

Presentation for
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UNLIMITED EXPOSURE

THE PATIENT MIX OF GP TRAINEES AND THEIR TRAINERS:
GAPS, DISPARITIES, AND ACTIVE STEERING

Jip de Jong

Exploring differences in patient mix
in a cohort of GP trainees and their trainers
BMJ Open, 2011;1:e000318

Jip de Jong

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Main question

Which patients, problems & illnesses do GP trainees see?

Previous studies showed

- Trainees see less chronic diseases than their trainers
- Female trainees see more gynaecology
- Trainees see more short episode morbidity

Research question

What are the differences in patient mix
between the group of GP trainees and

- ◆ Their trainers
- ◆ A national morbidity survey (NIVEL)?

patientenmix

- ◆ ICPC codes

- ICPC chapters
- Clusters of diseases of educational importance (chronic , short episode, minor ailments)

- ◆ Sort of consultation

surgery, telephone, home visit

Methods

- ◆ Participants

- Trainers & trainees of one training institute (Amsterdam) who had adequate ICT-equipment and EPD

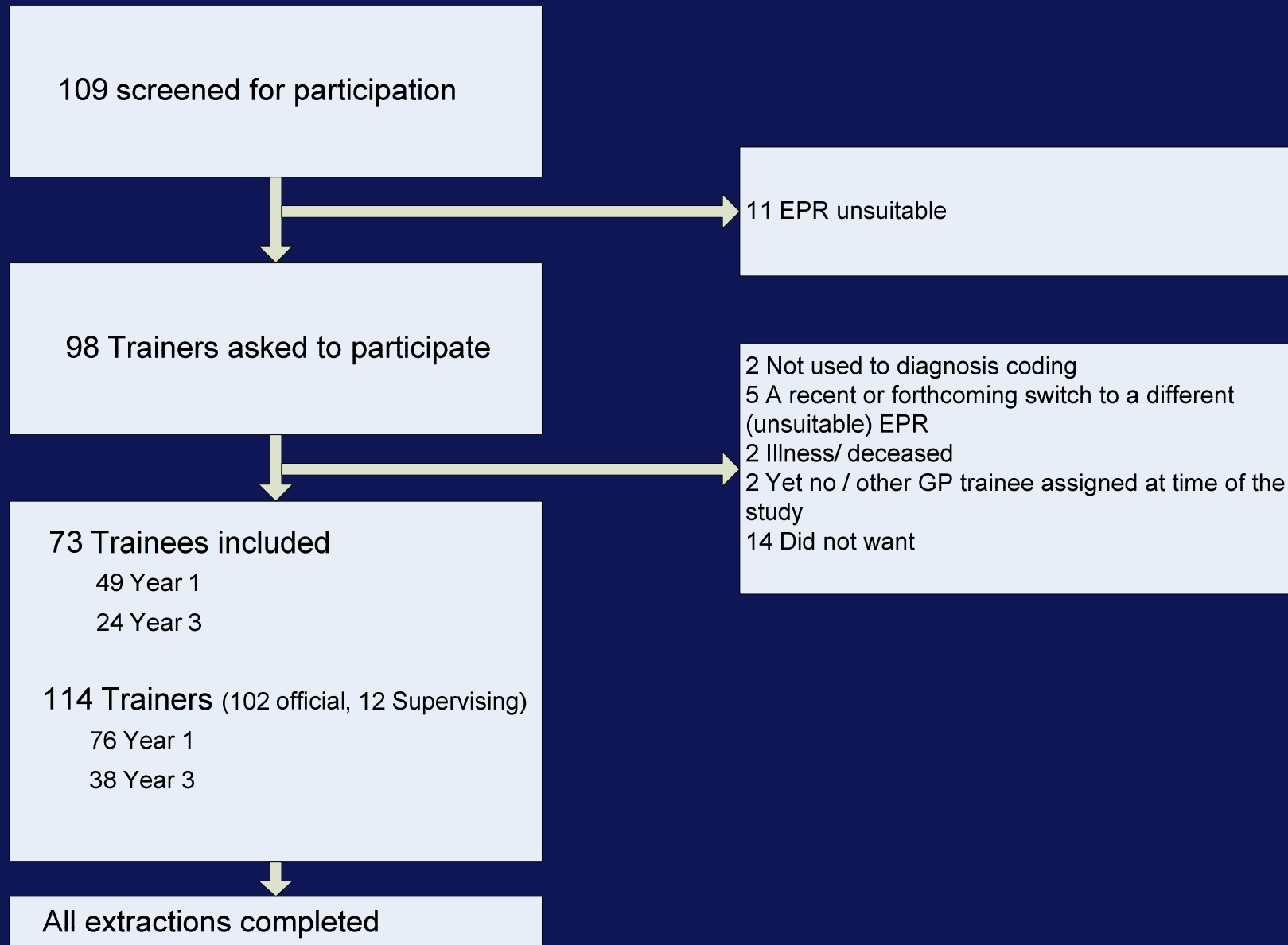
- ◆ Registration period 6 months

- ◆ Data-extraction

- only if % of coding > 50%

- ◆ App for counting ICPC codes and contacts

Flow Chart



Coding compliance

- ◆ Trainees

86.5% (sd=13.1, range 27.5-100%)

