

Nurse practitioners' focus on health care in terms of cure and care: analysis of graduate theses using the ICD & ICF

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Background

- Nurse practitioners are expected to act on the intersection of cure and care (competence profile MANP)¹
- In clinical practice and education, a clear model covering this area is lacking
- It is unknown to what extent nurse practitioners are focused on this specific area of cure and care

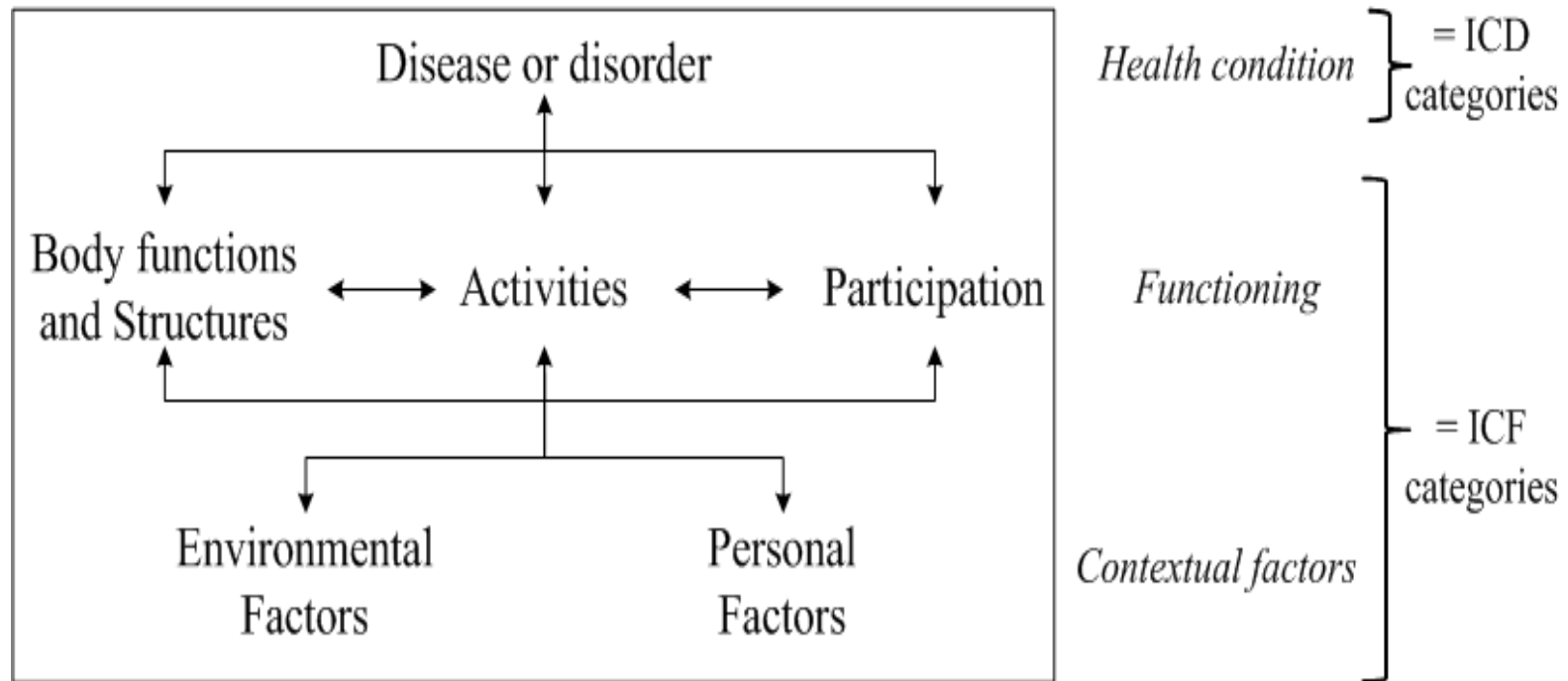
¹Algemeen Competentieprofiel en specifieke deelprofielen Verpleegkundig Specialist.
<http://www.vereniginghogescholen.nl/images/stories/competenties/verpleegkundig%20specialist.cp.pdf>

