
DOCTORAL EDUCATION AT UPPSALA UNIVERSITY

Supervisor Survey 2021

Unit for Quality and Evaluation (KoU)
Division for Quality Enhancement

Aim and selected results

- **The main aim** with this survey is to provide a basis for quality development, by making visible strengths and areas for development within the doctoral education programmes. In the questionnaire, questions are posed about supervision and the doctoral education environment, pedagogical training and support in supervision, individual study plan, qualitative targets, strengths, areas for development and suggestions for improving the doctoral education in which they supervise.
- The supervisor survey is a **follow-up of the 2016 doctoral education study**. A corresponding survey has been answered by the University's doctoral students.
- In this introduction to the study, a **selection of descriptive results** from the supervisor survey is presented at University level.* Distribution of responses to all quantitative questions are reported in the attached result report.
- **Result reports on departmental level** are available for departments with 10 respondents or more.
- These results will supplement answers from the doctoral student survey in an **in-depth university-wide report** of the doctoral education.

* The sum of combined response alternatives is based on the percentages presented in the figures, which in some cases leads to rounding deviations.

Respondent distribution

- The survey was open mid November to mid December 2021
- Mailing population: **1707** supervisors of doctoral students registered in Ladok spring semester 2021
- Response rate: **51 %**
 - *Humsam* 56 %
 - *Medfarm* 47 %
 - *Teknat* 52 %
- Representativity: The respondents are evenly distributed across the three disciplinary domains and largely represents the staff structure for relevant employee categories at Uppsala University. The gender distribution of the respondents corresponds to the gender distribution of these same employee categories.*

Respondent characteristics

- There are more **male** (58 %) than female (41 %) responding supervisors (question 1).
- A majority of the supervisors (57 %) have a **doctoral degree from Uppsala University**, while 20 % have an international doctoral degree (question 4).
- The largest proportion of responding supervisors are professors (40 %), and 37 % are docents/associate professors (question 5).
- In addition to their research/teaching at Uppsala University, 17 % of the respondents are also active in a **clinical environment** (e.g. within the medical care system). One in ten is also active at **another higher education institution** (in or outside of Sweden, question 7).
- Just over half of the supervisors (57 %) currently supervise 1-2 doctoral students as main supervisors (question 8).

Overall satisfaction

- 82 % of the responding supervisors are fairly or very satisfied with **the doctoral education within which they are active** as supervisors (question 29c).
- 76 % are fairly or very satisfied with **their potential for serving as a supervisor at Uppsala University** (question 29b).
- 88 % are fairly or very satisfied with **the effort they put into their supervision** (question 29a).

COVID-19

- The majority (57 %) state that the COVID-19 pandemic **neither has impacted their supervision positively nor negatively**, while 37 % state that the pandemic has mostly impacted the supervision **negatively** (question 31).

Supervision and doctoral education environment

- The supervisors state that during the supervision they to a fairly or very high degree discuss **the doctoral students' research findings** (90 %), **design of the research project** (89 %) and **method** (88 %, questions 11d, a and b).
- 86 % of the responding supervisors feel that the supervision to a fairly or very high degree **promotes the doctoral students' critical thinking** (question 12).
- The majority of the supervisors (84 %) feel that they **can live up to the demands and expectations placed on them as supervisors** (question 14).
 - The most common reasons for feeling that one can not live up to the demands and expectations are **too high total workload** and **too scattered work situation** (question 14b, alternatives b and c).
- A low proportion (8 %) experience **negative stress in relation to their supervision** to a fairly high or very high degree (question 15).
- 38 % discuss **the doctoral students' future career** with the doctoral students to a fairly high or very high degree, and 44 % state that they discuss this to some degree with the doctoral students (question 16).

Seminars

- The majority of the supervisors (69 %) in doctoral education environments where seminars are held **most often participate** in these (question 18).

Pedagogical training and support in supervision

- 78 % of the supervisors have **attended a supervisor training course at Uppsala University** and 20 % at another higher education institution, while one in ten have not attended any supervisor training course (question 19, multiple-choice question).
- 89 % of those who have attended a supervisor training course state that it has **been useful** to a some or a high degree, and 12 % state that it has **not been useful** (question 20).
- 17 % of the respondents feel to a fairly high or very high degree that they have a need for **additional training for supervision of doctoral students**, and 40 % feel this to some degree (question 21).

Supervisor meetings (handledarkollegium)

- Just over half of the respondents (52 %) state that there are **supervisor meetings** at their department/section/research group, while the rest answer that it does not exist or that they do not know (question 22).

Individual study plan

- A predominant majority of the supervisors (82 %) state that the individual study plan has **been followed up in discussion between the supervisor and the doctoral student**, while 14 % state that it was mostly a formality and was done without discussion (question 23).
- Almost half of the supervisors feel that the individual study plan is **useful planning tool for doctoral studies** and that it **gives control of whether the doctoral studies are progressing as they should** (questions 24a and b).

Qualitative targets for doctoral education

- 91 % of the supervisors state that they to some or a high degree **are familiar** with the qualitative targets for third-cycle/doctoral education listed in the Higher Education Ordinance (question 25).
 - The targets that the supervisors feel that the doctoral students have been given the highest opportunity to develop within the framework for the doctoral education are: **specialised and up-to-date knowledge within a limited part of the research domain, ability for scientific analysis and synthesis and knowledge of scientific methodology in the specific research domain** (question 26, 27 and 28).
 - The targets that the supervisors feel that the doctoral students have been given less opportunity to develop within the framework for the doctoral education are: **present and discuss research findings outside of academia, contribute to society's advancement through research and education and support the learning of others through research and education** (question 26, 27 and 28).

Contact information

If you have any questions, please contact the Unit for Quality and Evaluation

Survey KoU survey.kou@uu.se

Additional information about the survey (including questionnaires) is available
in the Staff portal (Medarbetarportalen)

[Information på svenska/Information in English](#)

Doctoral Education at Uppsala University

Supervisor Survey 2021

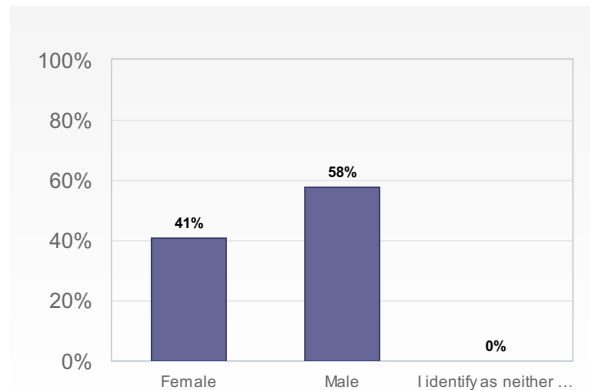
UPPSALA UNIVERSITY
(TOTAL)

Supervisor Survey 2021

Mailing population: 1707
 Answer Count: 874
 Answer Frequency: 51 %

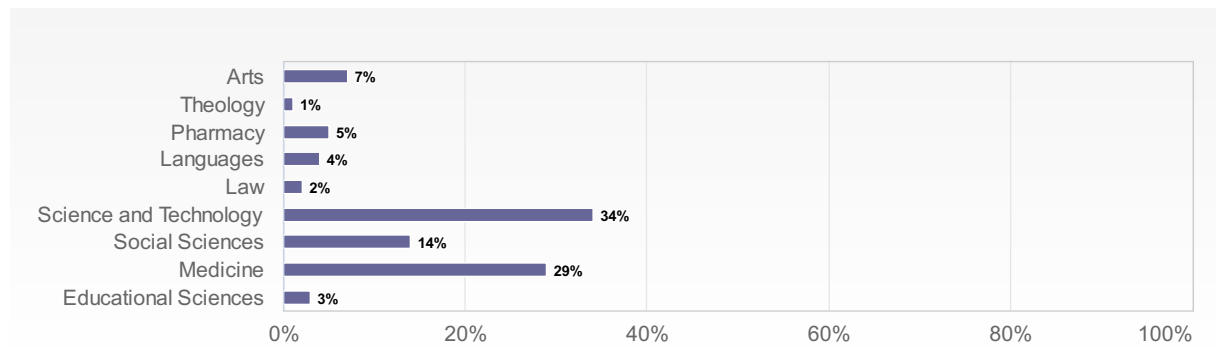
BACKGROUND

1 Gender identity



Gender identity	Number of responses	Distribution (%)
Female	359	41%
Male	504	58%
I identify as neither male nor female	4	0%
Total	867	100%

2 Within which faculty at Uppsala University are you primarily active as a supervisor of doctoral students? (Choose only one alternative.)

