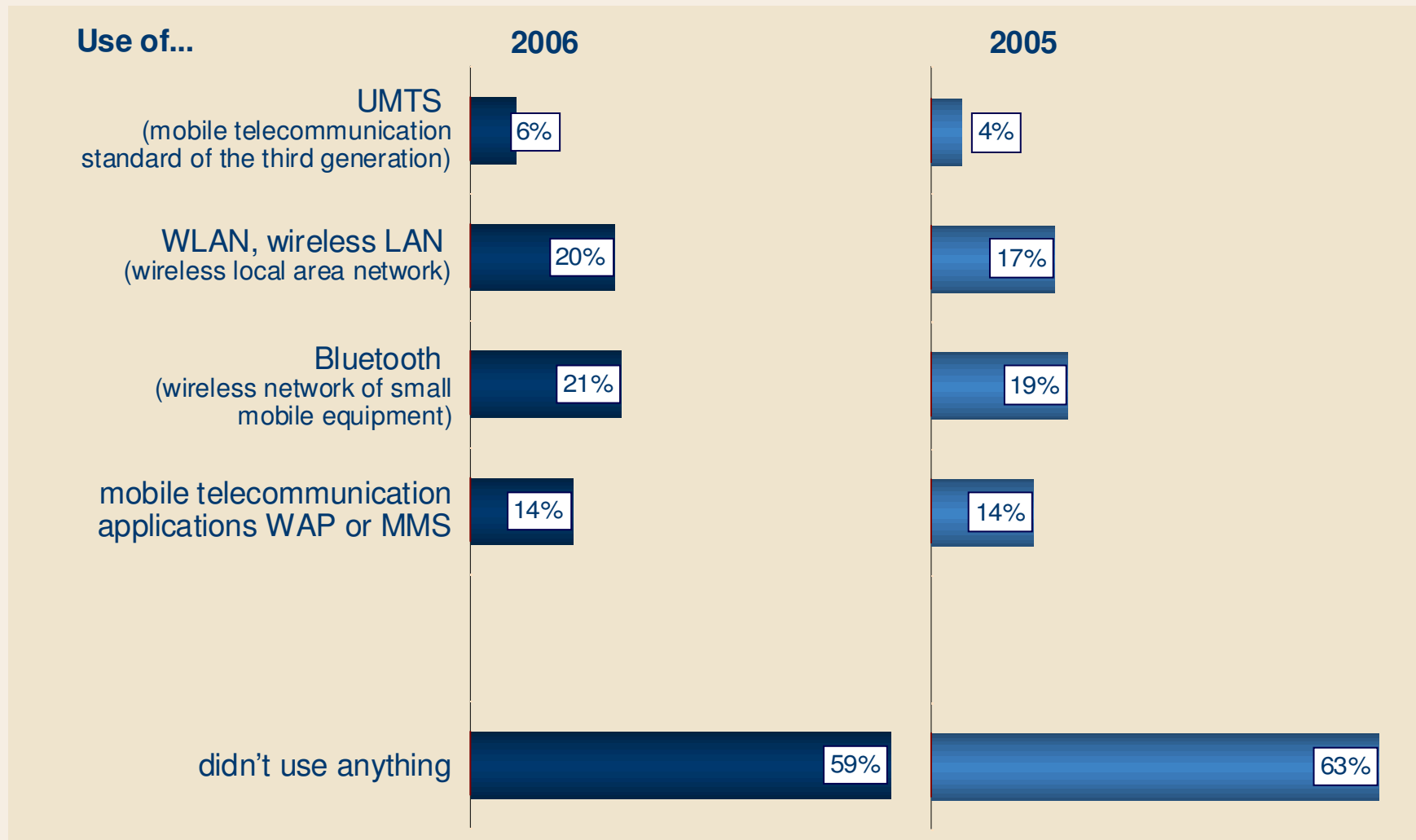
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Use of Mobile Telecommunication at a Glance



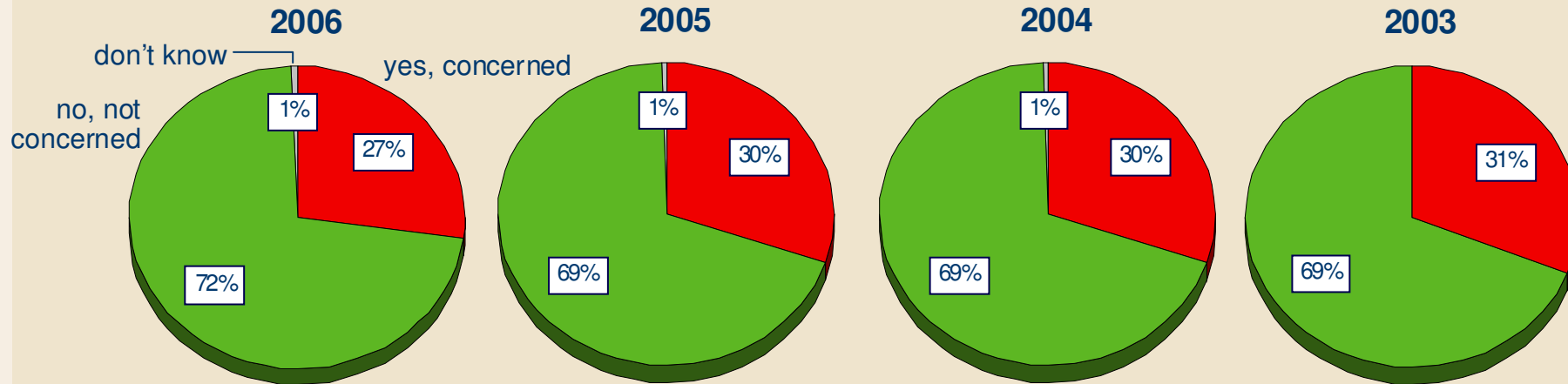
Use of Further Current Mobile Telecommunication Technologies

business and private use of the following technologies/applications:

