



5th Vasco da Gama Movement Forum

26-27 January 2018, Porto, Portugal

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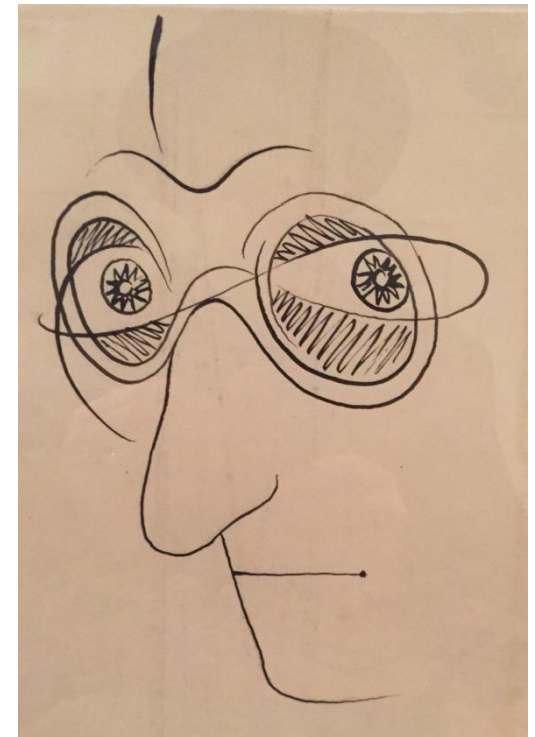
Core Content Classification in General Practice/Family Medicine (3CGP).

A New Indexing System for General Practice Knowledge Management

<http://3cgp.docpatient.net/publications/>

Qualitative analysis of GPs production

- Method : 3CGP = ICPC-2 + Q-Codes
 - www.hetop.eu
 - <http://3cgp.docpatient.net/publications>
- Results : WONCA 2007, CNGE 2013, CNGE 2014, SBMFC 2017, Coimbra 2018, Ongoing projects
- Discussion



Jose de Almada self-portrait.
Porto. Museo Soares dos Reis.

ICPC-2
17 chapters
+ Process

Clinical issues

734 concepts
22 languages

3CGP

www.hetop.eu

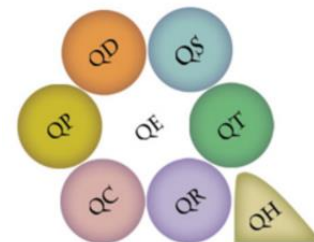
Q-Codes
8 domains

Contextual issues

187 concepts
10 languages

- [A general/unspecified](#)
- [B blood/blood forming organs/immune mechanism](#)
- [D digestive](#)
- [F eye](#)
- [H ear](#)
- [K circulatory](#)
- [L musculoskeletal](#)
- [N neurological](#)
- [P psychological](#)
- [Q Q-codes](#)**
- [Process](#)
- [R respiratory](#)
- [S skin](#)
- [T endocrine/metabolic/nutritional](#)
- [U urinary system](#)
- [W pregnancy, childbearing, family planning](#)
- [X female genital system including breast](#)
- [Y male genital system including breast](#)
- [Z social problems](#)

- [QC patient's category](#)
- [QD doctor's issue](#)
- [QE medical ethics](#)
- [QH planetary health](#)
- [QP patient issue](#)
- [QR research](#)
- [QS structure of practice](#)
- [QT knowledge management](#)



How?

Title of the theses	ICPC1	ICPC2	ICPC3	Q-Code1	Q-Code2	Q-Code3	Year	Sender
Atendimento jovem - consulta diferenciada do				QC13	QD11	QS1	2008	F
Realização pessoal, sexualidade, depressão na	P76			QC13	QP52	QP43?	2008	M
A adesão anti-hipertensiva e a sua preponderância no controlo da doença	K86	Z11		Z11	QD31		2008	F
Redução do risco cardio-vascular global através da continuidade de cuidados assistenciais prestados a uma população hipertensa pelo	K	K86		QD31	QD25	QS41	2008	F
Ruídos de comunicação, as interrupções nas consultas – a visão do utente				QD11	QP25	QP41	2009	F
Quando suspeitar de mononucleose infecciosa – um caso clínico atípico	A75			QR36	QD32		2009	F
Os rastreios: cancro do colo do útero, cancro da mama e cancro do cólon e recto	X75	X76	D75			QD42	2009	M
Novas abordagens no rastreio do cancro da	X76					QD42	2009	F
Avaliação de qualidade do rastreio do cancro do colo do útero nas utentes do Centro de	X75				QS1	QD42	2009	F
Adesão à vacina contra o cancro do colo do	X75				QP43?	QD41	2009	F
Opções terapêuticas no tratamento da dor crónica na população idosa	A01			QC15	QD32		2009	F

Thesis in GP/FM Portugal, Coimbra (Data Ariana de Oliveira Tavares)