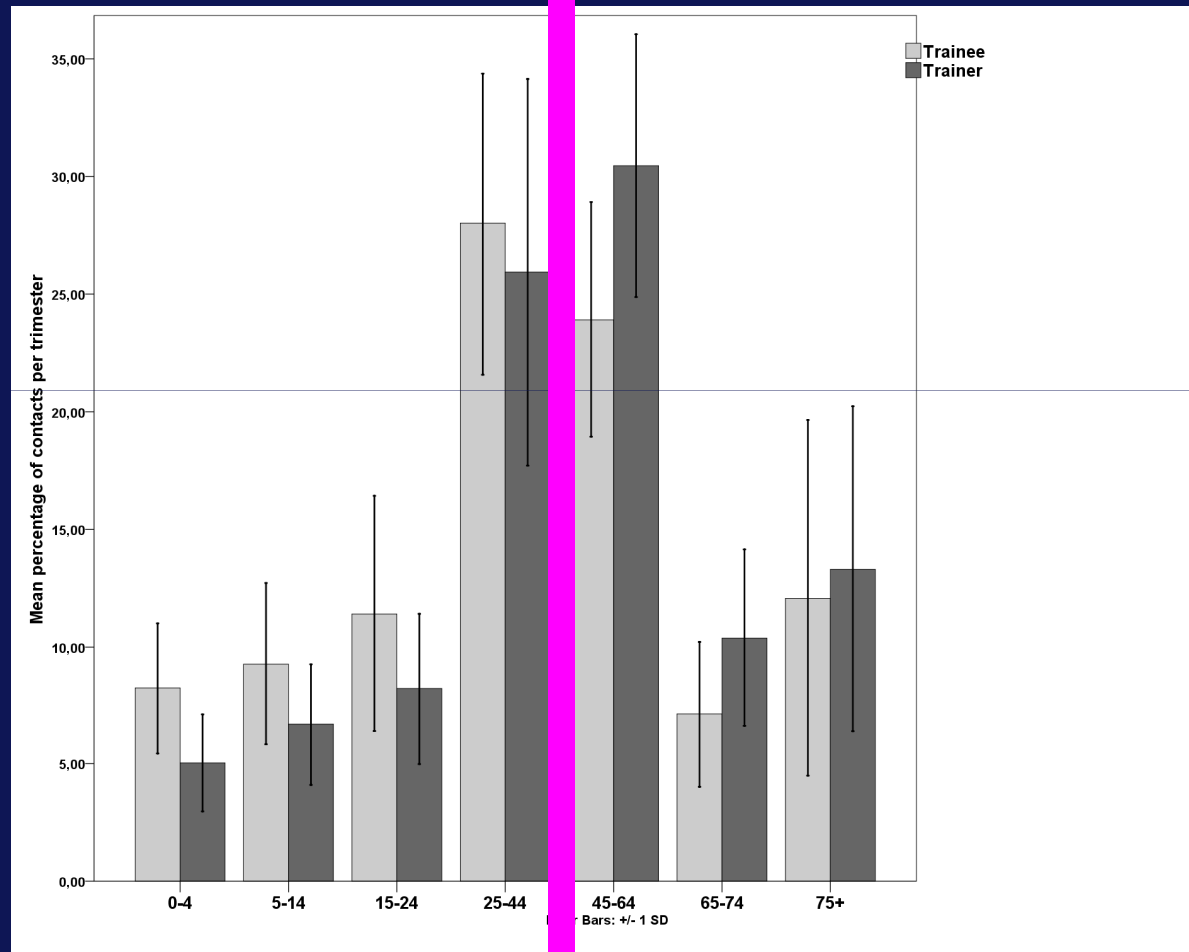
- ◆ Trainers

79.6% (sd=22.1, range 2.3-100%)