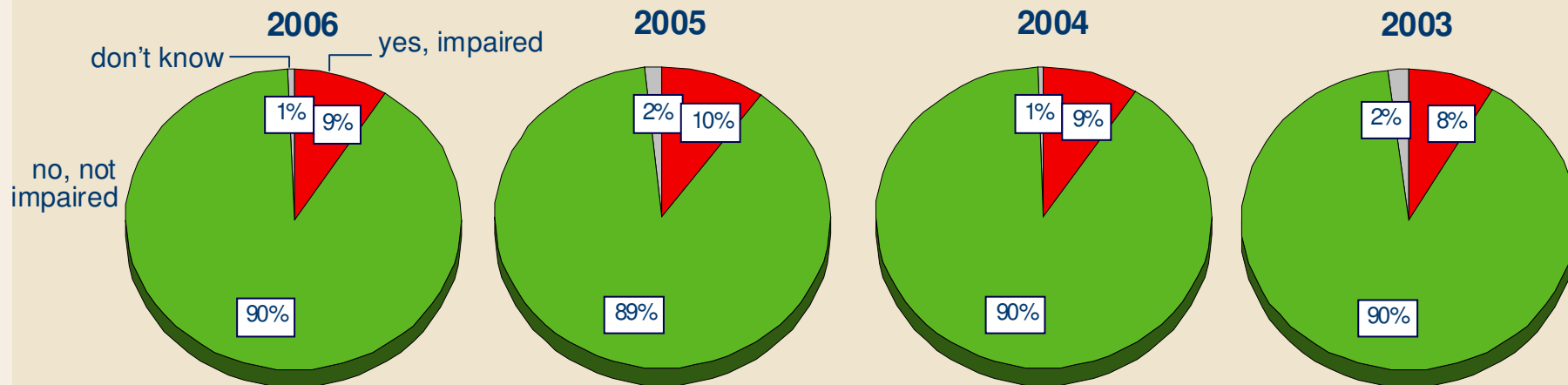


Concern and Impairment Regarding Electromagnetic Fields of Mobile Telecommunication

proportion: respondents who are concerned with regard to their health due to EMF caused by mobile telecommunication transmitters, mobile phones or cordless telephones



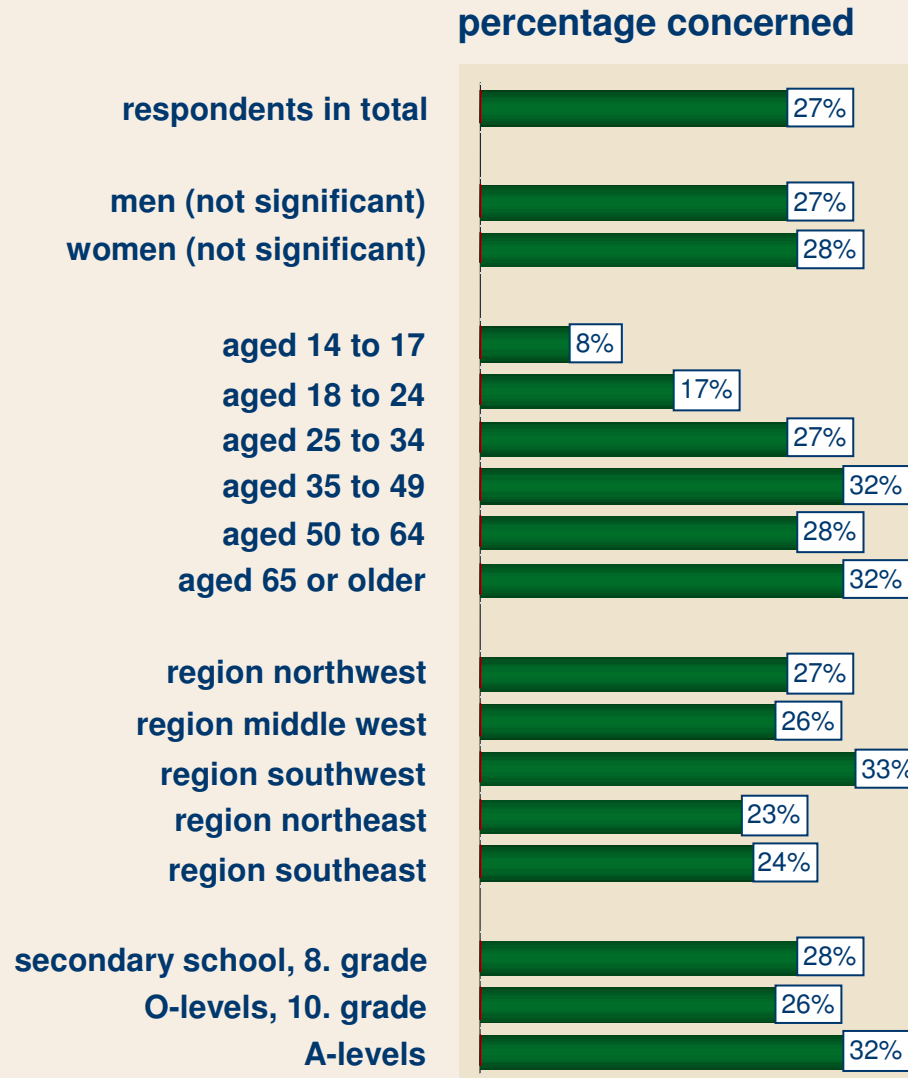
proportion: respondents who feel impaired with regard to their health due to EMF caused by mobile telecommunication transmitters, mobile phones or cordless telephones



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Proportion of the Concerned about EMF by Analysis Groups with Significant Influence I