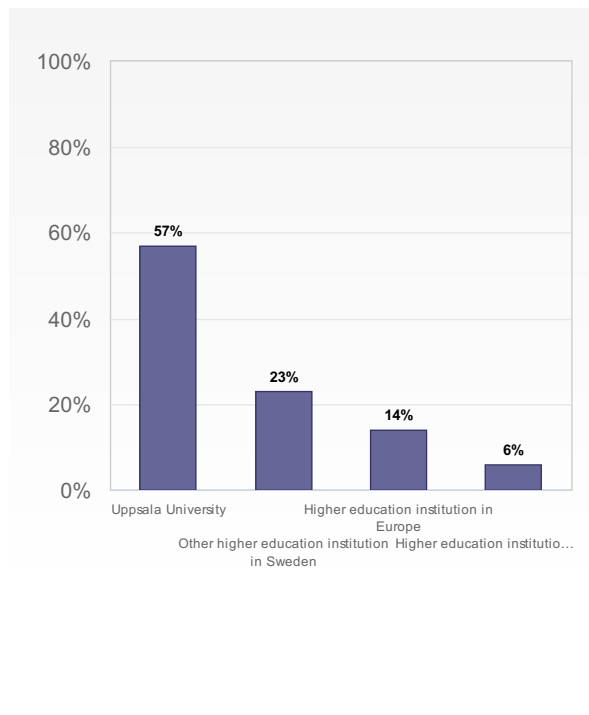


Within which faculty at Uppsala University are you primarily active as a supervisor of doctoral students? (Choose only one alternative.)	Number of responses	Distribution (%)
Arts	62	7%
Theology	10	1%
Pharmacy	44	5%
Languages	37	4%
Law	15	2%
Science and Technology	295	34%
Social Sciences	124	14%
Medicine	253	29%
Educational Sciences	30	3%
Total	870	100%

3 Within which department/equivalent are you *primarily* active as a supervisor of doctoral students?

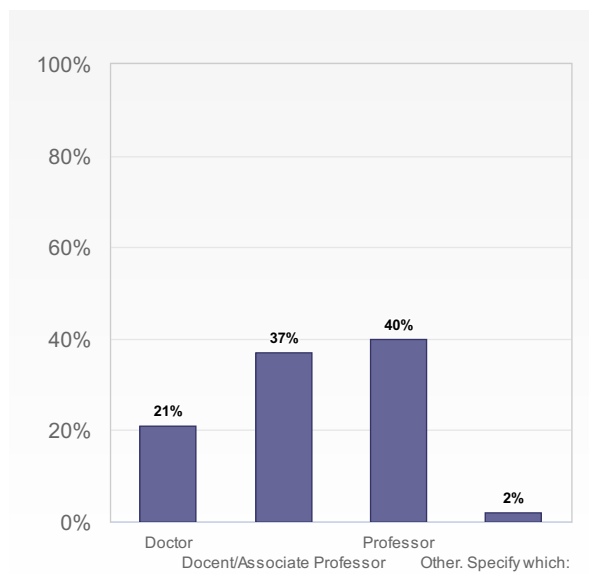
Within which department/equivalent are you <i>primarily</i> active as a supervisor of doctoral students?	Number of responses	Distribution (%)
Department of Theology	9	1%
Department of Law	10	1%
Department of ALM	3	0%
Department of Archaeology and Ancient History	12	1%
Department of Philosophy	5	1%
Department of History	9	1%
Department of History of Science and Ideas	5	1%
Department of Art History	4	0%
Department of Cultural Anthropology and Ethnology	6	1%
Department of Literature	4	0%
Department of Musicology	2	0%
Department of Game Design	0	0%
Department of English	8	1%
Department of Linguistics and Philology	15	2%
Department of Modern Languages	6	1%
Department of Scandinavian Languages	7	1%
Department of Economic History	9	1%
Department of Peace and Conflict Research	11	1%
Department of Business Studies	19	2%
Department of Informatics and Media	14	2%
Department of Food, Nutrition and Dietetics	6	1%
Department of Social and Economic Geography	7	1%
Department of Economics	16	2%
Department of Psychology	9	1%
Department of Sociology	11	1%
Department of Statistics	5	1%
Department of Government	8	1%
Department of Education	29	4%
Department of Public Health and Caring Sciences	23	3%
Department of Immunology, Genetics and Pathology	35	4%
Department of Surgical Sciences	50	6%
Department of Women's and Children's Health	34	4%
Department of Medical Biochemistry and Microbiology	23	3%
Department of Medical Cell Biology	10	1%
Department of Medical Sciences	38	5%
Department of Neuroscience	25	3%
Department of Pharmaceutical Biosciences	19	2%
Department of Pharmacy	15	2%
Department of Medicinal Chemistry	8	1%
Department of Information Technology	32	4%
Department of Mathematics	11	1%
Department of Physics and Astronomy	50	6%
Department of Electrical Engineering	10	1%
Department of Materials Science and Engineering	32	4%
Department of Civil and Industrial Engineering	12	1%
Department of Chemistry - BMC	14	2%
Department of Chemistry - Ångström Laboratory	34	4%
Biology Education Centre	0	0%
Department of Cell and Molecular Biology	11	1%
Department of Ecology and Genetics	22	3%
Department of Organismal Biology	21	3%
Department of Earth Sciences	25	3%
Other, please specify:	24	3%
Total	827	100%

4 Where did you receive your doctorate?



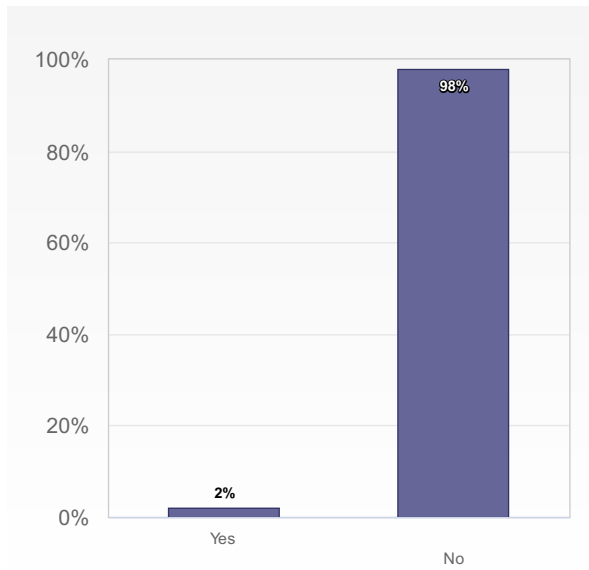
Where did you receive your doctorate?	Number of responses	Distribution (%)
Uppsala University	493	57%
Other higher education institution in Sweden	203	23%
Higher education institution in Europe	118	14%
Higher education institution outside of Europe	56	6%
Total	870	100%

5 What is your academic title?



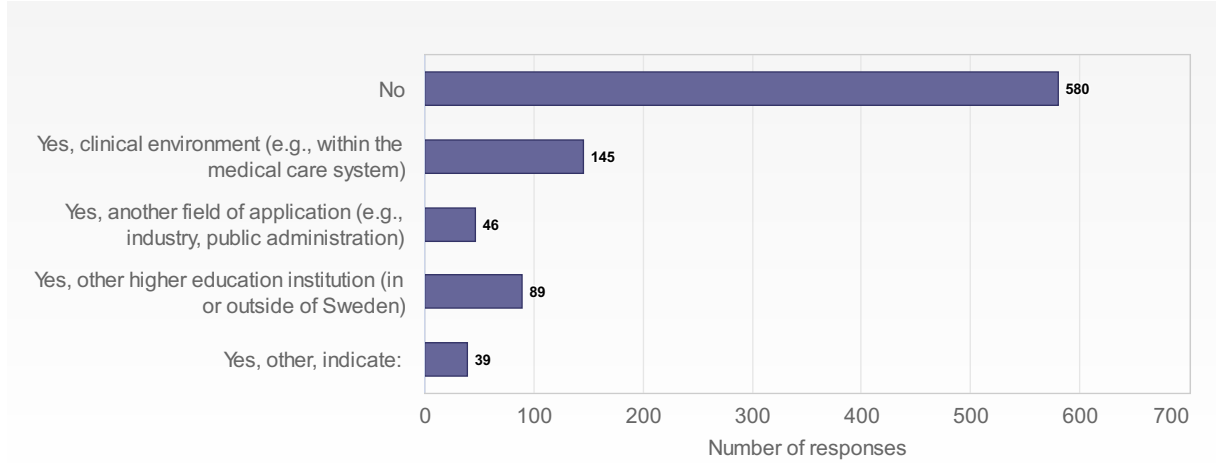
What is your academic title?	Number of responses	Distribution (%)
Doctor	182	21%
Docent/Associate Professor	326	37%
Professor	347	40%
Other. Specify which:	15	2%
Total	870	100%

6 Is your place of work primarily located at Campus Gotland?



Is your place of work primarily located at Campus Gotland?	Number of responses	Distribution (%)
Yes	15	2%
No	849	98%
Total	864	100%

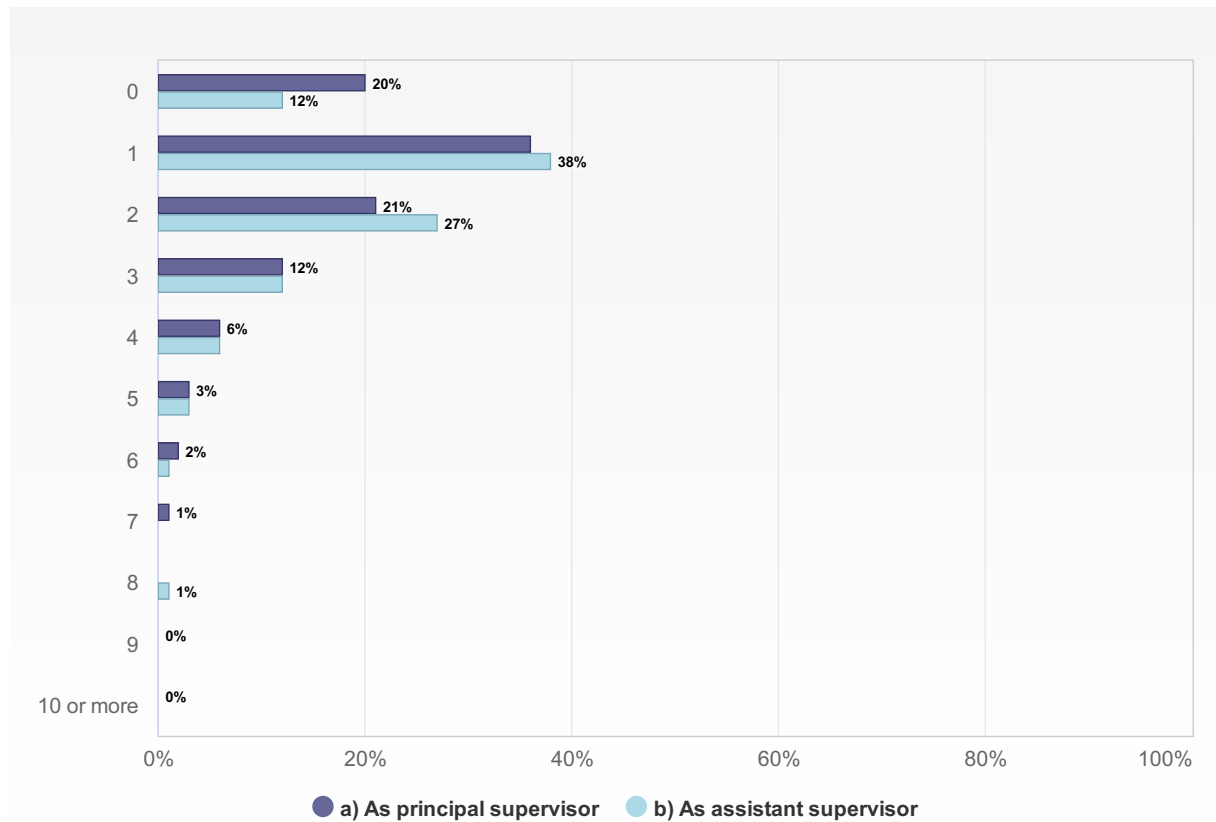
7 In addition to your research/teaching (including supervision) at Uppsala University, are you also active within some other environment as listed below? (Multiple choice)