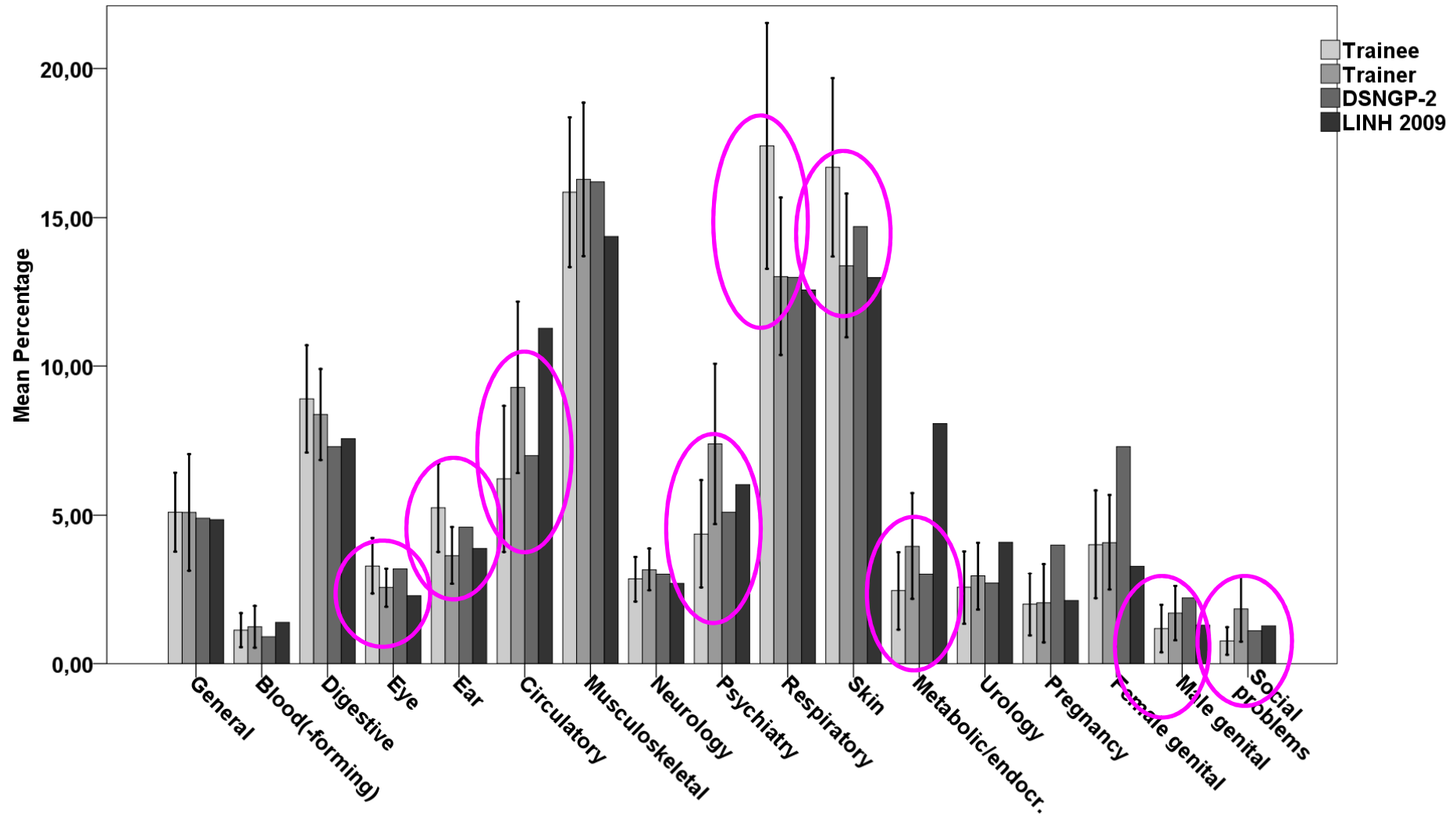
Contacts per 3 months, corrected for fte