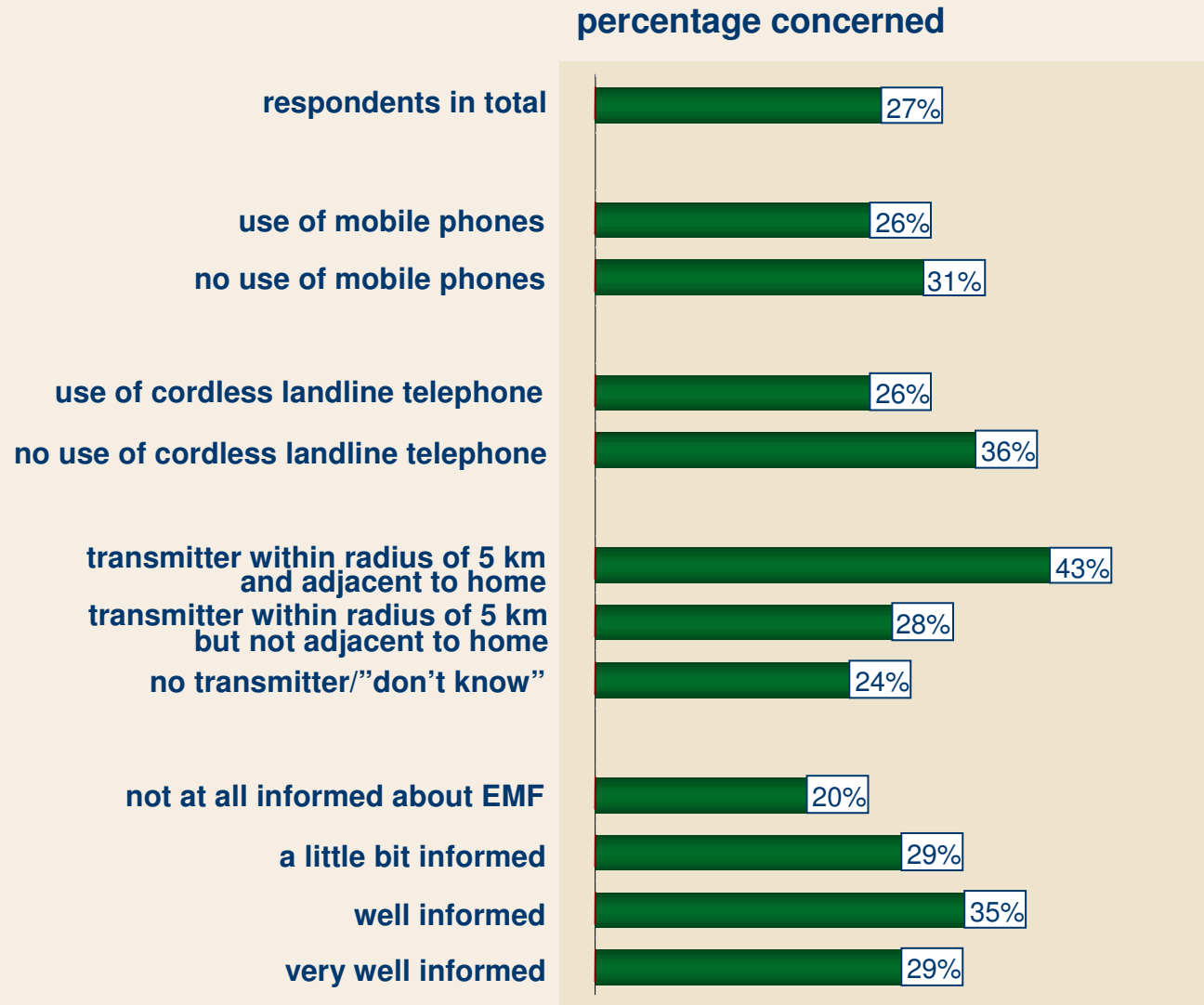
Results 2006



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Proportion of the Concerned about EMF by Analysis Groups with Significant Influence II

Results 2006

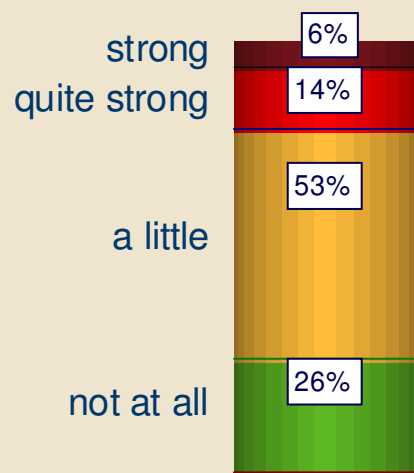


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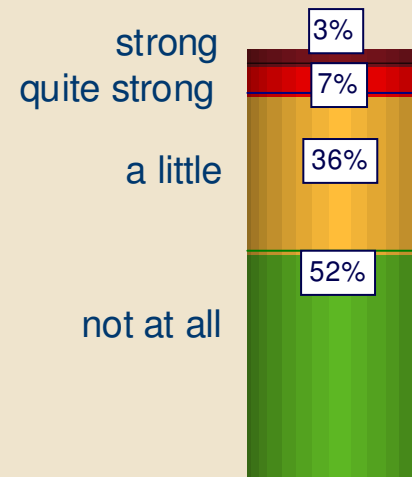
Level of Concern and Impairment with Regard to Electromagnetic Fields

