

The background of the slide is a composite image. The lower portion shows a red brick tower with a dark, conical roof and a weather vane, with the words 'CHARITÉ KRANKENHAUS' visible on its side. The upper portion shows a panoramic view of a city with buildings and a river under a cloudy sky.

Perception and demand of medical students concerning a learning management platform and its tools

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Introduction



- eLearning offerings and blended learning concepts have become a consistent part of medical teaching


Rowe M et al., *Med Teach*, 2012

- Almost every German faculty offers eLearning tools via a particular learning management system (LMS) to its students

Back DA et al., *RIME conference*, 2013

- Not all available tools and functions may be appreciated equally by the individual users

Bygholm A, *Stud Health Technol Inform*, 2009

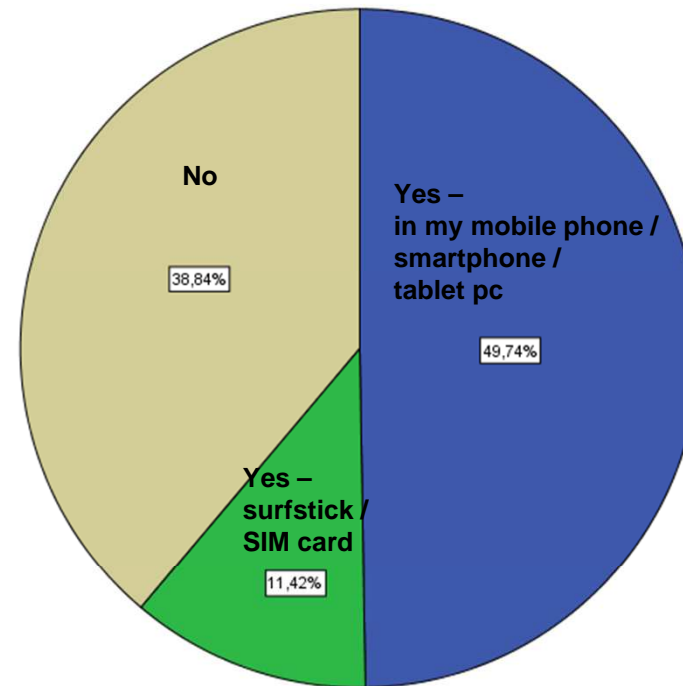
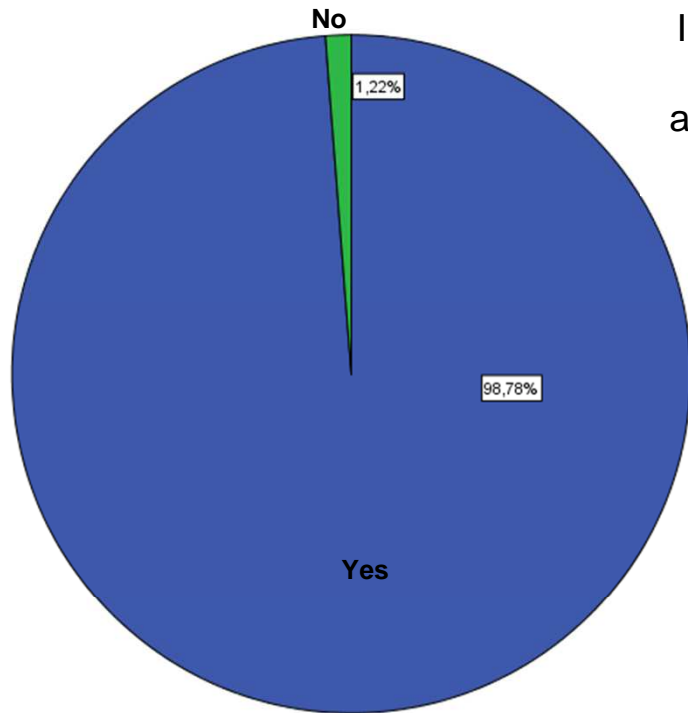
 Presented data analyzed the acceptance of the LMS *Blackboard* and the perception of the offered tools among medical students

Materials and Methods



- Email-based online survey among all students of the Charité Universitätsmedizin Berlin in summer semester 2012
- The questionnaire was created and made available with Survey Monkey® (SurveyMonkey Inc., Oregon, USA)
- Altogether, 30 questions were asked, of which 9 are presented here, covering the LMS Blackboard and eLearning tools.
- Gained data was analyzed with Survey Monkey's® online tools and IBM SPSS Statistics.