Aim of the research

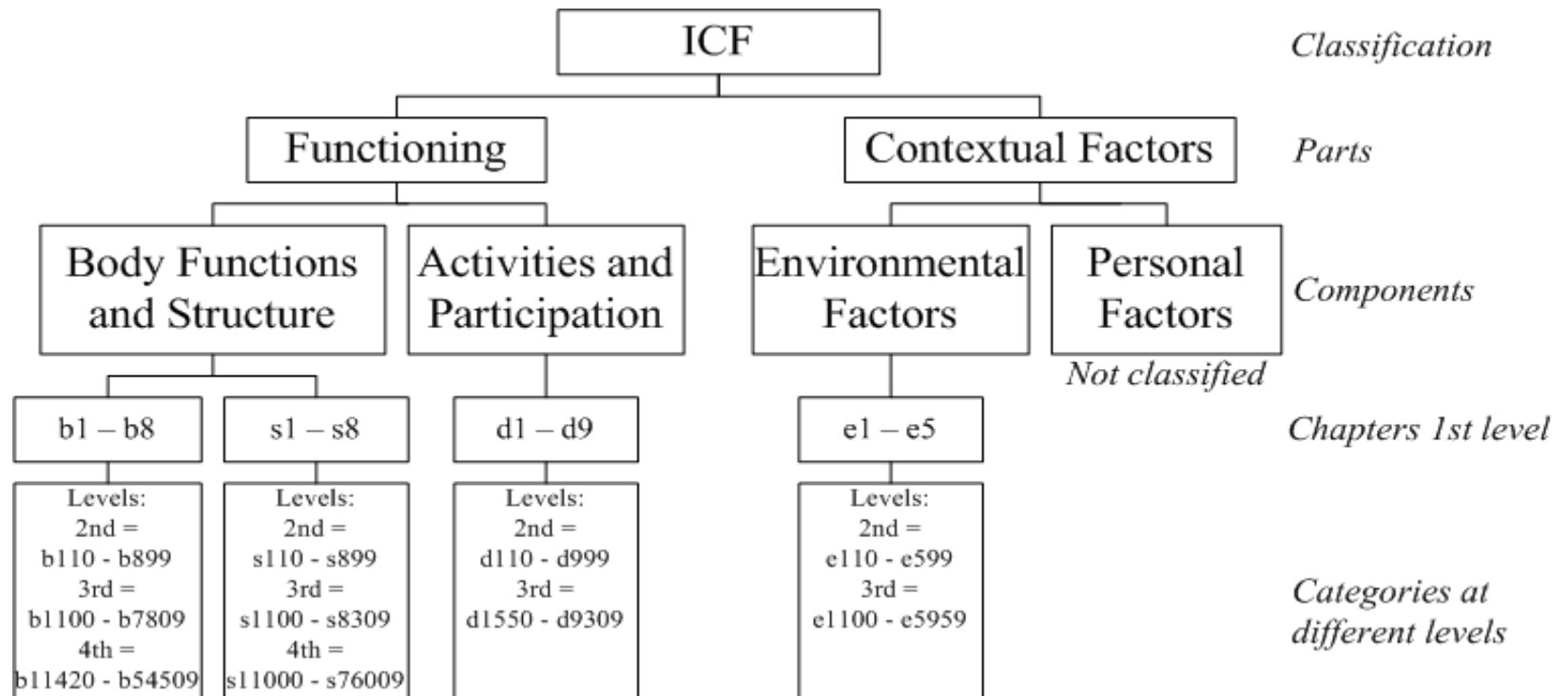
to explore the healthcare focus of advanced nursing practice by analysing graduate theses of students of a Dutch MANP in terms of cure and care

to determine cure, care and the intersection of cure and care, the WHO's conceptual model of health, including the ICD and the ICF, were used as a reference tool