In addition to your research/teaching (including supervision) at Uppsala University, are you also active within some other environment as listed below?	Number of responses	Distribution (%)
No	580	67%
Yes, clinical environment (e.g., within the medical care system)	145	17%
Yes, another field of application (e.g., industry, public administration)	46	5%
Yes, other higher education institution (in or outside of Sweden)	89	10%
Yes, other, indicate:	39	4%
Total	899	104%

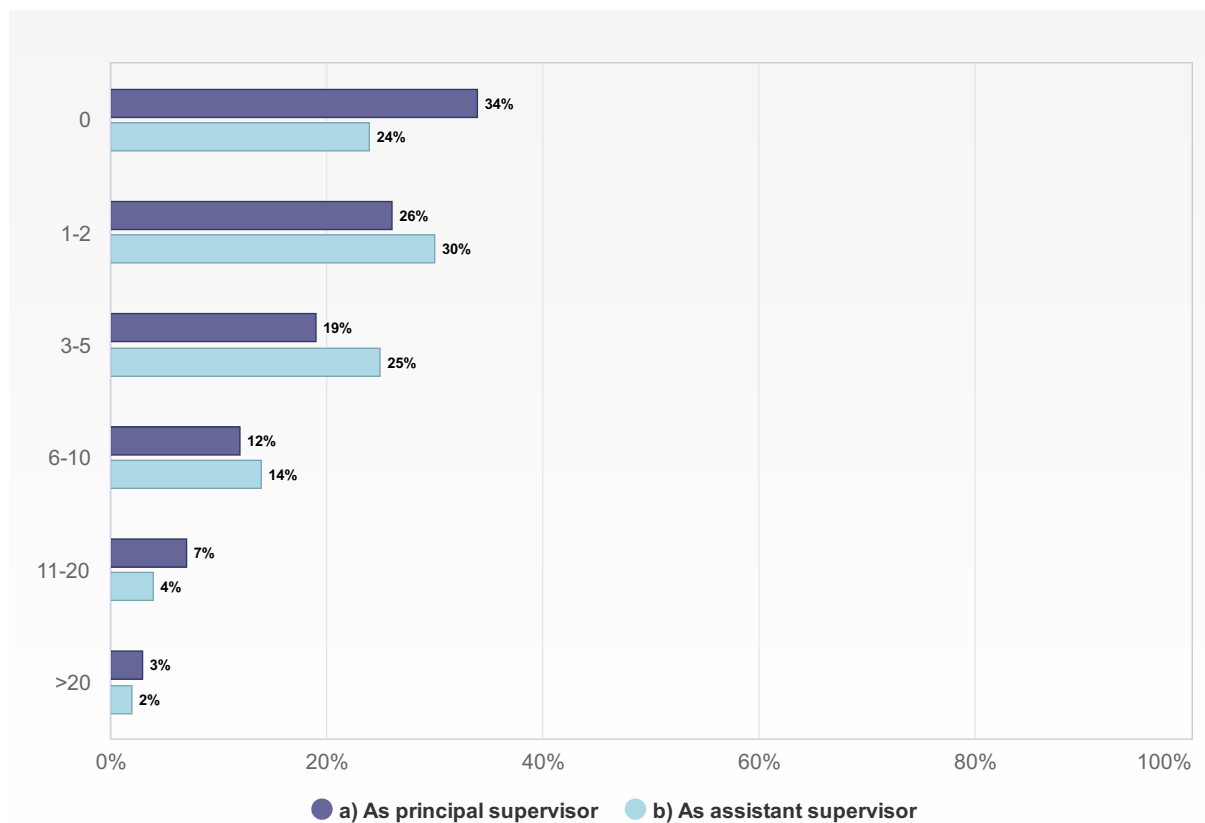
SUPERVISION AND DOCTORAL EDUCATION ENVIRONMENT

8 How many doctoral students accepted to doctoral education at Uppsala University are you currently supervising?



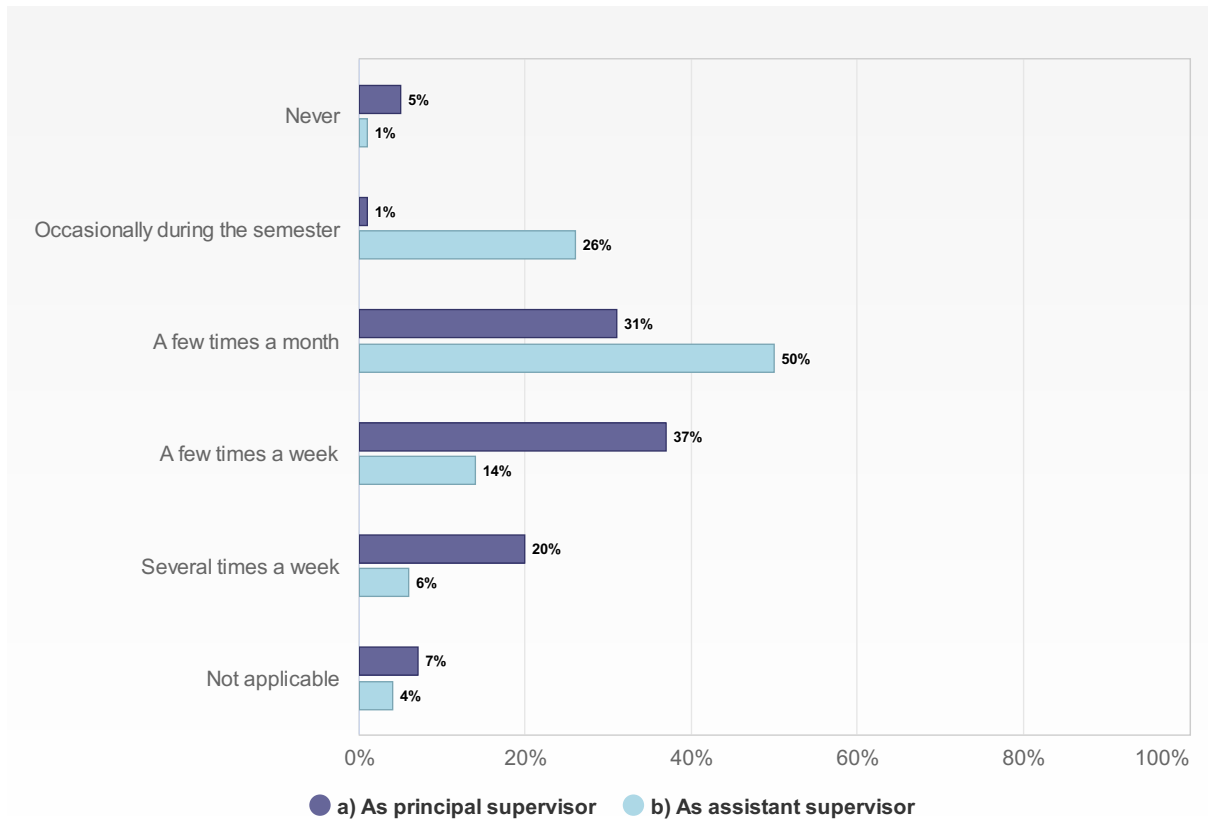
a) As principal supervisor	Number of responses	Distribution (%)
0	154	20%
1	277	36%
2	162	21%
3	94	12%
4	47	6%
5	24	3%
6	13	2%
7	4	1%
8	3	0%
9	1	0%
10 or more	0	0%
Total	779	100%
b) As assistant supervisor	Number of responses	Distribution (%)
0	92	12%
1	298	38%
2	208	27%
3	92	12%
4	45	6%
5	22	3%
6	10	1%
7	1	0%
8	4	1%
9	1	0%
10 or more	2	0%
Total	775	100%

9 How many doctoral students have you supervised *through completing their doctoral degree*?



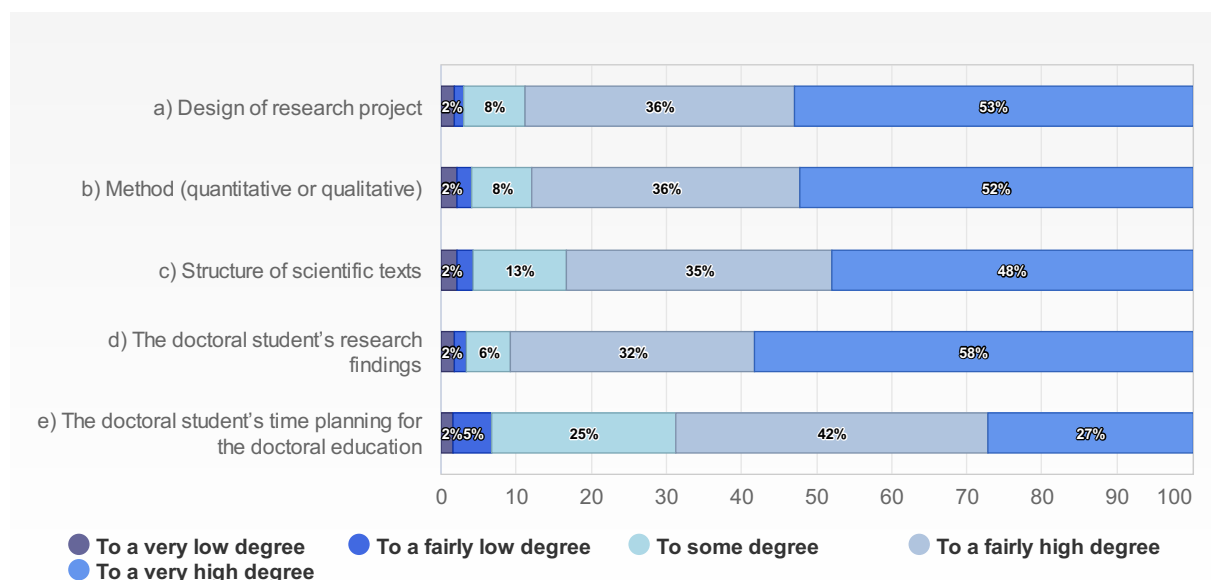
a) As principal supervisor	Number of responses	Distribution (%)
0	270	34%
1-2	209	26%
3-5	149	19%
6-10	92	12%
11-20	53	7%
>20	20	3%
Total	793	100%
b) As assistant supervisor	Number of responses	Distribution (%)
0	193	24%
1-2	244	31%
3-5	200	25%
6-10	116	15%
11-20	31	4%
>20	16	2%
Total	800	100%