Results: Internet access



- 584 students participated in the survey (~ 10% of all Charité students)
- 60% of the participants use mobile internet
- Only 5% use internet less than once daily (mostly: 1-3 hours daily)

LMS Blackboard access

Time spent with the *LMS Blackboard* during the semester...

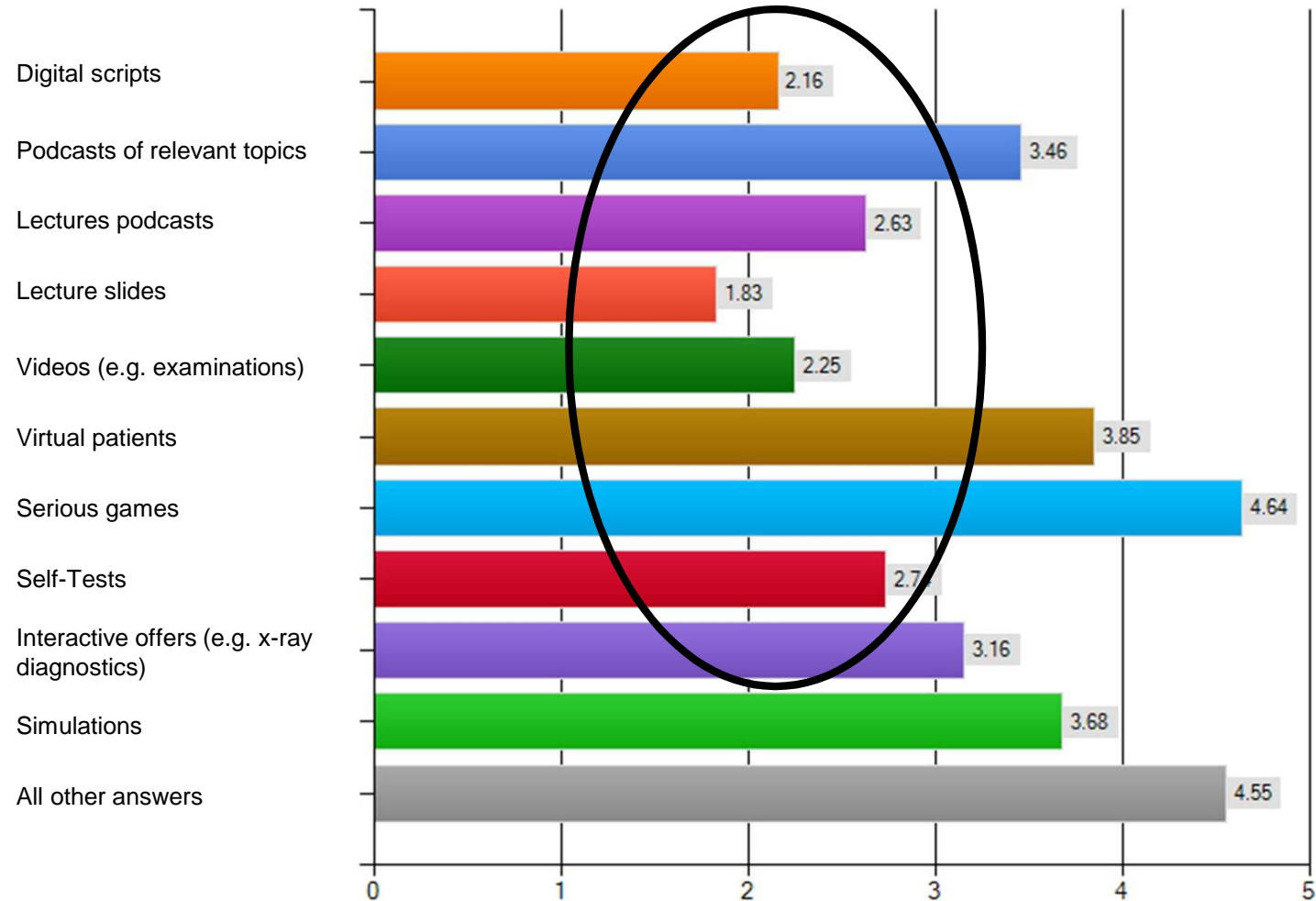


- 38.62% of the students used the LMS daily, 48.32% weekly and only 13.06% less than once a week.