Results 2006

concerns about health risks caused by electromagnetic fields



impairments due to health risks caused by electromagnetic fields

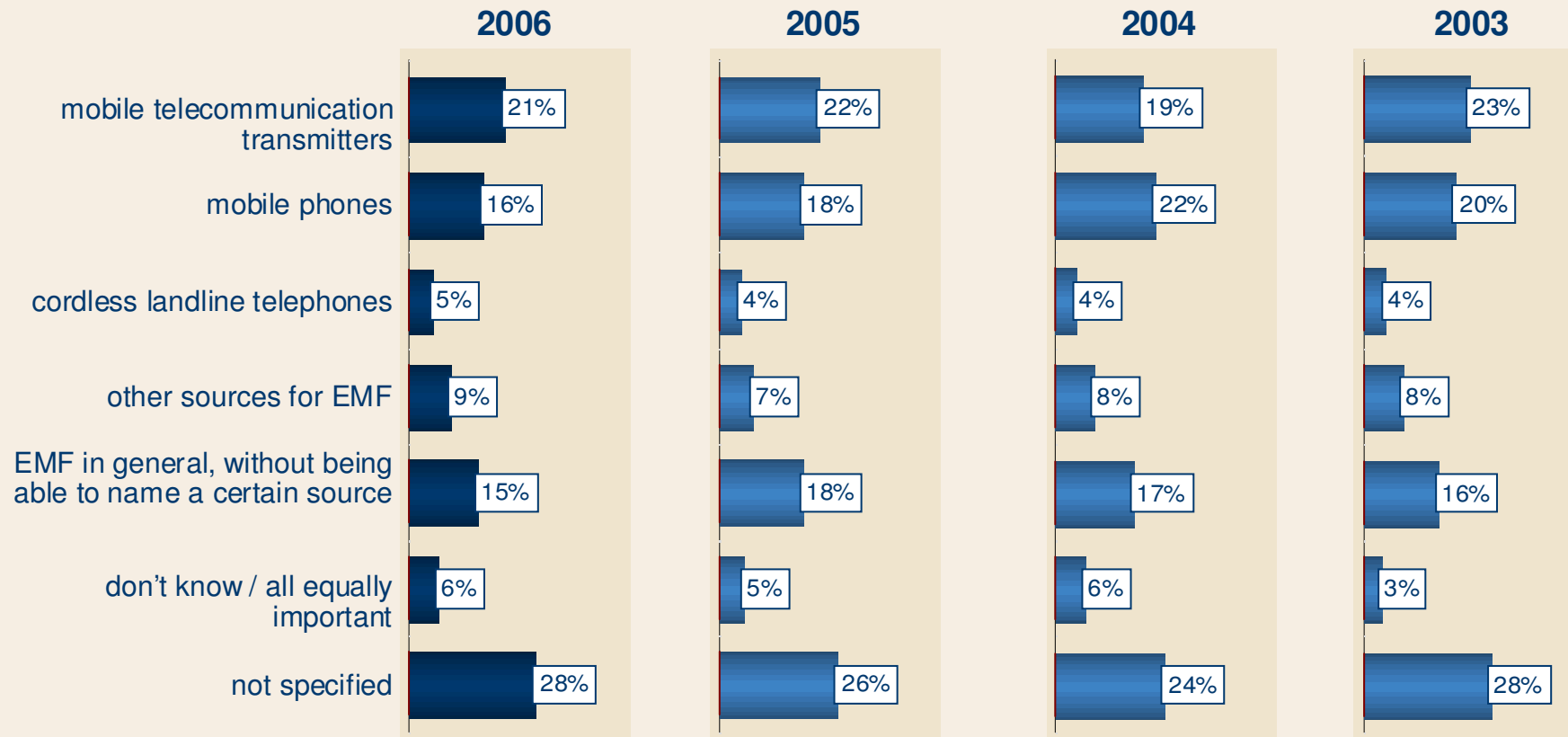


missing to 100%: don't know/no answer

Strongest Source of Concern with Regard to Electromagnetic Fields

strongest source of concern

(Basis: respondents who are at least a little concerned (or more),
proportion overall: 73%)



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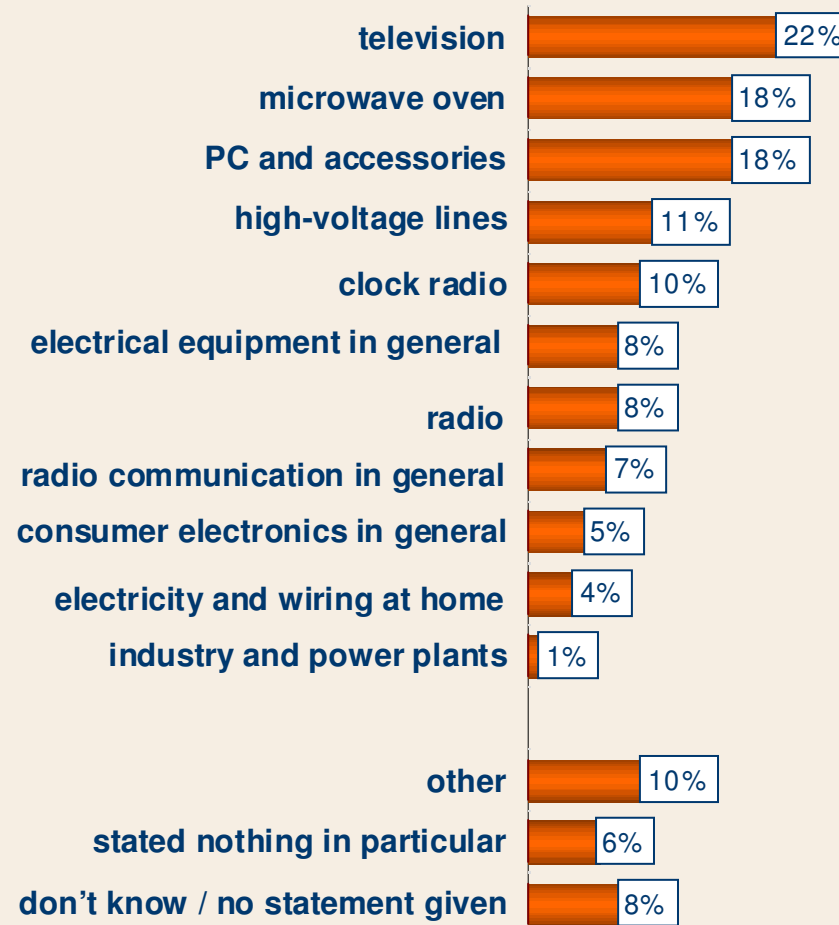
Other Sources for Electromagnetic Fields Stated as Sources of Concern

Results 2006

multiple answers possible (open question)

**Respondents, who are at least a little concerned
(or more) and who state another source of EMF**
(proportion overall: 7%)