WHO conceptual model of health

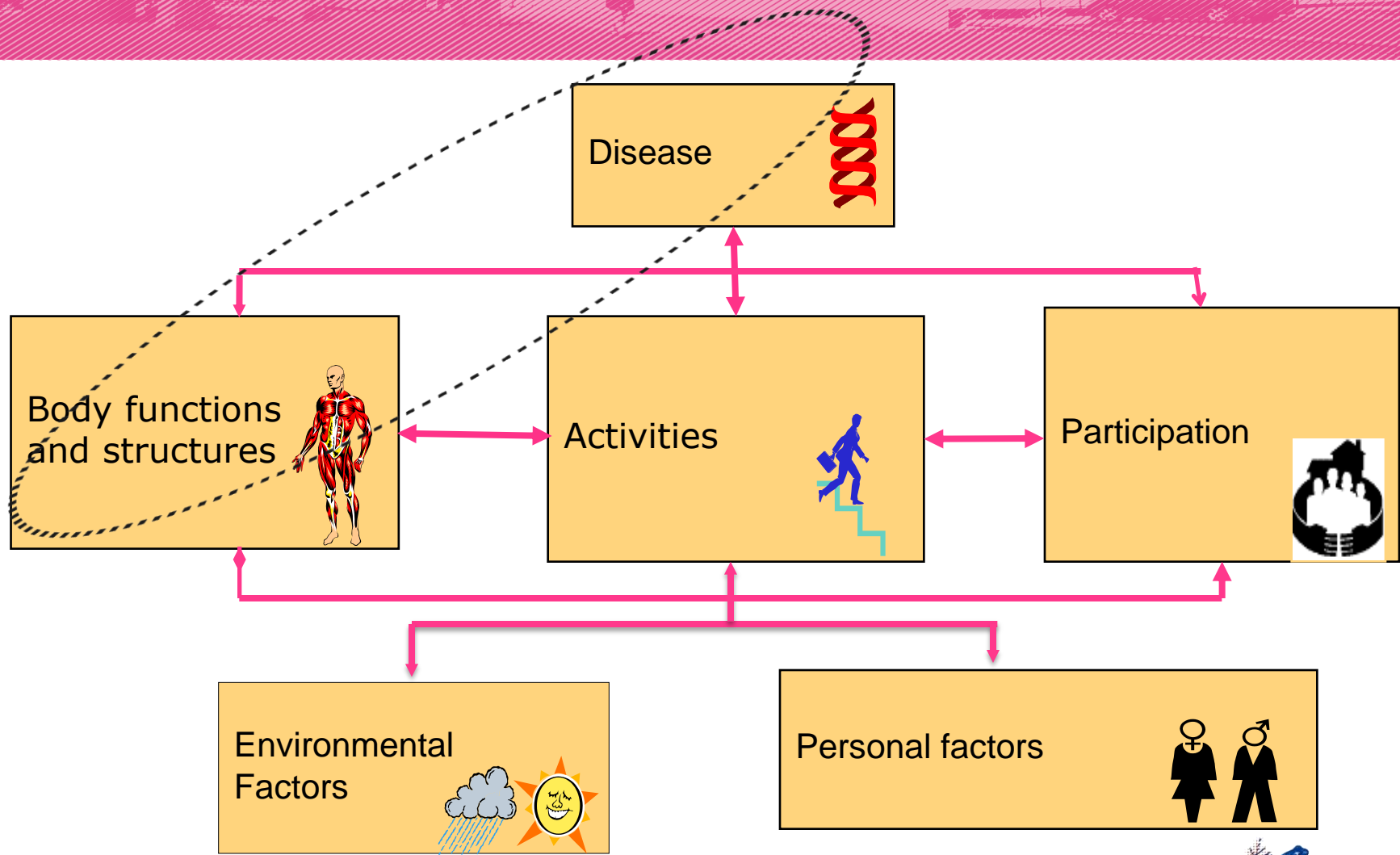


Structure of the ICF

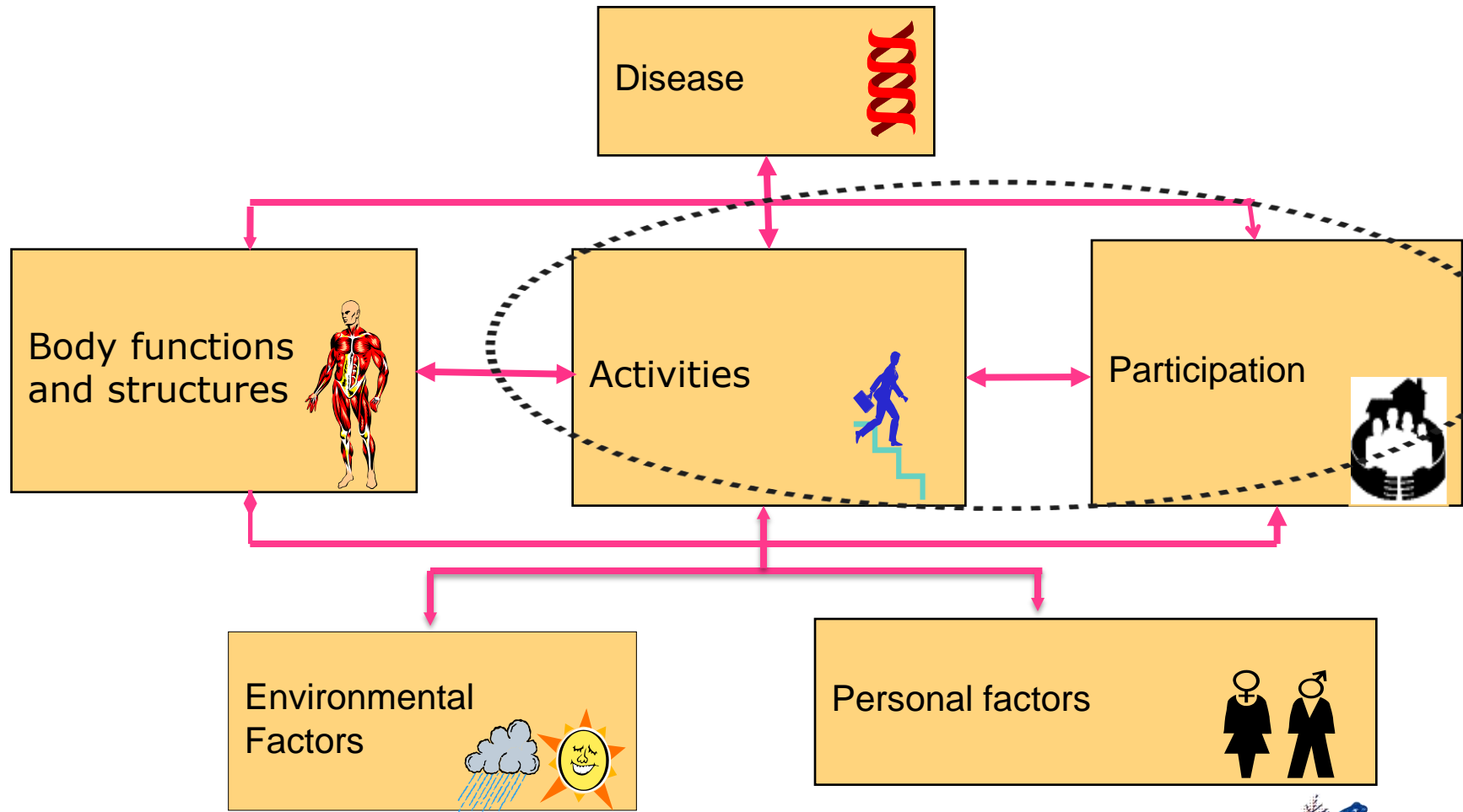


<http://class.who-fic.nl/browser.aspx?scheme=ICF-nl.cla>

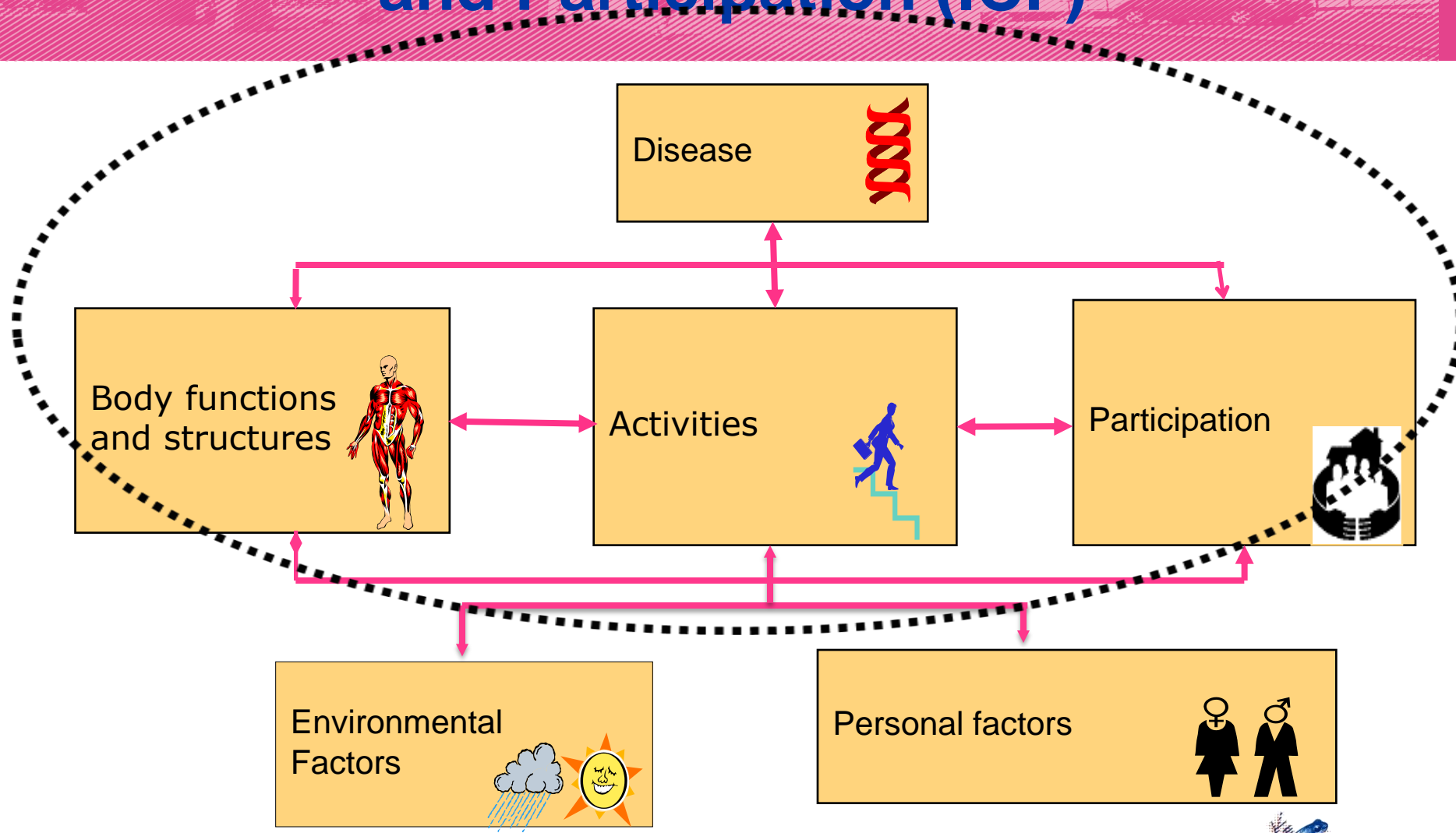
Cure = coded in disease (ICD) or impairments in Body functions & structures (ICF) and not in Activities and Participation (ICF)



Care = coded in Activities and Participation (ICF) and not in disease (ICD) or impairments in Body functions & structures



Cure and care = coded in disease (ICD) or Body functions & structures and in Activities and Participation (ICF)



Research question

- To what extent are graduate theses focused on cure, care, or on the intersection of cure and care?
- What is the content of graduate theses and how can this content be coded in the components of the WHO's conceptual model of health?