Preferred eLearning tools



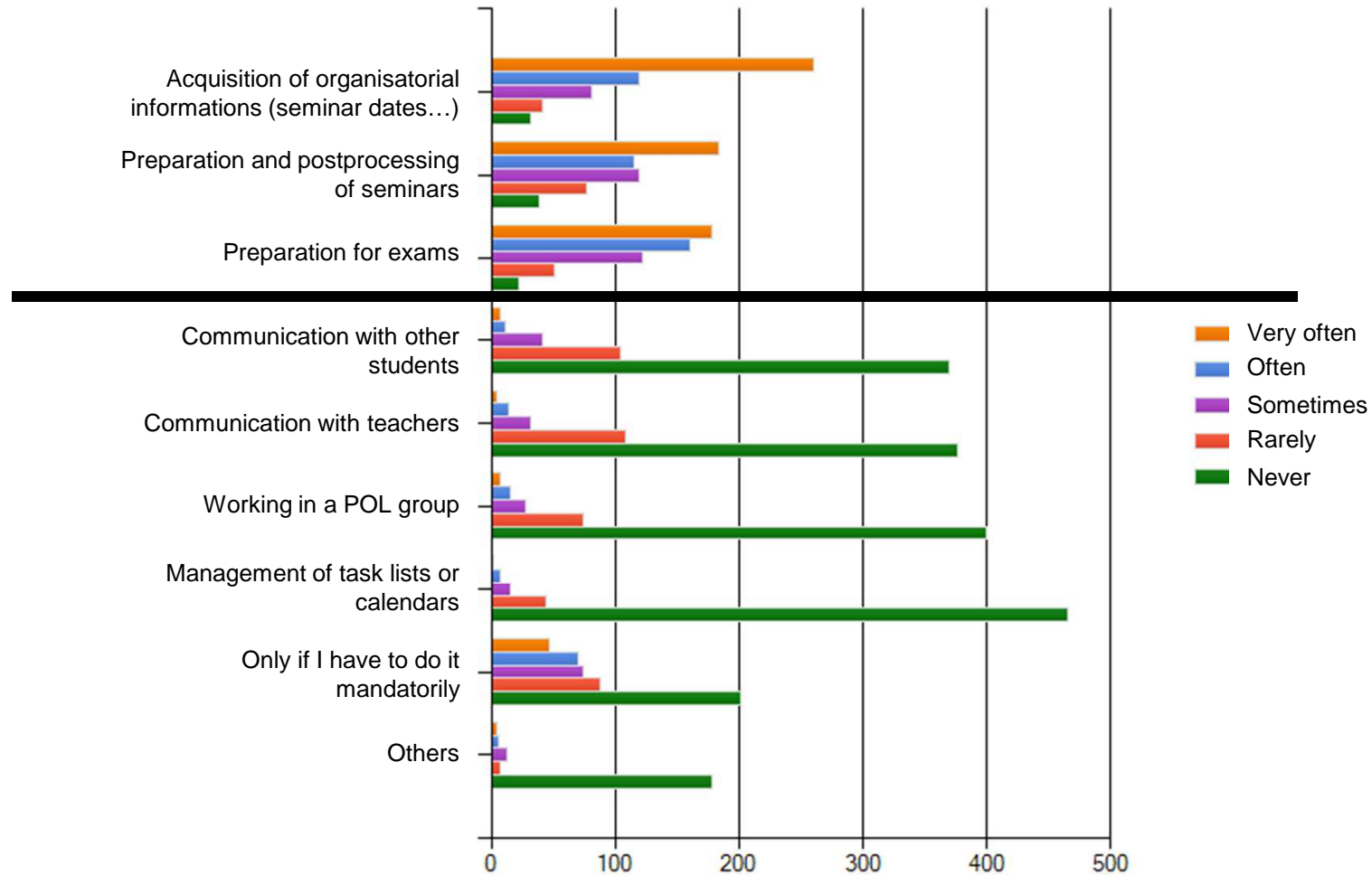
I prefer the following digital media for learning...