**concerns regarding
other sources of EMF**

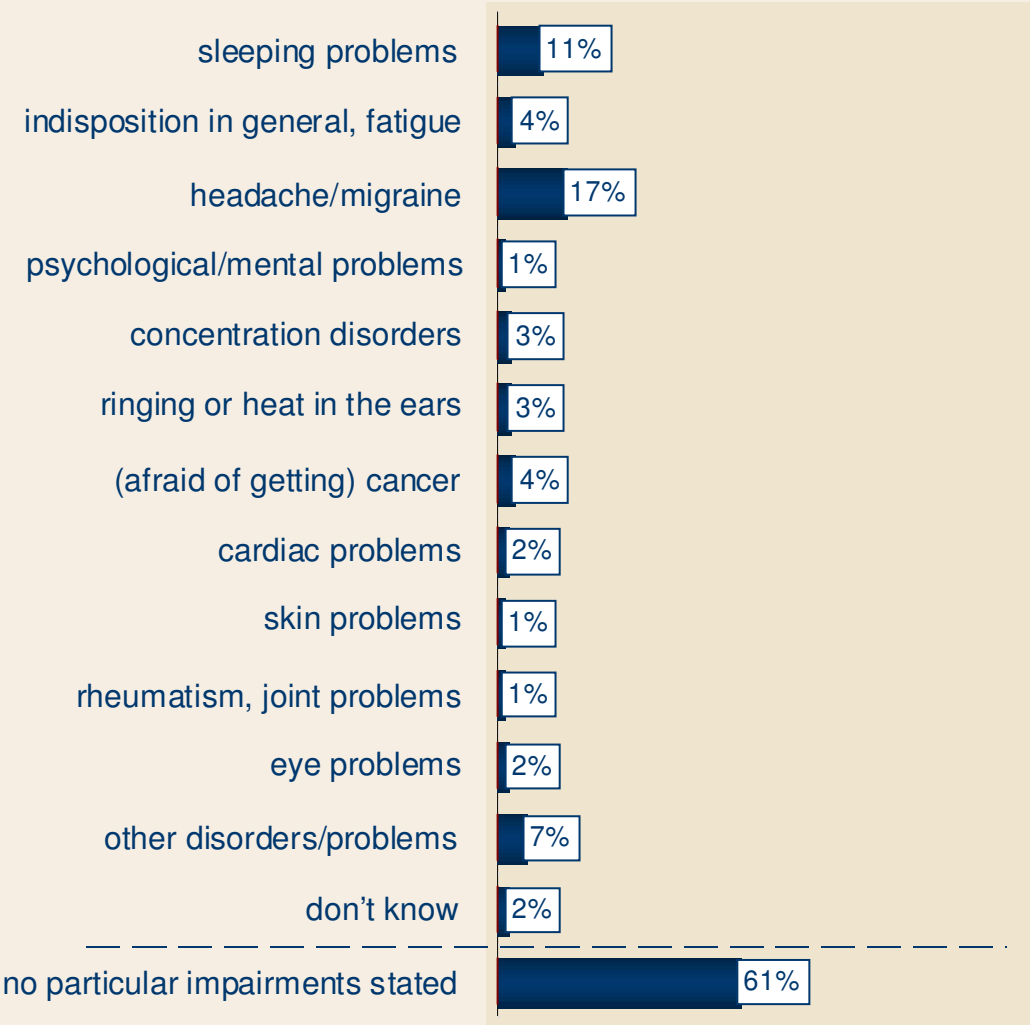


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Kind of Health Impairment that is traced back to EMF

Results 2006

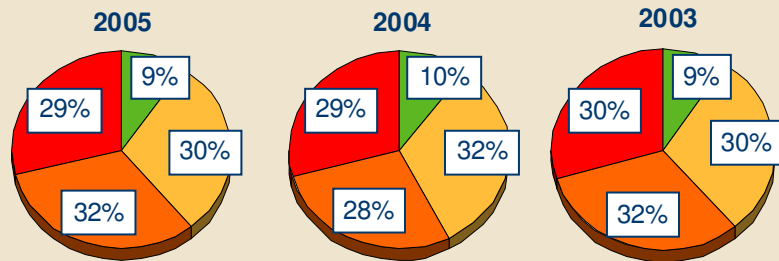
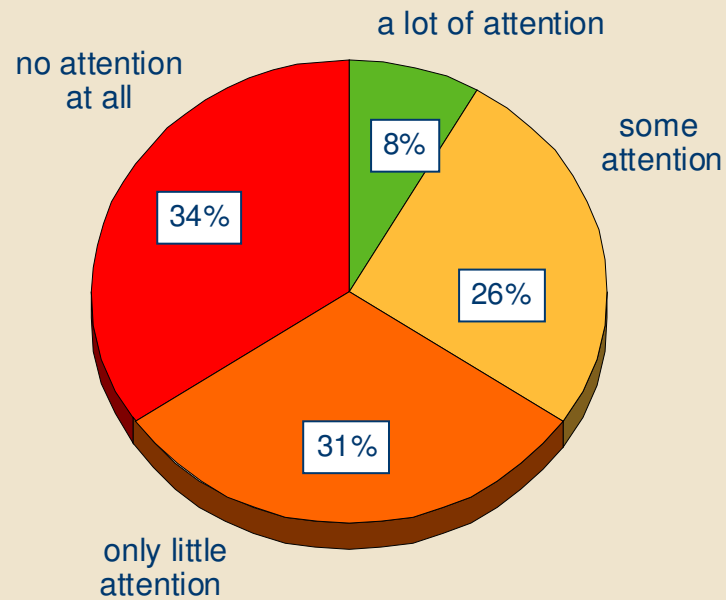
kind of impairment
(Basis: respondents who feel at least a little impaired (or more),
proportion overall: 46%)



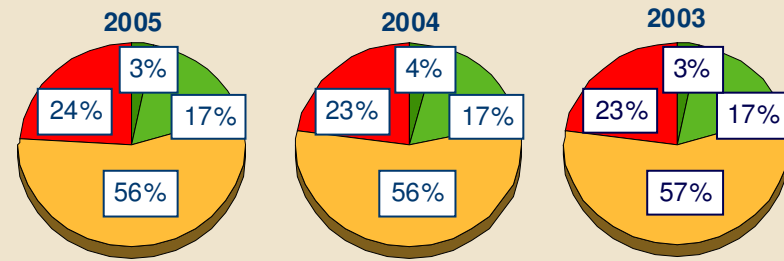
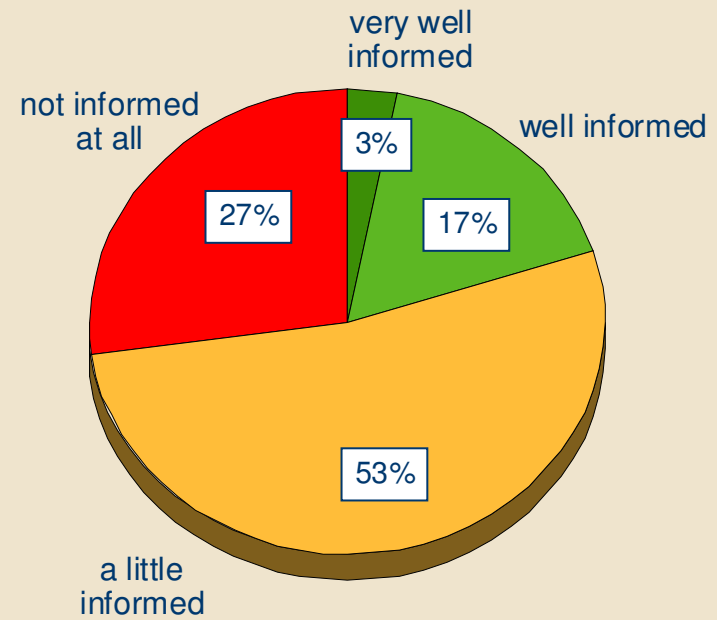
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Public's Level of Information about EMF

Paid any attention to the topic "electromagnetic fields" prior to this survey?