Method

- Sequential exploratory mixed methods design¹
 - qualitative deductive approach: theses were coded in components health model (coding manual)
 - quantitative approach: algorithm classified cure, care, cure and care
- 413 published abstracts (2000-2015) of 1 MANP
 - Aim, research question and conclusion were extracted from each thesis abstract
 - Graduate characteristics: Age, gender, year of graduation, and work field were obtained
- Researchers classified the theses
 - 3 MANP lectures trained in using the conceptual model including ICD and ICF codes
 - 1 ICF expert: gold standard
- Creswell, J. (2012). *Educational research: Planning, conducting, and evaluating quantitative and qualitative research* (4th ed.). Upper Saddle River, NJ: Pearson Education

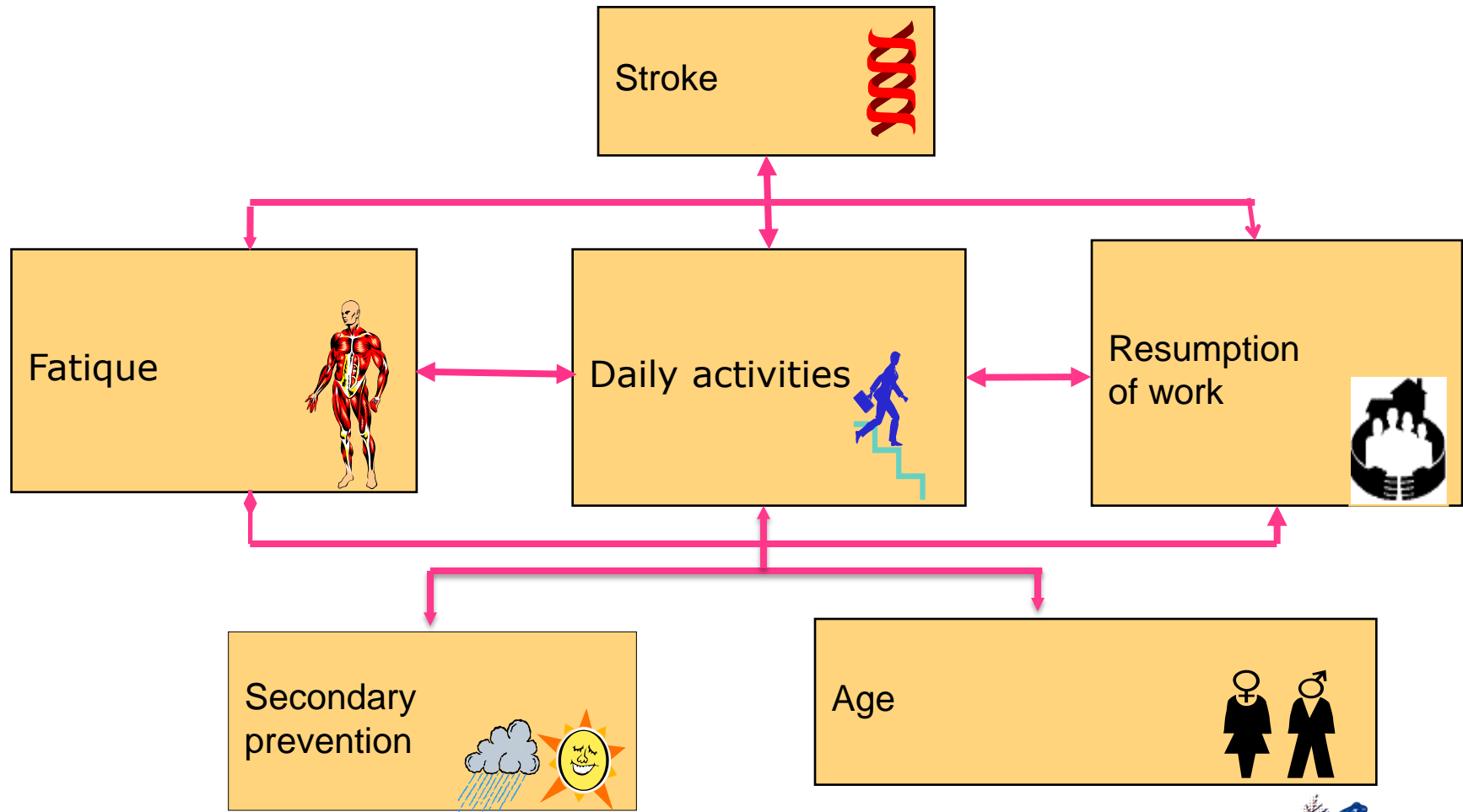


Example of a research question of thesis

- “What is the effectiveness of secondary prevention related to fatigue, daily activities, and resumption of work in stroke patients related to age?”



