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The Nurse Practitioner: Bridging the gap between scientific research and clinical practice?

*A national survey among nurse practitioners in the
Netherlands*

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Disclosure presenter



✓	No (potential) conflict of interests	
✗	1. Relations that could be relevant for the meeting	<company names>
✗	2. Sponsorship or research funds	<company names>
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Background

Role development Nurse Practitioners (NP's) since 1997

September 2018 official fully recognized by law

- **Authority to prescribe medication**
- **Independent treatment relation with the patient.**

June 2013

- **National Foundation Supporting NP's (OWVS) in scientific research**

Aim of the study

To investigate research activities among nurse practitioners in the Netherlands

1. Survey 2015 (pilot)

- Evaluation publicity of OWVS & sample

→ Increase of amount NP's between 2015-2017 (almost 600)

2. Re-submit the survey to NP's in the Netherlands 2017

- Is there an increase in performing research when NP's increases?

Methods



Questionnaire distributed by email to all members of the National Nursing Association for nurse practitioners (N=2500).

Results: Response rate

2017, oktober-> december

1075 respondents (response rate 43%)

74 excluded (still in training or no longer practicing)

1001 questionnaires

Registers	Registered NP's (%)	Respondents survey (%)
Acute care for somatic conditions	5	5
Preventive care for somatic conditions	1	1,8
Intensive care for somatic conditions	47	53,5
Chronic care for somatic conditions	17	18,8
Mental healthcare	30	20,9

Results: Characteristics 1

N=1001		N	%
Gender	Men	189	19
	Female	808	81
Age (yrs)	Median (range)	47.4 (25-66)	
Study	Nursing Science	39	4
	After MANP	7	18.4

Results: Work setting

N=984	N	%
General practitioner	88	8.9
Mental health	183	18.6
Nursing home	76	7.7
Homecare	25	2.5
Revalidation	6	0.6
Hospital/clinic	362	36.8
University hospital	185	18.8
Ambulance	17	1.7
Mentally disabled people	11	1.1
Public health services	9	0.9
School of nursing	6	0.6
Research	2	0.2
Youth healthcare	3	0.3
Justice/ Penitentiary institute	1	0.1
Hospice	2	0.2
Retirement	1	0.1
Occupational medicine	3	0.3
Independent/ Private practice	3	0.3
1st line without treatment	1	0.1

Results: Characteristics 2 (PhD)

N=1001	Yes	No	Maybe	Missing
PhD (N=509)	14 (2.8%)	459 (97.2%)	-	-
Before graduation MANP	1 (7.7%)	-	-	-
After graduation MANP	12 (92,3%)			
Ambition PhD (N=546)	121 (22.2%)	252 (46,2%)	173 (31,7%)	357 (44.4)
PhD student (N=560)	52 (9.3%)	508 (90.7%)	-	

N=43	< 1 year	In 1-2 yrs	In 3-4 yrs	5 >	?
Thesis defense (N=52)	5 (9.6%)	9 (17.3 %)	27 (51.9 %)	3 (5.8%)	8 (15.4 %)

Results: Performing research 1

N	Question	Yes	%	No	%
1001	Do you collect research data?	479	47.9	533	52.1
1001	Do you register research data?	290	29.0	711	71.0
1001	Do you give study information to patients?	192	19.2	809	80.8
1001	Did you ever write- and submit an Institutional Review Application (IRA)?	135	13.5	866	86.5
1001	Did you ever write an interim/ preliminary data analysis?	81	8.1	920	91.9
1001	Did you ever publish research results?	198	19.8	803	80.2
1001	Have you ever been involved in (co-)developing an (inter)national guideline?	114	11.4	887	88.6
980	Do you perform- or contribute to research?	479	57.8	414	42.2

Results: Performing research 2

N	Question	Yes	%	No	%
562	Did you ever submit a research grant?	70	12.5	492	87.5
70	Was this grant request granted? (Range € 500-2.000.000)	38	54.3	32	45.7
561	Did you ever wrote an abstract?	325	57.9	236	42.1
561	Did you ever present your research results on a congress?	270	48.1	291	51.9
561	Did you ever publish in a peer reviewed journal? Submitted: 35 (6.2%)	141	25.1	385	68.6

Results: Practical conditions 1

N	Question	Yes	%	No	%
559	My employer supports my research activities during working hours.	331	59.2%	228	40.8%
559	I am succesfull performing research during working hours	116	20.8%	236	42.2%

Results: Practical conditions 2

N=1001	Reasons NOT performing research in practice	N	%
	No time, no money	112	11.2
	Busy with an other training	1	0.1
	Just graduated MANP	68	6.8
	No possibilities	131	13.1
	No ambitions	73	7.3
	Would like to	8	0.8
	No reasons mentioned	8	0.8
	Al ready do research	5	0.5
	Does not apply	595	59.4

Conclusion

Are NP's in the Netherlands bridging the gap between scientific research and clinical practice?

- **57.8% respond to be involved in performing research**
- **20.8% is succesfull in performing research during working hours**

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Discussion

- **Np's do have a potential to perform research but should be supported**
- **Extend research relating to the role of research in the job description of the NP and title (contribution versus performing).**

**Thank you for your
attention!**