current level of information about electromagnetic fields

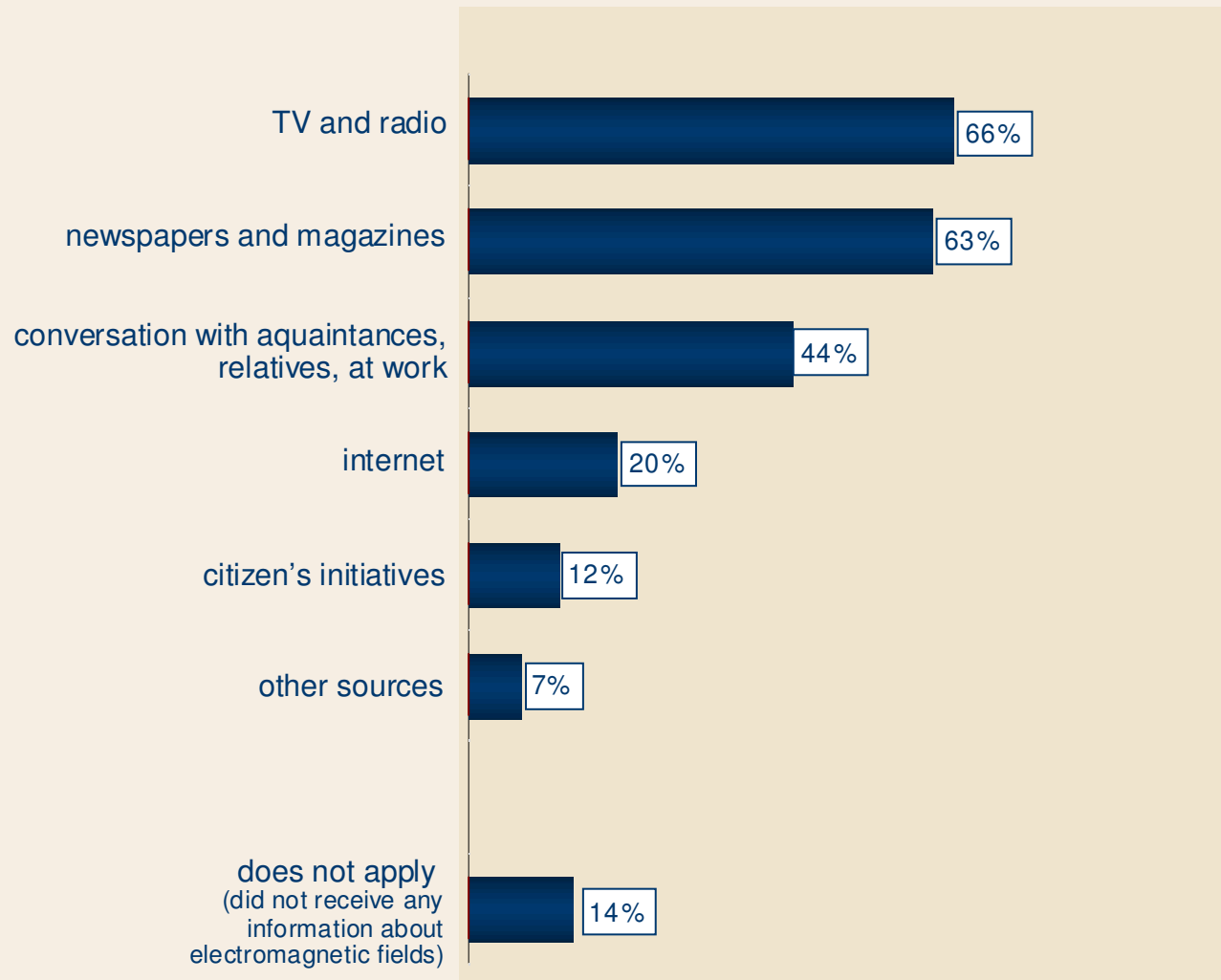


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Sources of Information about Electromagnetic Fields

Results 2006

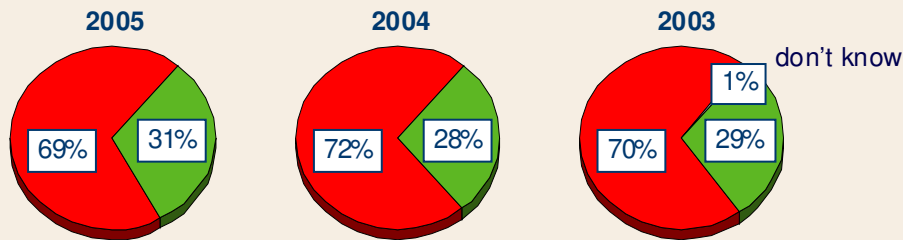
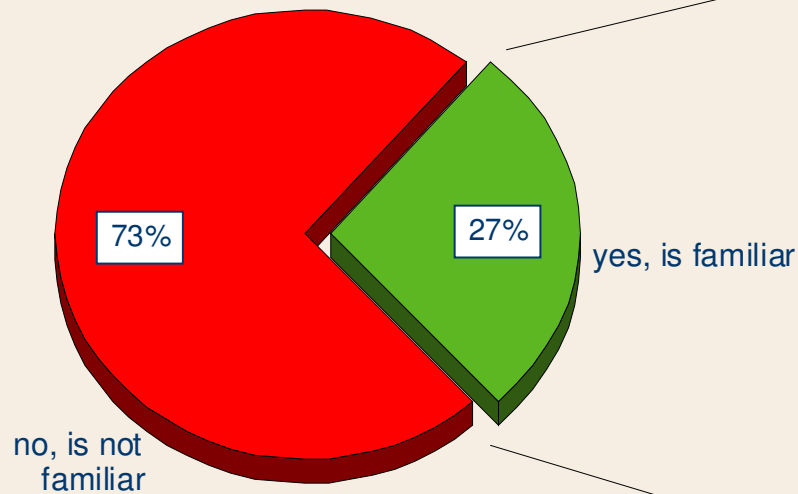
got information about electromagnetic fields from