10 How often do you normally meet for supervision with your doctoral student(s)?



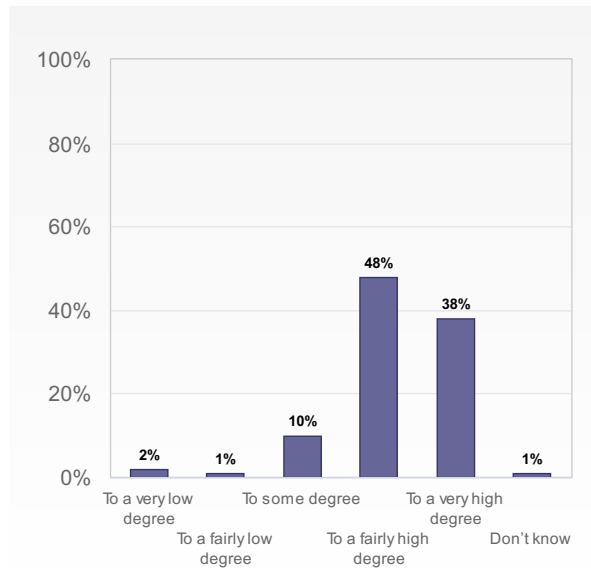
a) As principal supervisor	Number of responses	Distribution (%)
Never	38	5%
Occasionally during the semester	9	1%
A few times a month	237	31%
A few times a week	285	37%
Several times a week	155	20%
Not applicable	52	7%
Total	776	100%
b) As assistant supervisor	Number of responses	Distribution (%)
Never	9	1%
Occasionally during the semester	208	26%
A few times a month	402	50%
A few times a week	109	14%
Several times a week	46	6%
Not applicable	33	4%
Total	807	100%

11 To what degree do you and your doctoral student(s) overall discuss the following aspects of supervision?



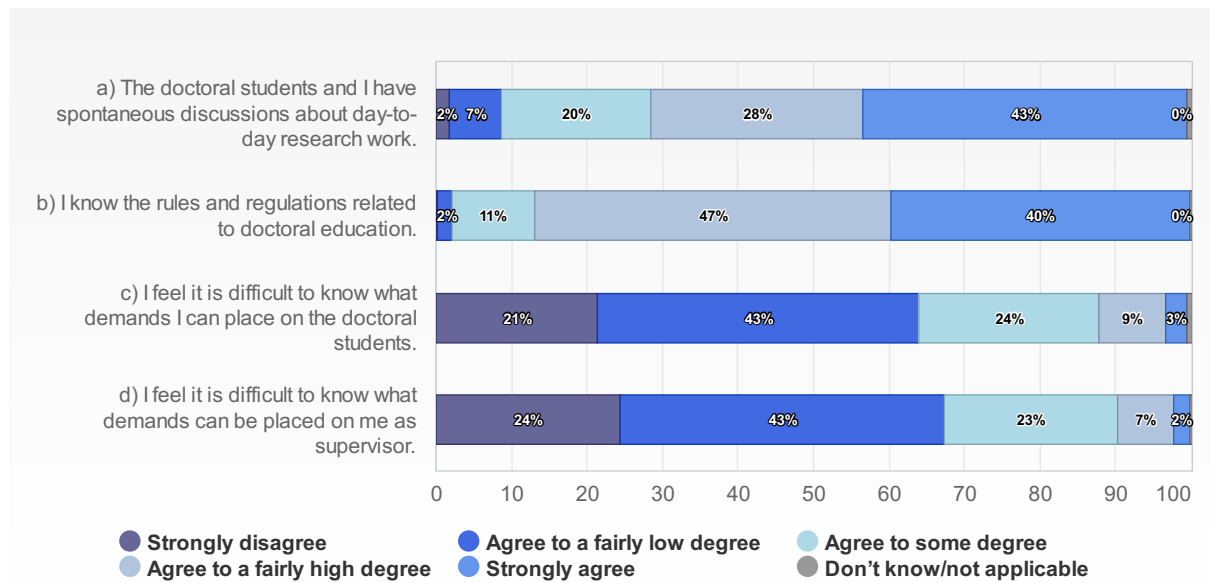
Aspect	Number of responses	Distribution (%)
a) Design of research project		
To a very low degree	15	2%
To a fairly low degree	11	1%
To some degree	72	8%
To a fairly high degree	312	36%
To a very high degree	461	53%
Total	871	100%
b) Method (quantitative or qualitative)		
To a very low degree	19	2%
To a fairly low degree	17	2%
To some degree	69	8%
To a fairly high degree	310	36%
To a very high degree	453	52%
Total	868	100%
c) Structure of scientific texts		
To a very low degree	18	2%
To a fairly low degree	19	2%
To some degree	109	13%
To a fairly high degree	307	35%
To a very high degree	417	48%
Total	870	100%
d) The doctoral student's research findings		
To a very low degree	16	2%
To a fairly low degree	14	2%
To some degree	51	6%
To a fairly high degree	283	32%
To a very high degree	507	58%
Total	871	100%
e) The doctoral student's time planning for the doctoral education		
To a very low degree	14	2%
To a fairly low degree	44	5%
To some degree	213	25%
To a fairly high degree	362	42%
To a very high degree	236	27%
Total	869	100%

12 To what degree do you feel the supervision promotes critical thinking by your doctoral students?



To what degree do you feel the supervision promotes critical thinking by your doctoral students?	Number of responses	Distribution (%)
To a very low degree	15	2%
To a fairly low degree	9	1%
To some degree	86	10%
To a fairly high degree	419	48%
To a very high degree	332	38%
Don't know	10	1%
Total	871	100%

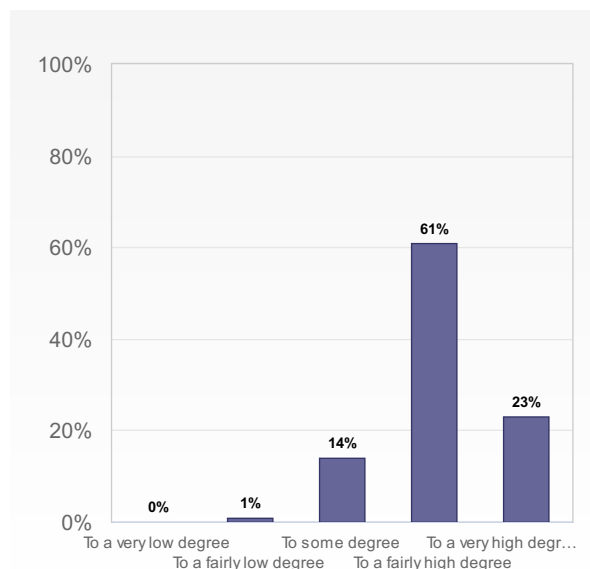
13 To what degree do you agree with the following statements?



13 To what degree do you agree with the following statements?

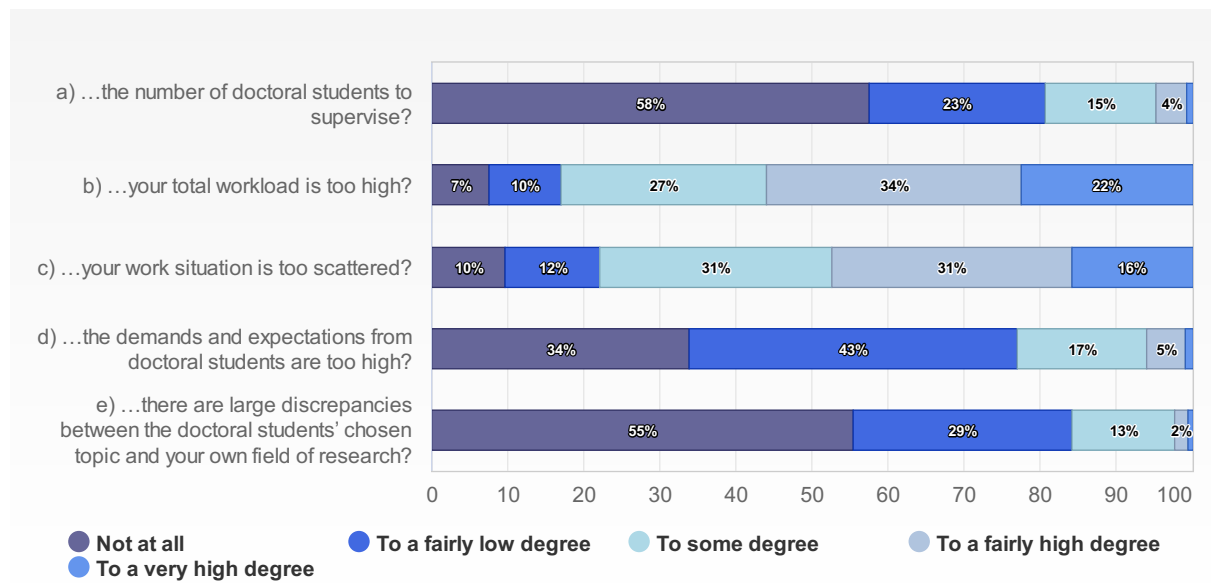
a) The doctoral students and I have spontaneous discussions about day-to-day research work.	Number of responses	Distribution (%)
Strongly disagree	16	2%
Agree to a fairly low degree	60	7%
Agree to some degree	171	20%
Agree to a fairly high degree	245	28%
Strongly agree	375	43%
Don't know/not applicable	4	0%
Total	871	100%
b) I know the rules and regulations related to doctoral education.	Number of responses	Distribution (%)
Strongly disagree	1	0%
Agree to a fairly low degree	17	2%
Agree to some degree	96	11%
Agree to a fairly high degree	410	47%
Strongly agree	345	40%
Don't know/not applicable	1	0%
Total	870	100%
c) I feel it is difficult to know what demands I can place on the doctoral students.	Number of responses	Distribution (%)
Strongly disagree	186	21%
Agree to a fairly low degree	370	43%
Agree to some degree	208	24%
Agree to a fairly high degree	77	9%
Strongly agree	24	3%
Don't know/not applicable	5	1%
Total	870	100%
d) I feel it is difficult to know what demands can be placed on me as supervisor.	Number of responses	Distribution (%)
Strongly disagree	212	24%
Agree to a fairly low degree	373	43%
Agree to some degree	200	23%
Agree to a fairly high degree	65	7%
Strongly agree	18	2%
Don't know/not applicable	2	0%
Total	870	100%