Use of the LMS Blackboard



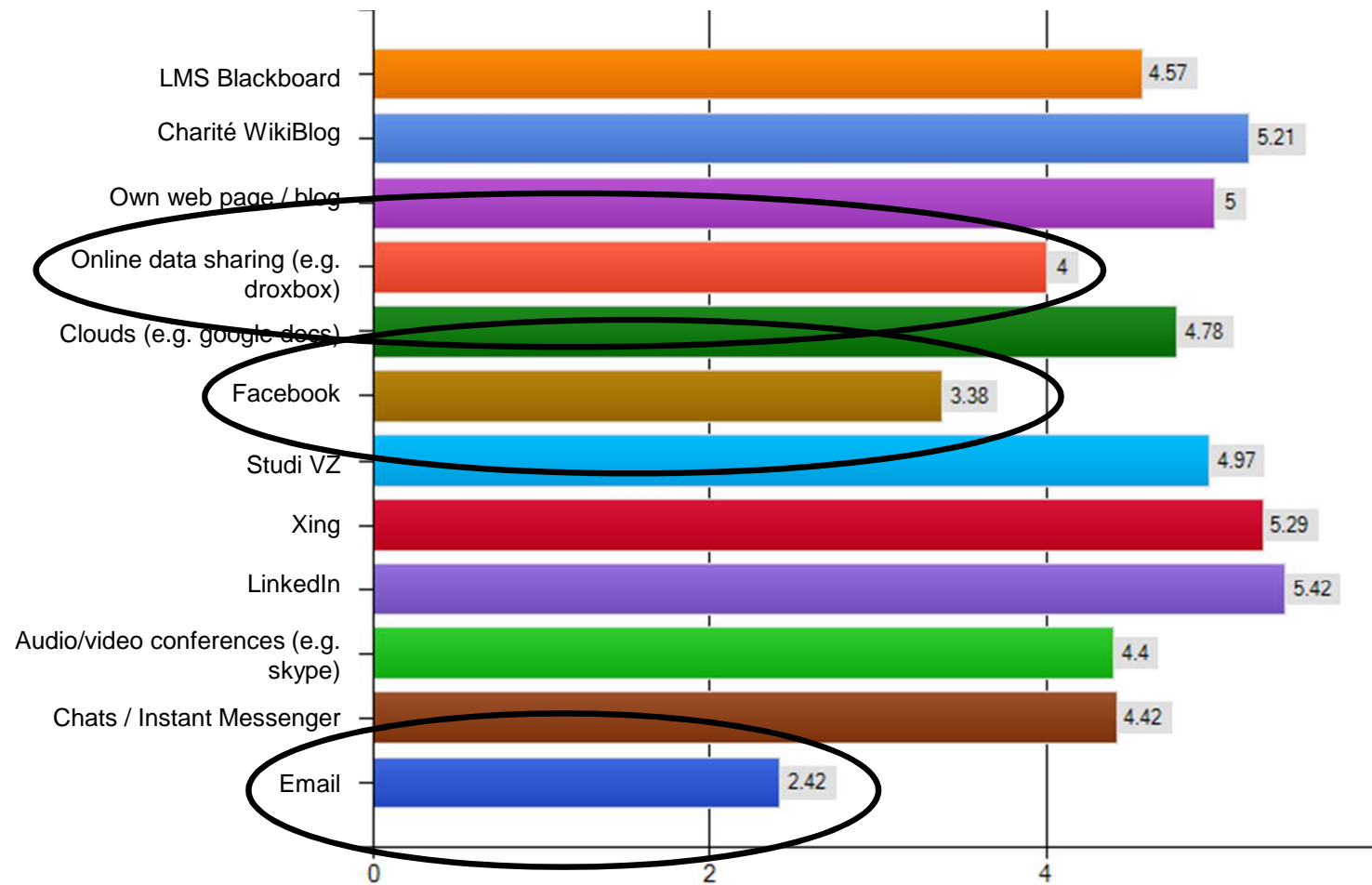
I use the LMS Blackboard especially for...