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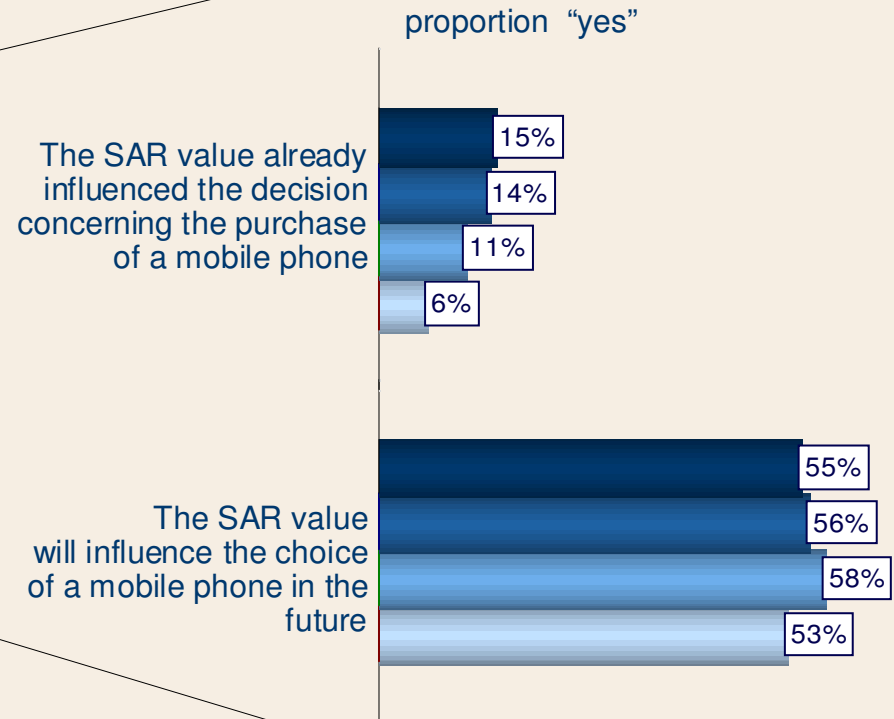
Familiarity with the SAR Value

familiarity of the fact that for each mobile phone the SAR value indicates its radiation intensity



relevance of the SAR value concerning choice of mobile phone

(only if SAR value is familiar)



The SAR value already influenced the decision concerning the purchase of a mobile phone

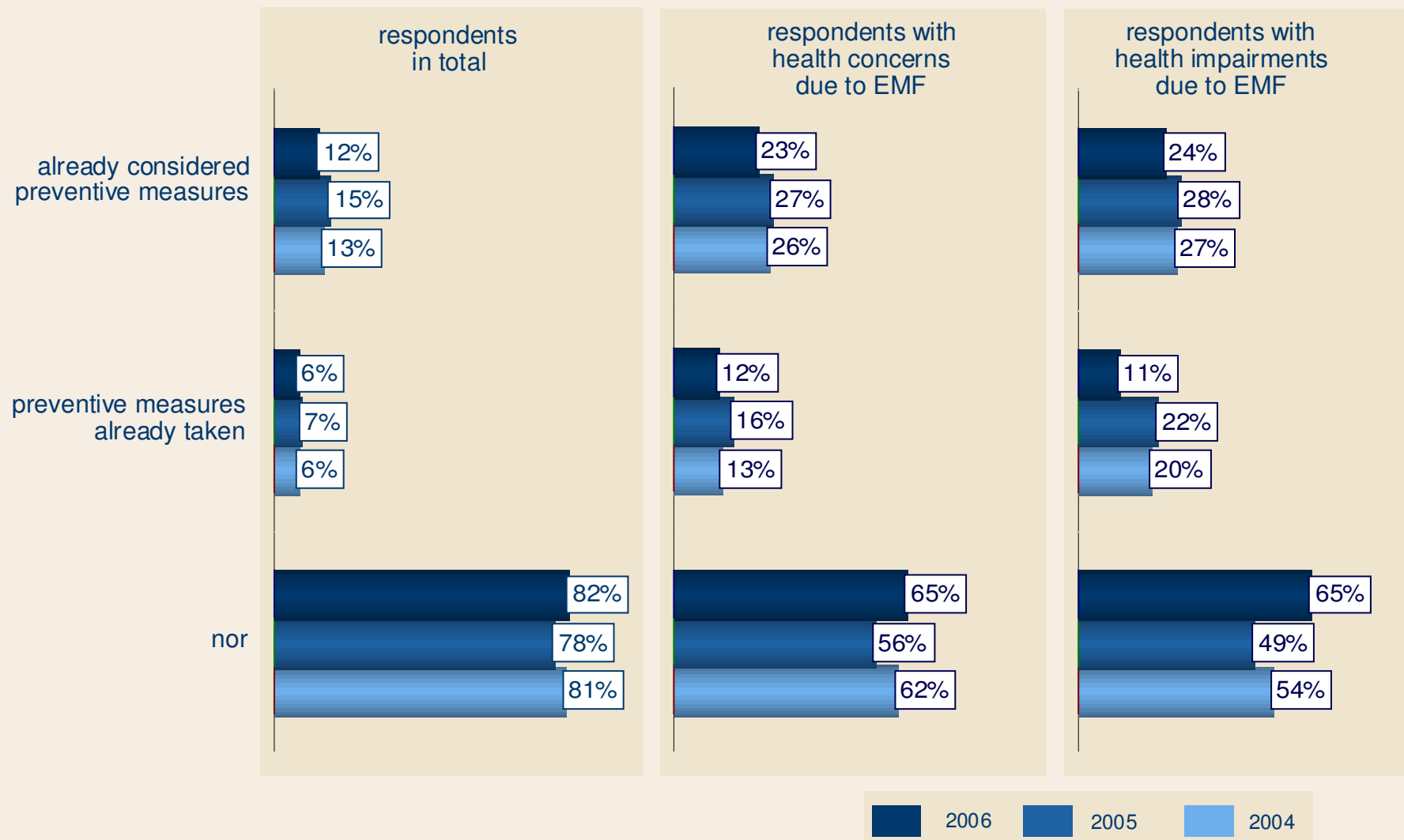
The SAR value will influence the choice of a mobile phone in the future