14 To what degree do you feel you can live up to the demands and expectations placed on you as a supervisor?



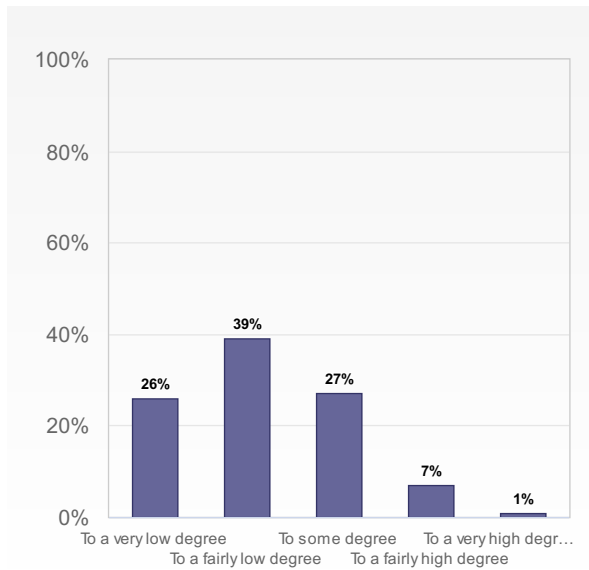
To what degree do you feel you can live up to the demands and expectations placed on you as a supervisor?	Number of responses	Distribution (%)
To a very low degree	1	0%
To a fairly low degree	13	1%
To some degree	125	14%
To a fairly high degree	532	61%
To a very high degree	199	23%
Total	870	100%

**b) If you experience any difficulties living up to these demands and expectations:
To what degree do you feel this is because...**



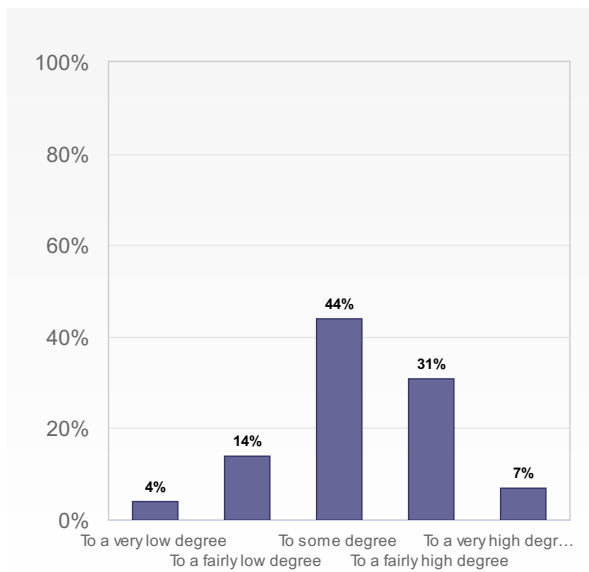
	Number of responses	Distribution (%)
a) ...the number of doctoral students to supervise?		
Not at all	367	58%
To a fairly low degree	147	23%
To some degree	93	15%
To a fairly high degree	25	4%
To a very high degree	5	1%
Total	637	100%
b) ...your total workload is too high?		
Not at all	49	7%
To a fairly low degree	63	10%
To some degree	176	27%
To a fairly high degree	220	34%
To a very high degree	147	22%
Total	655	100%
c) ...your work situation is too scattered?		
Not at all	63	10%
To a fairly low degree	80	12%
To some degree	199	31%
To a fairly high degree	204	31%
To a very high degree	103	16%
Total	649	100%
d) ...the demands and expectations from doctoral students are too high?		
Not at all	220	34%
To a fairly low degree	281	43%
To some degree	110	17%
To a fairly high degree	33	5%
To a very high degree	6	1%
Total	650	100%
e) ...there are large discrepancies between the doctoral students' chosen topic and your own field of research?		
Not at all	360	55%
To a fairly low degree	187	29%
To some degree	87	13%
To a fairly high degree	12	2%
To a very high degree	3	0%
Total	649	100%

15 To what degree do you experience negative stress in relation to your supervision?



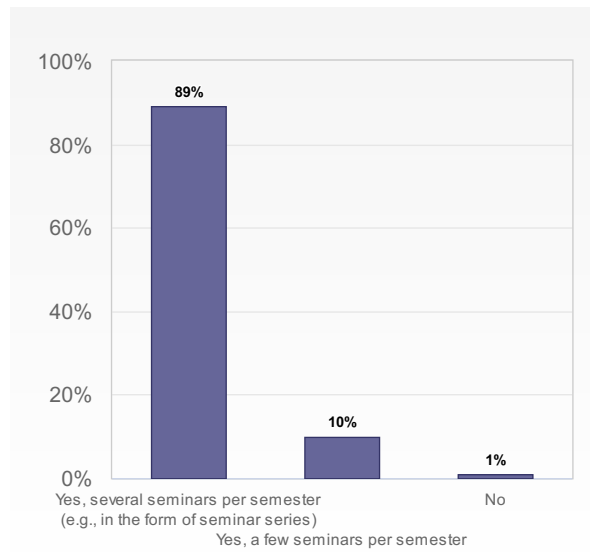
To what degree do you experience negative stress in relation to your supervision?	Number of responses	Distribution (%)
To a very low degree	226	26%
To a fairly low degree	332	39%
To some degree	235	27%
To a fairly high degree	62	7%
To a very high degree	7	1%
Total	862	100%

16 To what degree do you and your doctoral student(s) discuss their future career?



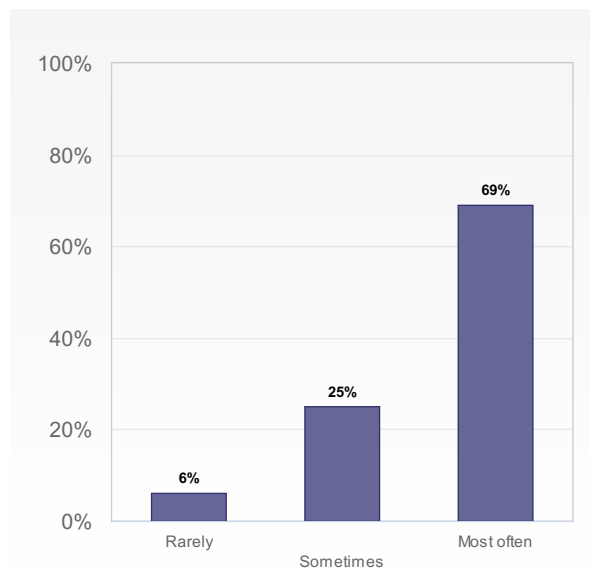
To what degree do you and your doctoral student(s) discuss their future career?	Number of responses	Distribution (%)
To a very low degree	35	4%
To a fairly low degree	124	14%
To some degree	379	44%
To a fairly high degree	267	31%
To a very high degree	63	7%
Total	868	100%

17 Are seminars held at your department or in your research group/equivalent? (Seminars here mean scholarly discussions in the form of organised meetings with other researchers and doctoral students than at supervision meetings.)



Are seminars held at your department or in your research group/equivalent? (Seminars here mean scholarly discussions in the form of organised meetings with other researchers and doctoral students than at supervision meetings.)	Number of responses	Distribution (%)
Yes, several seminars per semester (e.g., in the form of seminar series)	770	89%
Yes, a few seminars per semester	87	10%
No	12	1%
Total	869	100%

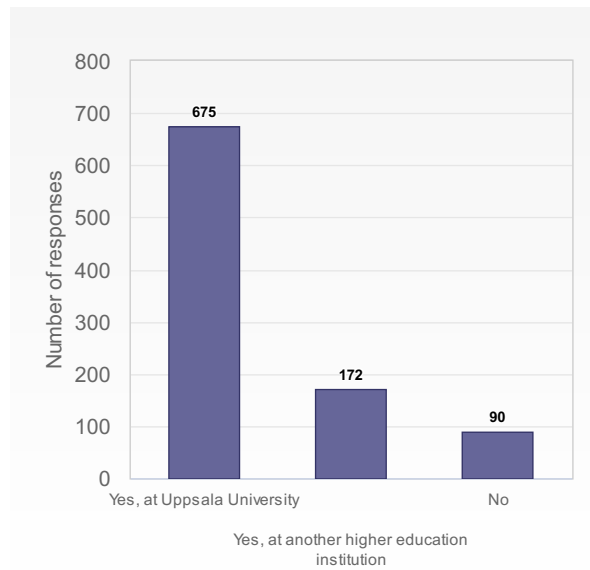
18 How often do you usually participate in the seminars?