Social media platforms

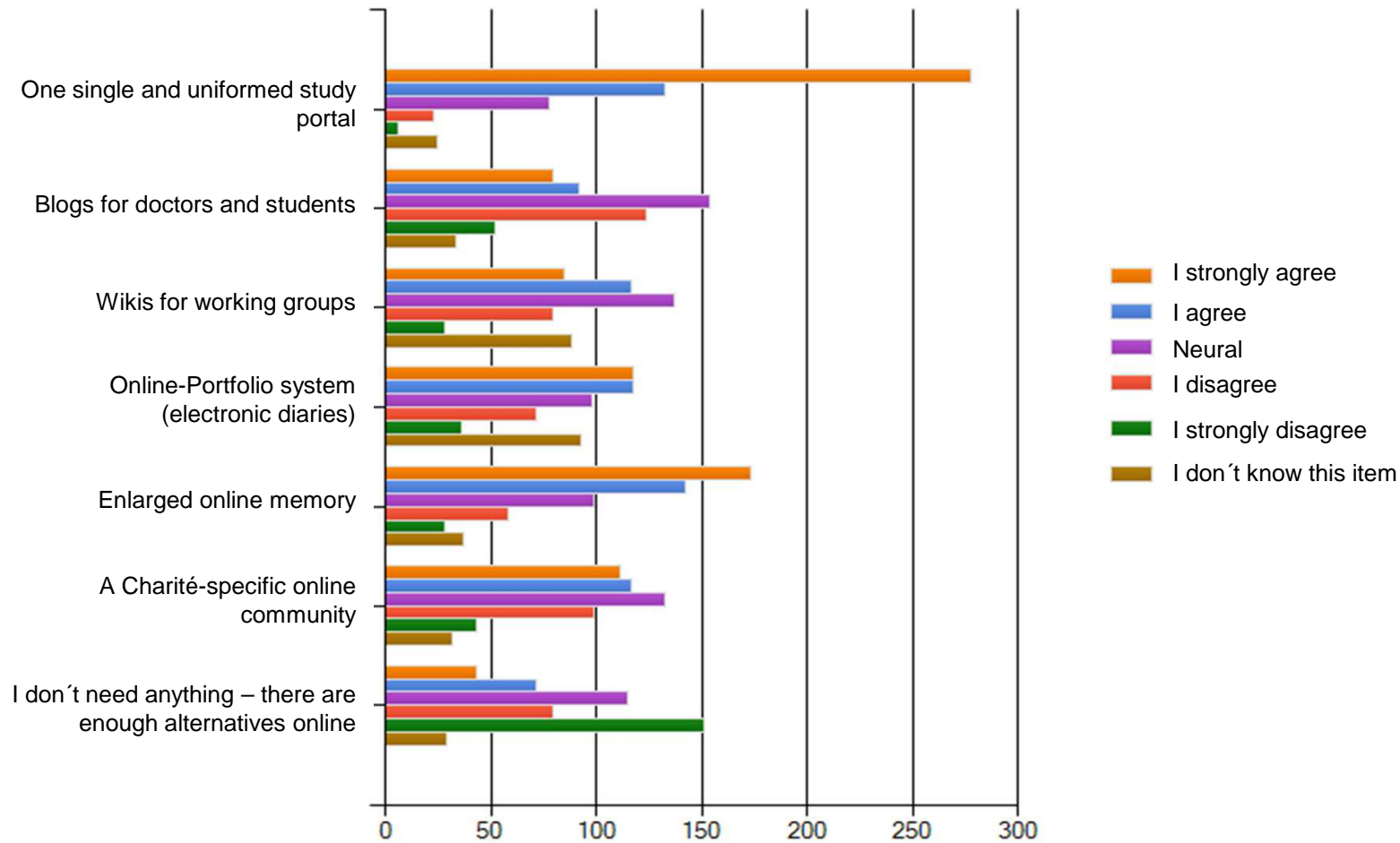


I use the following social-media-platforms to exchange views or to work together with other students...



Online tools needed

The Charité should provide students with the following tools and platforms...



Discussion



- Here presented data will have to be compared to students' attitudes in other national and international medical faculties.
- There is a potential to combine LMS in certain aspects with other existing media/data platforms (Emails before Facebook or Dropbox).
- Few eLearning tools can be seen as preferred "basics" (lecture scripts, videos, online tests), but single tools can be useful for individual offers (e.g. podcasts).
- Some tools need to be proofed for their use in daily study life – despite of being part of the Web 2.0 (e.g. blogs, wikis...).
- However, especially for organizational purposes and the provision of learning materials, the existence of a LMS is highly recommendable.

Take home messages



What teachers and faculties should take this into consideration when establishing new or foster existing LMS and their tools:

1. Use the internet – your students do this as well!
2. You will need a LMS as platform for curriculum data and learning materials!
3. First, cover the basic needs with your LMS and the offered eLearning tools!
4. Be willing to offer further tools (and to do research about future means of teaching) following evidence based medicine!



Thank you for your attention!