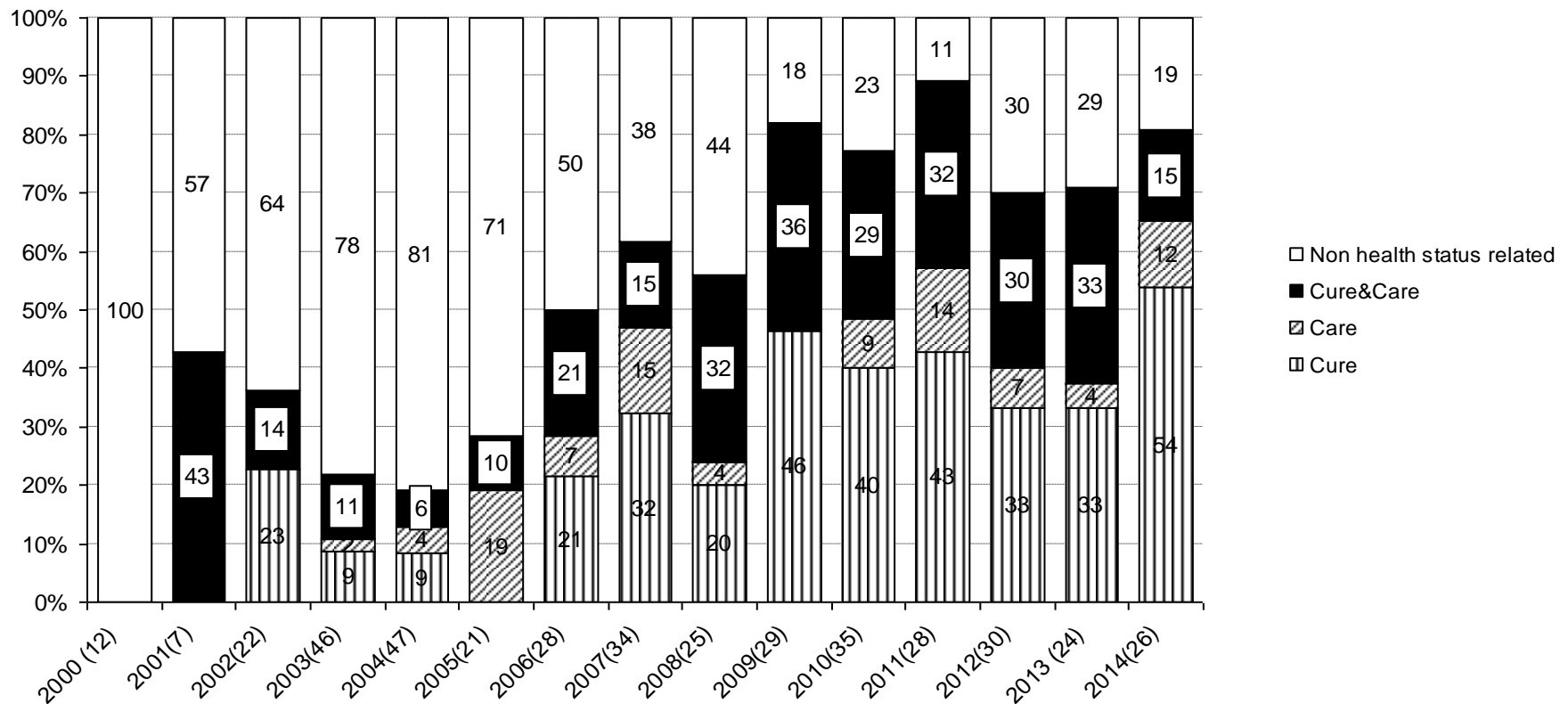
Coding of a thesis



Results

- 53% (n=219) oriented towards health status
 - 48% cure
 - 39% cure en care
 - 13% care
- Thesis oriented towards patient health status increased significantly from the period 2000-2015
- Cure, care and cure en care theses remained the same

Cure, care, cure en care



Percentage of theses with different focuses per year; between brackets the number of theses published in that year (sig. chi-square for trend $p < 0.001$; $\phi = 0.5$).