How often do you usually participate in the seminars?	Number of responses	Distribution (%)
Rarely	51	6%
Sometimes	213	25%
Most often	586	69%
Total	850	100%

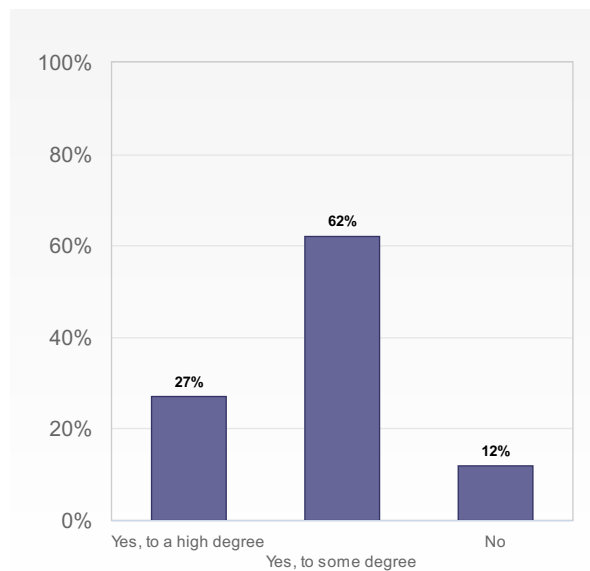
PEDAGOGICAL TRAINING AND SUPPORT IN SUPERVISION

19 Have you attended any supervisor training course? (Multiple choice)



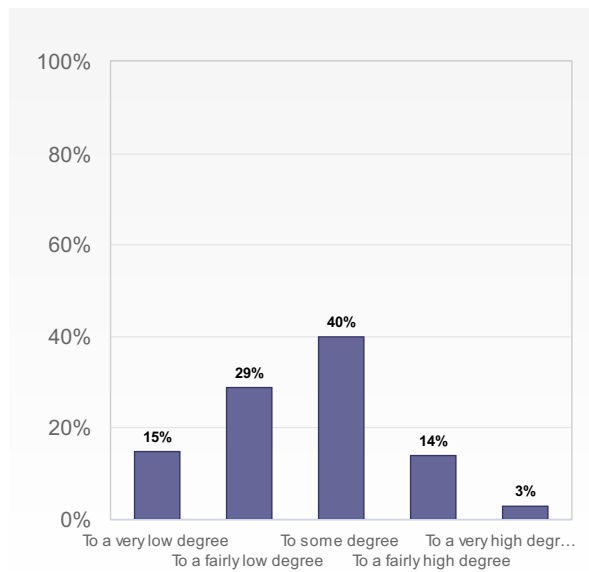
Have you attended any supervisor training course?	Number of responses	Distribution (%)
Yes, at Uppsala University	675	78%
Yes, at another higher education institution	172	20%
No	90	10%
Total	937	108%

20 Has the supervisor training been useful for your own supervision?



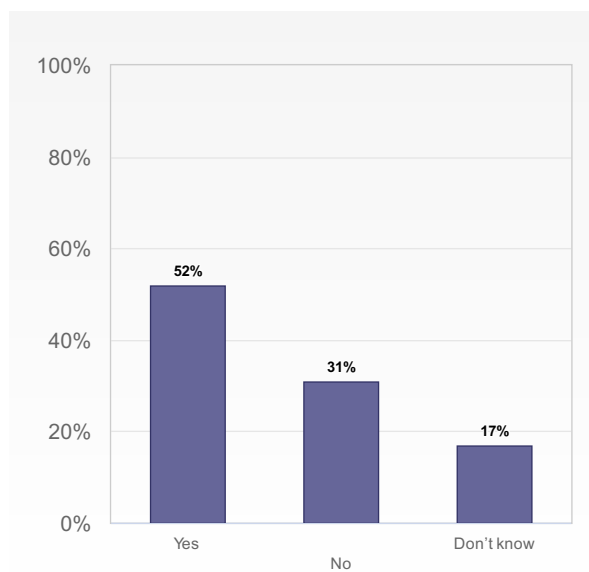
Has the supervisor training been useful for your own supervision?	Number of responses	Distribution (%)
Yes, to a high degree	208	27%
Yes, to some degree	484	62%
No	90	12%
Total	782	100%

21 To what degree do you feel you have a need of additional training for supervision of doctoral students?



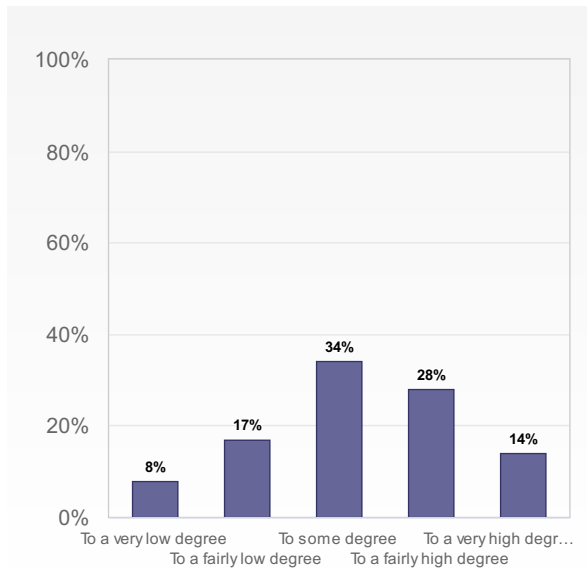
To what degree do you feel you have a need of additional training for supervision of doctoral students?	Number of responses	Distribution (%)
To a very low degree	129	15%
To a fairly low degree	251	29%
To some degree	347	40%
To a fairly high degree	119	14%
To a very high degree	24	3%
Total	870	100%

22 Are there supervisor meetings (i.e., organised meetings where supervision is discussed) at the department/section/research group where you supervise?



Are there supervisor meetings (i.e., organised meetings where supervision is discussed) at the department/section /research group where you supervise?	Number of responses	Distribution (%)
Yes	456	52%
No	268	31%
Don't know	149	17%
Total	873	100%

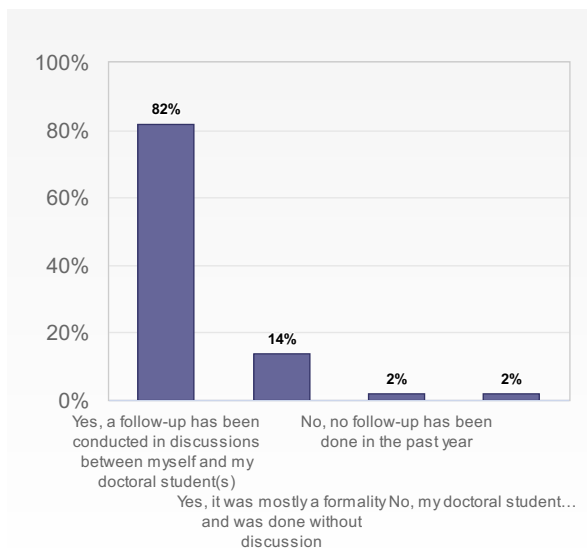
b) If yes: To what degree are the supervisor meetings an important forum for you as a supervisor of doctoral education?



b) If yes: To what degree are the supervisor meetings an important forum for you as a supervisor of doctoral education?	Number of responses	Distribution (%)
To a very low degree	36	8%
To a fairly low degree	76	17%
To some degree	155	34%
To a fairly high degree	125	28%
To a very high degree	62	14%
Total	454	100%

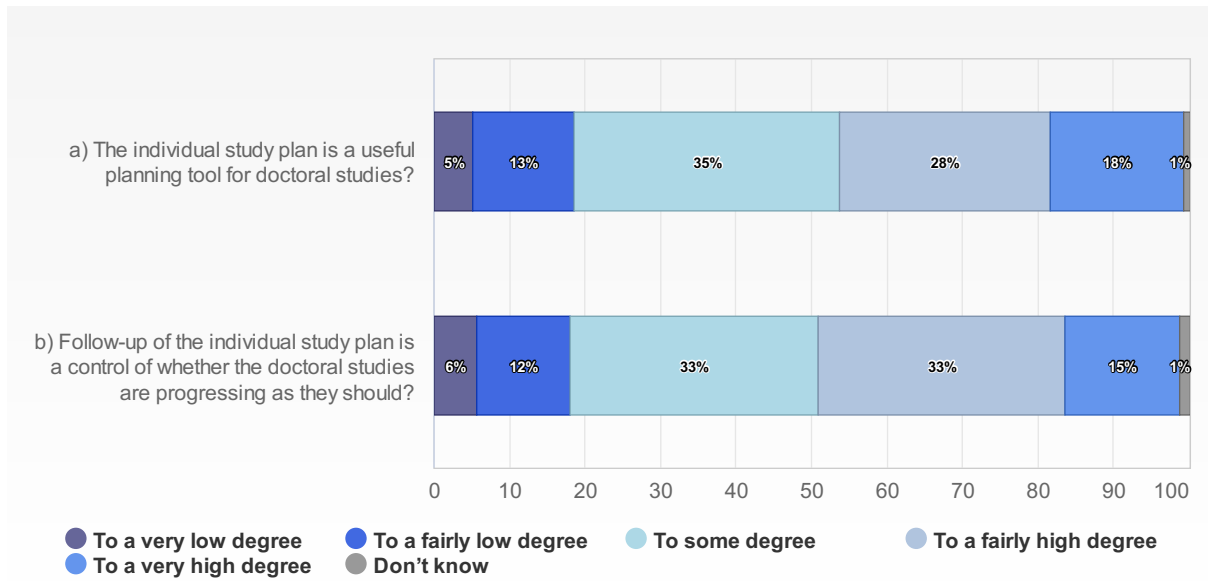
INDIVIDUAL STUDY PLAN

23 Have the individual study plans of your doctoral student(s) been followed up over the past year?



Have the individual study plans of your doctoral student(s) been followed up over the past year?	Number of responses	Distribution (%)
Yes, a follow-up has been conducted in discussions between myself and my doctoral student(s)	710	82%
Yes, it was mostly a formality and was done without discussion	120	14%
No, no follow-up has been done in the past year	20	2%
No, my doctoral student(s) has/have been active less than one year	16	2%
Total	866	100%