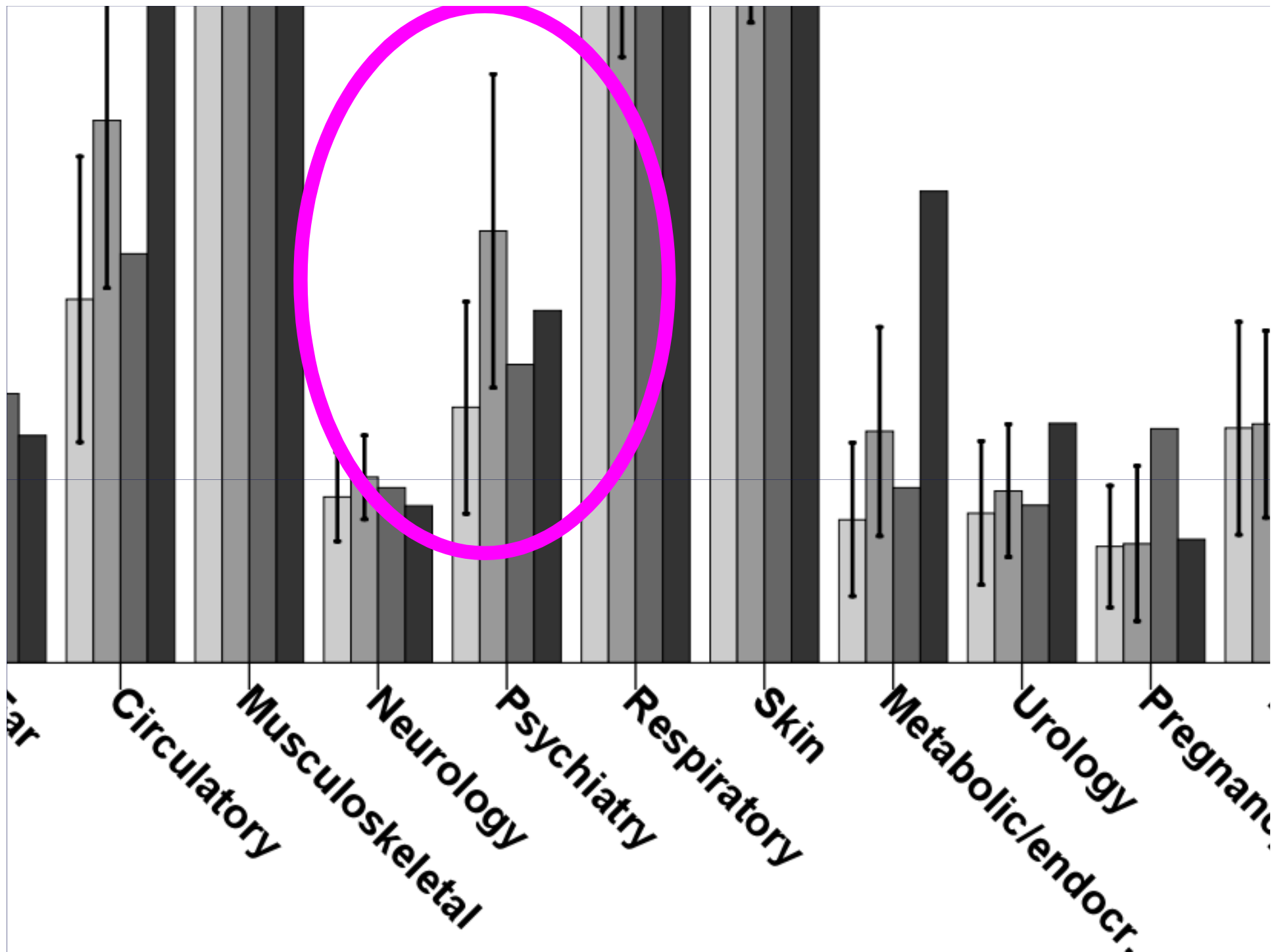
Average /year	trainees		trainers	
	Year1 (n=49)	Year 3 (n=24)	Year 1 (n=76)	Year 3 (n=38)
Consultations	450.0 (86.6)	484.9 (159.8)	981.4 (224.3)	964.3 (228.6)
Telephone	64.0 (35.9)	75.4 (56.6)	222.8 (127.2)	201.7 (133.3)
homevisites	35.6 (30.2)	35.4 (26.8)	63.9 (44.4)	76.1 (51.2)
ICPC codes / contact	1.13	1.11	1.16	1.17
~ICPC codes / 3 month	621.0	661.2	1470.9	1453.3

Age distribution of patients trainees versus trainers (average percentage, SD)



ICPC chapters trainees, trainers, NIVEL (average perc. SD)





Top 10 trainee versus trainer

<i>nr</i>	trainee	%	trainer	%
1	Upper Respiratory Tract inf.	5,2	Hypertension*	4,5
2	Coughing*	2,7	URTI*	2,5
3	Hypertension*	2,3	Diabetes Mellitus*	1,8
4	Dermatomycosis	1,8	Coughing*	1,8
5	Low back pain	1,4	Low back pain	1,5
6	Cystitis / UTI	1,4	Depression*	1,5
7	Otitis media*	1,4	Cystitis / UTI	1,4
8	Acute or chronische sinusitis	1,4	Fatigue / weakness	1,4
9	Fatigue / weakness	1,3	Dermatomycosis	1,3
10	Acute bronchitis / bronchiolitis	1,2	Astma	1,3

clusters

Cluster**	1 ^e jrs trainees %	1 ^e jrs trainers %	3 ^e jrs trainees %	3 ^e jrs trainers %
Short episode illness	1.8*	2.3	2.2	2.4
Chronic	8.7*	15.8	10.8*	16.2
Malignancies	0.4*	1.7	0.9*	1.8
Diabetes	0.8*	1.9	1.2	1.7
Minor ailments	36.3*	27.8	35.9*	28.8
COPD	0.6	0.9	0.7	0.7

My conclusions (Yvonne)

- ◆ Beautiful study with outcomes we feared but had not confirmed by evidence.
- ◆ Every trainee-trainer-couple should have these data available 3-4 times a year
(but that is still a long way to go).
- ◆ Lets find ways to change 'reality'