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Preventive Measures Against Electromagnetic Fields in Everyday Life

preventive measures protecting against electromagnetic fields in everyday life



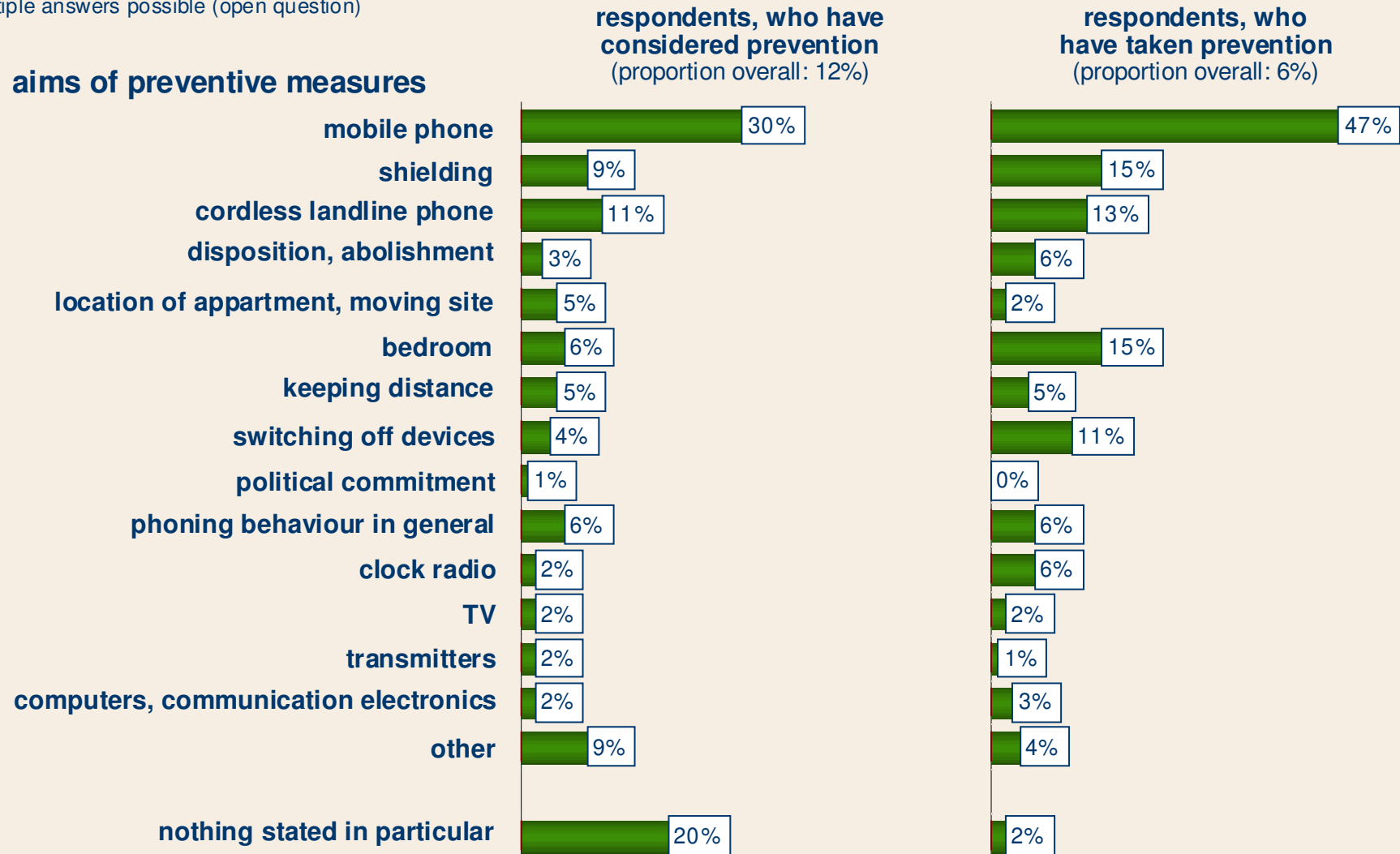
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Aims of Preventive Measures Against Electromagnetic Fields – Considered or Taken

Results 2006

multiple answers possible (open question)

aims of preventive measures



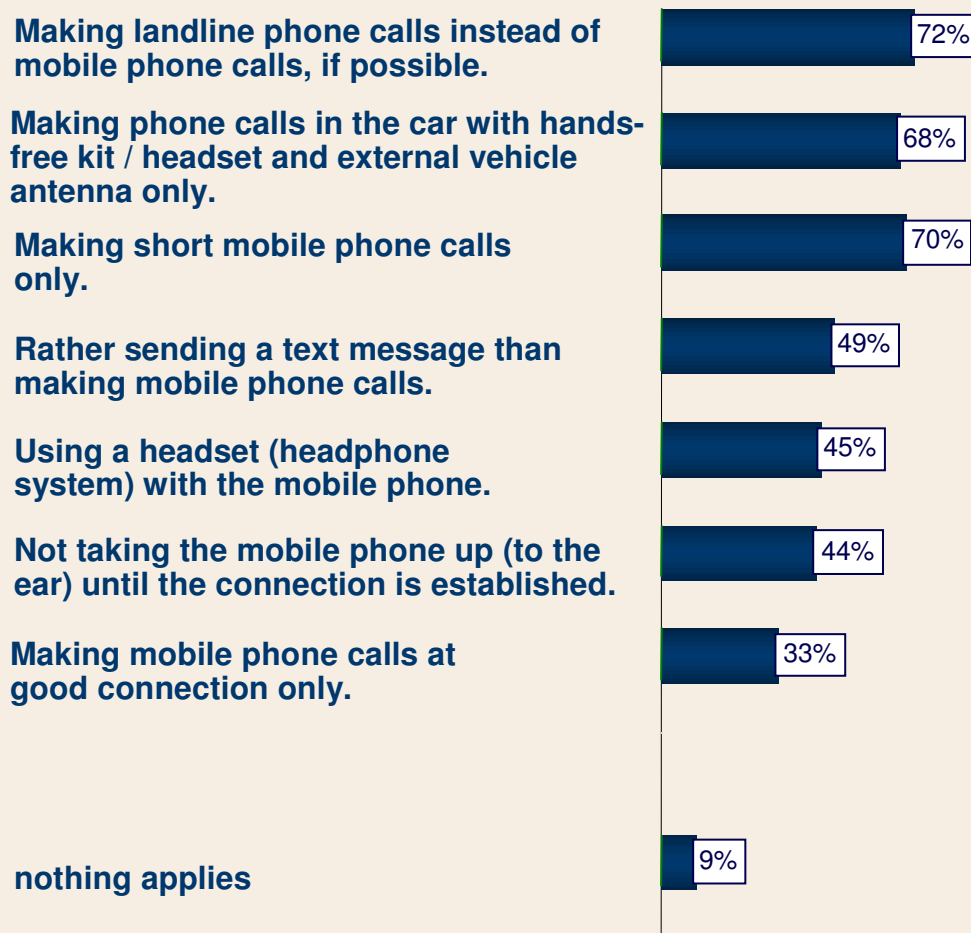
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Familiarity of Particular Preventive Measures Amongst Users of Mobile Phones

Results 2006

basis: all users of mobile phones;
multiple answers possible

share: familiar as preventive measure



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Thank you very much. Time for questions.

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