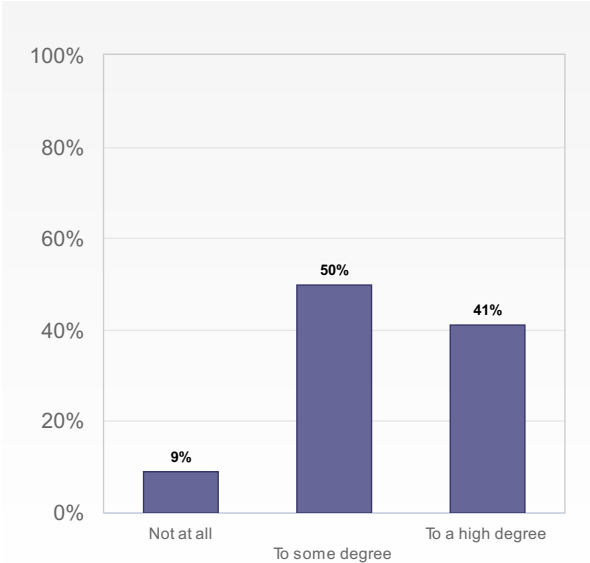
24 To what degree do you feel that:



	Number of responses	Distribution (%)
a) The individual study plan is a useful planning tool for doctoral studies?		
To a very low degree	45	5%
To a fairly low degree	117	13%
To some degree	307	35%
To a fairly high degree	243	28%
To a very high degree	155	18%
Don't know	6	1%
Total	873	100%
b) Follow-up of the individual study plan is a control of whether the doctoral studies are progressing as they should?		
To a very low degree	49	6%
To a fairly low degree	107	12%
To some degree	283	33%
To a fairly high degree	282	33%
To a very high degree	130	15%
Don't know	11	1%
Total	862	100%

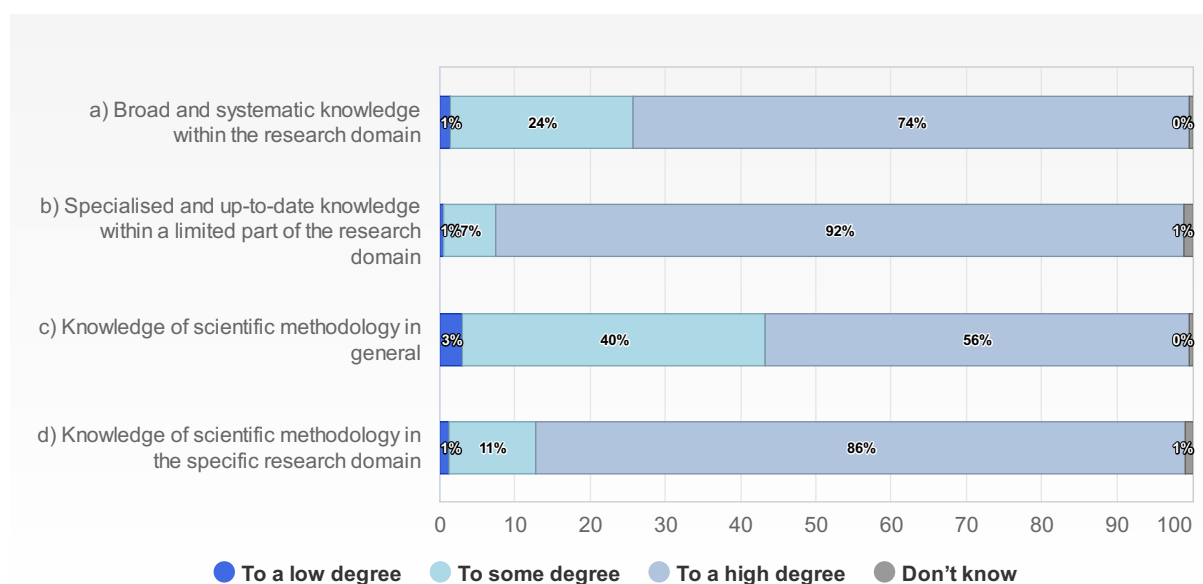
QUALITATIVE TARGETS FOR DOCTORAL EDUCATION

25 The Higher Education Ordinance lists several qualitative targets for third-cycle/doctoral education. To what degree are you familiar with these targets?



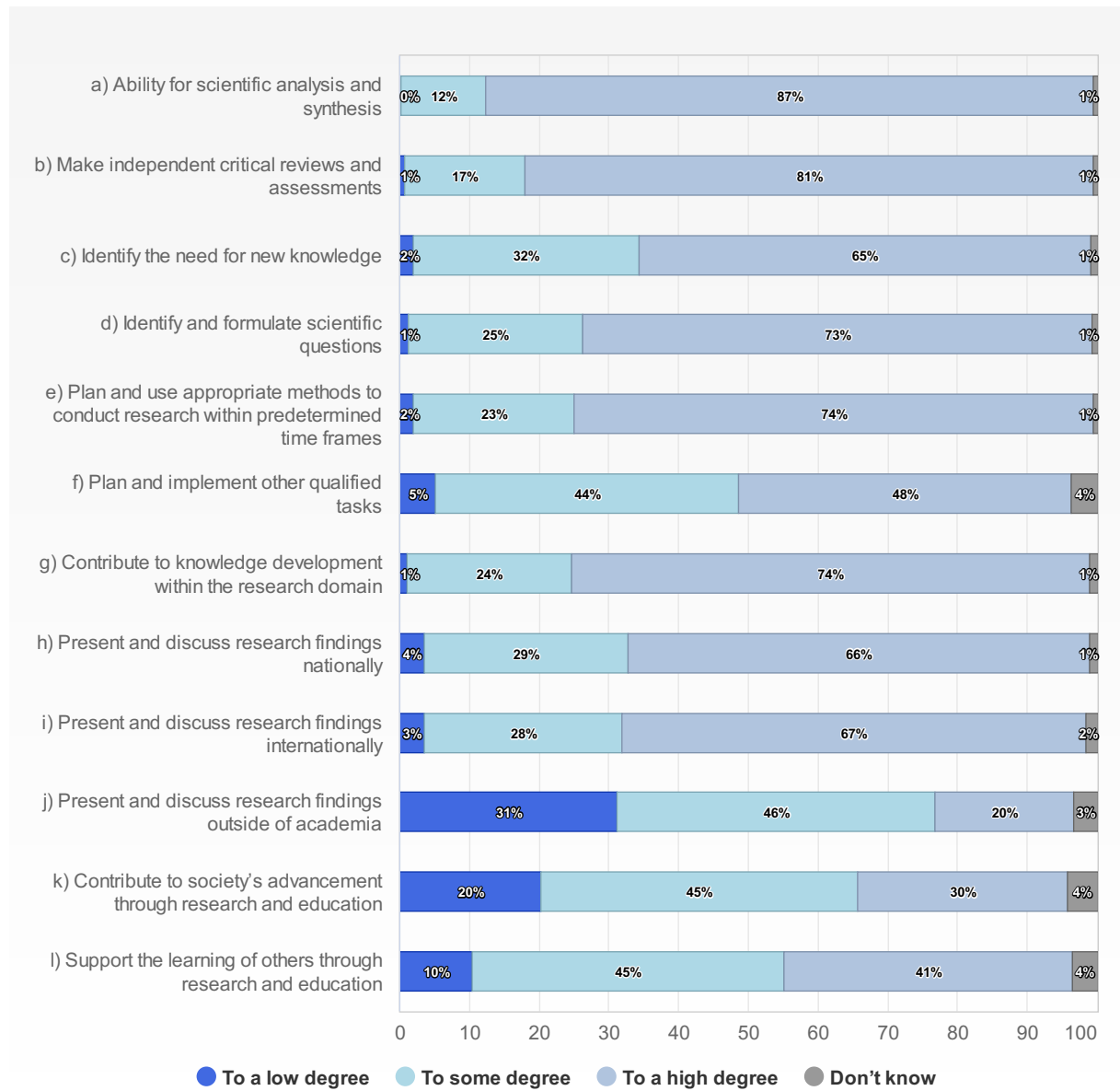
The Higher Education Ordinance lists several qualitative targets for third-cycle /doctoral education. To what degree are you familiar with these targets?	Number of responses	Distribution (%)
Not at all	81	9%
To some degree	436	50%
To a high degree	353	41%
Total	870	100%

26 To what degree do you feel that doctoral students, within the framework for the doctoral education where you are active, are given opportunities to develop the following aspects in terms of *knowledge and understanding*?