Diseases in health status-oriented theses ordered by frequency

Diseases (ICD chapters)	Total <i>n</i> (%)	Cure <i>n</i> (%)	Cure and care <i>n</i> (%)
Mental and behavioral disorders	45 (20)	31 (29)	14 (17)
Circulatory system	41 (19)	23 (22)	18 (21)
Neoplasms	17 (8)	8 (8)	9 (11)
Nervous system	16 (7)	7 (7)	9 (11)
Endocrine, nutritional and metabolic	17 (8)	12 (11)	5 (6)
Respiratory system	15 (7)	6 (6)	9 (11)
Musculoskeletal system	11 (5)	6 (6)	5 (6)
Infectious diseases	7 (3)	2 (2)	5 (6)
Genitourinary system	6 (3)	3 (3)	3 (4)
Digestive system	5 (2)	4 (4)	1 (1)
Blood and immune mechanism	4 (2)	3 (3)	1 (1)
Skin	3 (1)	0 (0)	3 (4)
Not specified	3 (1)	1 (1)	2 (2)
Pregnancy, childbirth, puerperium	1 (1)	0 (0)	1 (1)
Total <i>n</i> (%) within disease	191 (87)	106 (48)	85 (39)

ICD: International Classification of Diseases. Note: Care-focused theses ($n = 28$; 13%) are left out because diseases were not included in these theses.



Activities and participation in health status-oriented theses ordered by frequency

Activities and participation (ICF chapters)	Total <i>n</i> (%)	Care <i>n</i> (%)	Cure and care <i>n</i> (%)
Self-care	42 (19)	11(39)	31 (37)
Not specified	40 (18)	9 (32)	31 (37)
Interpersonal interactions and relationships	13 (6)	3 (11)	10 (12)
Learning and applying knowledge	11 (5)	2 (7)	9 (10)
General tasks and demands	2 (1)	2 (7)	0 (0)
Mobility	2 (1)	1 (4)	1 (1)
Domestic life	2 (1)	0 (0)	2 (2)
Major life areas	1 (1)	0 (0)	1 (1)
Communication	0 (0)	0 (0)	0 (0)
Community, social, and civic life	0 (0)	0 (0)	0 (0)
Total <i>n</i> (%) within activities and participation	113 (52)	28 (13)	85 (39)

ICF: International Classification of Functioning, Disability and Health. Note: Cure-focused theses (*n* = 106 ;48%) are left out because activities and participation were not included in these theses



Conclusion

- Graduate theses reflected that nurse practitioners are increasingly oriented towards patients' health status
- Graduate theses are predominantly on cure, rather than on the intersection of cure and care
- The Master of Advanced Nursing Practice should address the inconsistency between the competency profile of the nurse practitioner and their graduates' focus on the intersection of cure and care
- The conceptual model of health including the integration of disease (ICD) and functioning (ICF) should be considered for incorporation in curricula of the Master of Advanced Nursing Practice.



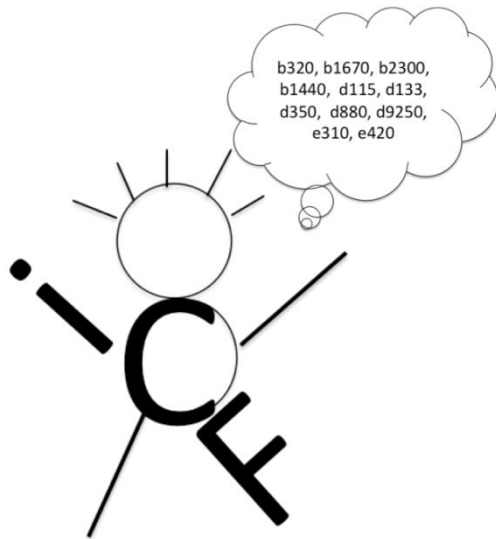
Next

- Publication Journal of Advanced Nursing



- Studied the effects of a short ICF training on perceived usefulness of the ICF in a randomized controlled trial in Master of Advanced Nursing Practice students

Questions?



For more information, visit:

www.youtube.com search: **UMCG ICF**