Aspect	Number of responses	Distribution (%)
a) Broad and systematic knowledge within the research domain		
To a low degree	13	1%
To some degree	212	24%
To a high degree	645	74%
Don't know	3	0%
Total	873	100%
b) Specialised and up-to-date knowledge within a limited part of the research domain		
To a low degree	5	1%
To some degree	59	7%
To a high degree	796	92%
Don't know	9	1%
Total	869	100%
c) Knowledge of scientific methodology in general		
To a low degree	26	3%
To some degree	351	40%
To a high degree	491	56%
Don't know	3	0%
Total	871	100%
d) Knowledge of scientific methodology in the specific research domain		
To a low degree	11	1%
To some degree	100	11%
To a high degree	753	86%
Don't know	8	1%
Total	872	100%

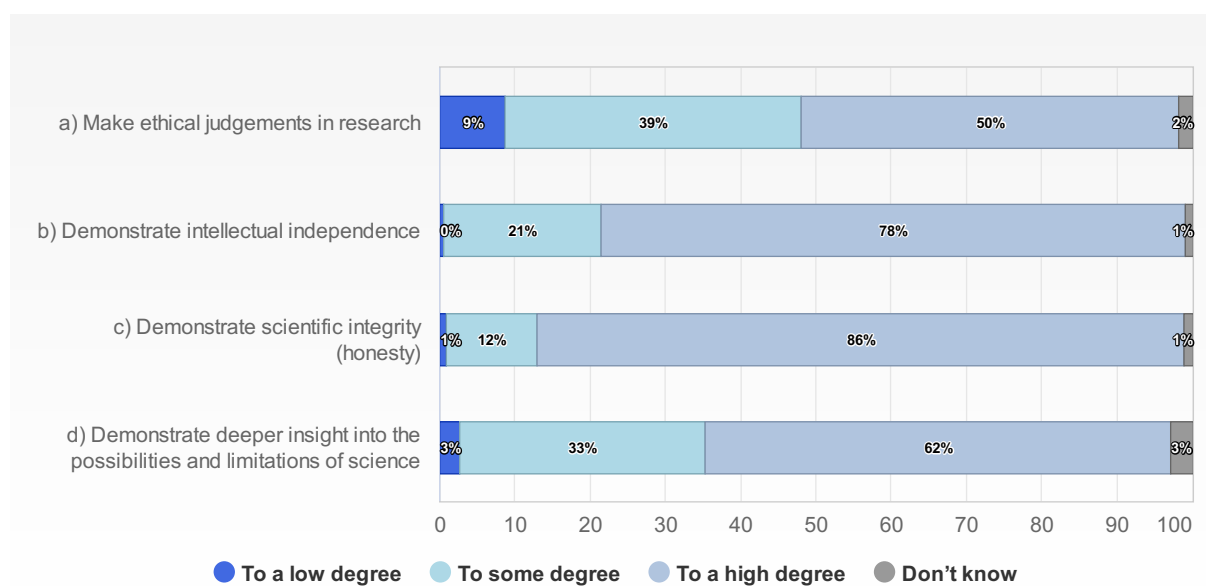
27 To what degree do you feel that the doctoral students, within the framework for the doctoral studies where you are active, are given opportunities to develop the following aspects in terms of *proficiency and ability*?



27 To what degree do you feel that the doctoral students, within the framework for the doctoral studies where you are active, are given opportunities to develop the following aspects in terms of *proficiency and ability*?

a) Ability for scientific analysis and synthesis	Number of responses	Distribution (%)
To a low degree	2	0%
To some degree	105	12%
To a high degree	758	87%
Don't know	5	1%
Total	870	100%
b) Make independent critical reviews and assessments	Number of responses	Distribution (%)
To a low degree	6	1%
To some degree	151	17%
To a high degree	709	81%
Don't know	5	1%
Total	871	100%
c) Identify the need for new knowledge	Number of responses	Distribution (%)
To a low degree	17	2%
To some degree	282	32%
To a high degree	565	65%
Don't know	7	1%
Total	871	100%
d) Identify and formulate scientific questions	Number of responses	Distribution (%)
To a low degree	10	1%
To some degree	218	25%
To a high degree	637	73%
Don't know	6	1%
Total	871	100%
e) Plan and use appropriate methods to conduct research within predetermined time frames	Number of responses	Distribution (%)
To a low degree	17	2%
To some degree	201	23%
To a high degree	647	74%
Don't know	5	1%
Total	870	100%
f) Plan and implement other qualified tasks	Number of responses	Distribution (%)
To a low degree	44	5%
To some degree	379	44%
To a high degree	415	48%
Don't know	32	4%
Total	870	100%
g) Contribute to knowledge development within the research domain	Number of responses	Distribution (%)
To a low degree	9	1%
To some degree	205	24%
To a high degree	648	74%
Don't know	9	1%
Total	871	100%
h) Present and discuss research findings nationally	Number of responses	Distribution (%)
To a low degree	31	4%
To some degree	254	29%
To a high degree	577	66%
Don't know	9	1%
Total	871	100%
i) Present and discuss research findings internationally	Number of responses	Distribution (%)
To a low degree	30	3%
To some degree	247	28%
To a high degree	579	67%
Don't know	14	2%
Total	870	100%
j) Present and discuss research findings outside of academia	Number of responses	Distribution (%)
To a low degree	272	31%
To some degree	397	46%
To a high degree	173	20%
Don't know	29	3%
Total	871	100%
k) Contribute to society's advancement through research and education	Number of responses	Distribution (%)
To a low degree	175	20%
To some degree	394	45%
To a high degree	262	30%
Don't know	36	4%
Total	867	100%
l) Support the learning of others through research and education	Number of responses	Distribution (%)
To a low degree	91	10%
To some degree	388	45%
To a high degree	359	41%
Don't know	31	4%
Total	869	100%

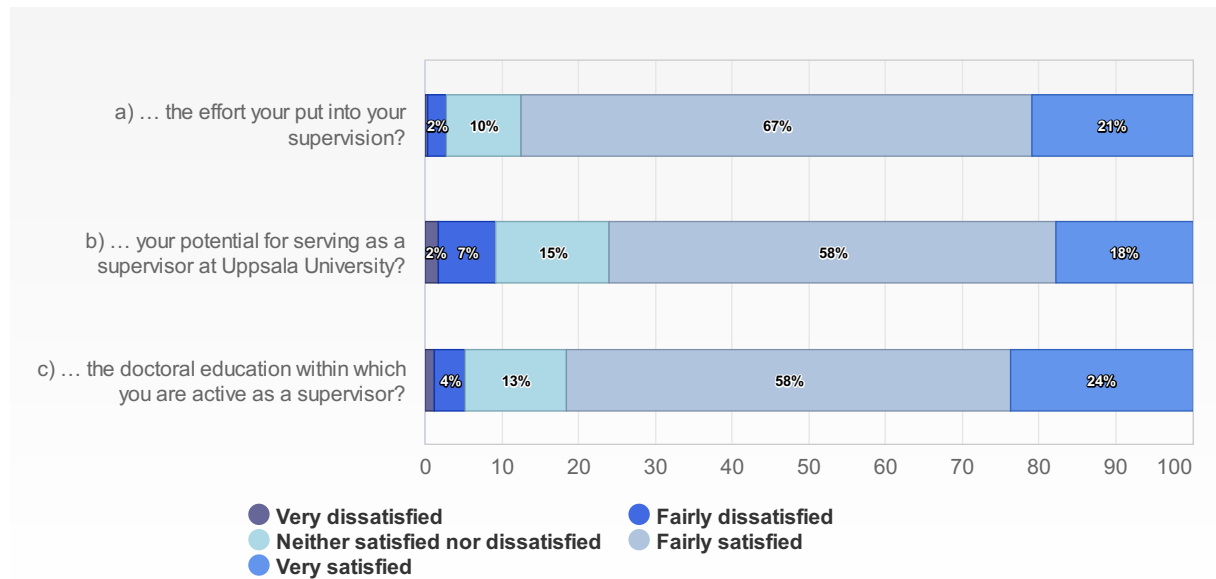
28 To what degree do you feel that the doctoral students, within the framework for your doctoral programme, are given opportunities to develop the following aspects in terms of *judgement and approach*?



Aspect	Number of responses	Distribution (%)
a) Make ethical judgements in research		
To a low degree	76	9%
To some degree	342	39%
To a high degree	436	50%
Don't know	16	2%
Total	870	100%
b) Demonstrate intellectual independence		
To a low degree	4	0%
To some degree	183	21%
To a high degree	676	78%
Don't know	8	1%
Total	871	100%
c) Demonstrate scientific integrity (honesty)		
To a low degree	8	1%
To some degree	104	12%
To a high degree	747	86%
Don't know	10	1%
Total	869	100%
d) Demonstrate deeper insight into the possibilities and limitations of science		
To a low degree	23	3%
To some degree	284	33%
To a high degree	539	62%
Don't know	24	3%
Total	870	100%

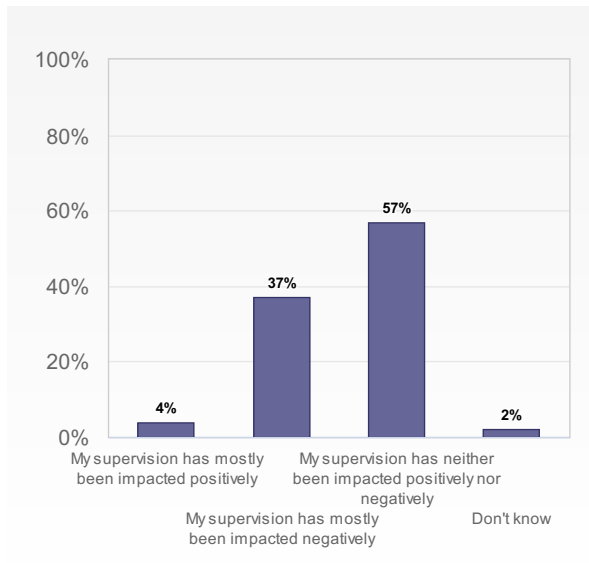
CONCLUDING OVERARCHING QUESTIONS

29 Overall, how satisfied are you with ...



a) ... the effort your put into your supervision?	Number of responses	Distribution (%)
Very dissatisfied	3	0%
Fairly dissatisfied	21	2%
Neither satisfied nor dissatisfied	85	10%
Fairly satisfied	581	67%
Very satisfied	182	21%
Total	872	100%
b) ... your potential for serving as a supervisor at Uppsala University?	Number of responses	Distribution (%)
Very dissatisfied	15	2%
Fairly dissatisfied	65	7%
Neither satisfied nor dissatisfied	128	15%
Fairly satisfied	507	58%
Very satisfied	154	18%
Total	869	100%
c) ... the doctoral education within which you are active as a supervisor?	Number of responses	Distribution (%)
Very dissatisfied	10	1%
Fairly dissatisfied	35	4%
Neither satisfied nor dissatisfied	115	13%
Fairly satisfied	501	58%
Very satisfied	204	24%
Total	865	100%

31 Overall, how has your supervision been impacted by the COVID-19 pandemic?



Overall, how has your supervision been impacted by the COVID-19 pandemic?	Number of responses	Distribution (%)
My supervision has mostly been impacted positively	35	4%
My supervision has mostly been impacted negatively	319	37%
My supervision has neither been impacted positively nor negatively	496	57%
Don't know	19	2%
Total	869	100%