P35: vdgm_2018_35

01 *Type*
02 workshop

03

04 *abstract*
05 Title: Shifting boundaries, international opinions of euthanasia?
06 Proponents: Rianne van Vliet, Maïke Eppens.
07 Keywords: euthanasia.
08 Abstract: In this workshop we want to pay attention to what euthanasia entails in the Netherlands. We will talk about the guidelines and the role of the GP in this.
09 In the Netherlands, patients can choose euthanasia when they are in the terminal phase. In the Netherlands, 147,000 people die each year, of which 6,760 (4.6%) die through euthanasia or suicide aid. The number of patients who die through euthanasia grows each year. With the growing population of elderly people it is important to think about what our beliefs are of euthanasia. In this workshop we will compare the different views between the countries. We will discuss the pros and cons of euthanasia and talk about the grey boundaries as euthanasia in patients with dementia or psychiatric diseases. Also, we want to talk about the impact for us as a GP. Our aim is to inform, discuss and learn from each other.
10
11

☀ # Type

☀ # Title

☀ # QE31 Euthanasia

☀ # QT32 Guideline

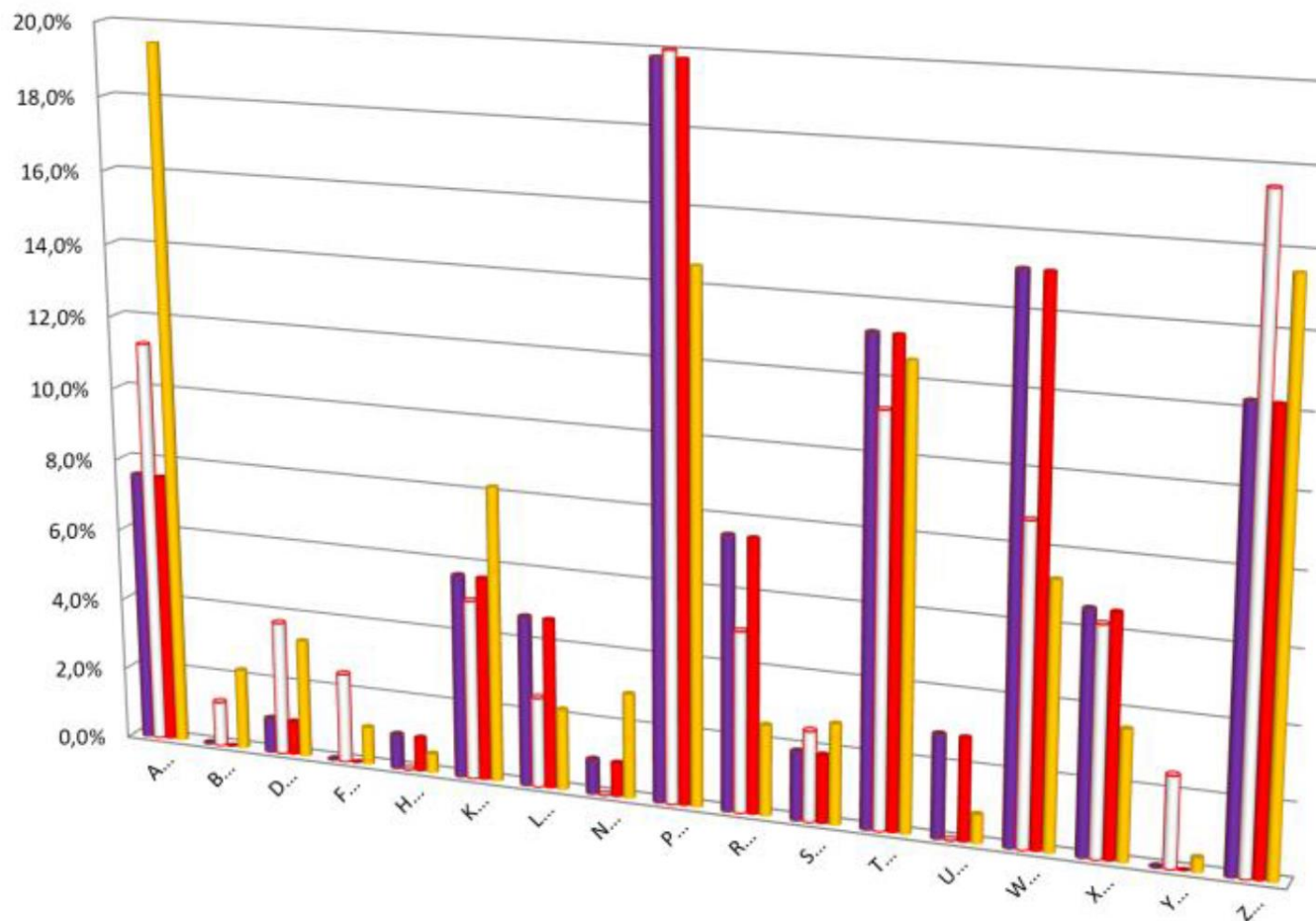
☀ # A20 Euthanasia request/discussion

☀ # QD8 Work-life balance

☀ # QS41 Family doctor

VDGM 2018 Abstract Software Atlas-ti. (Data Marc Jamouille)

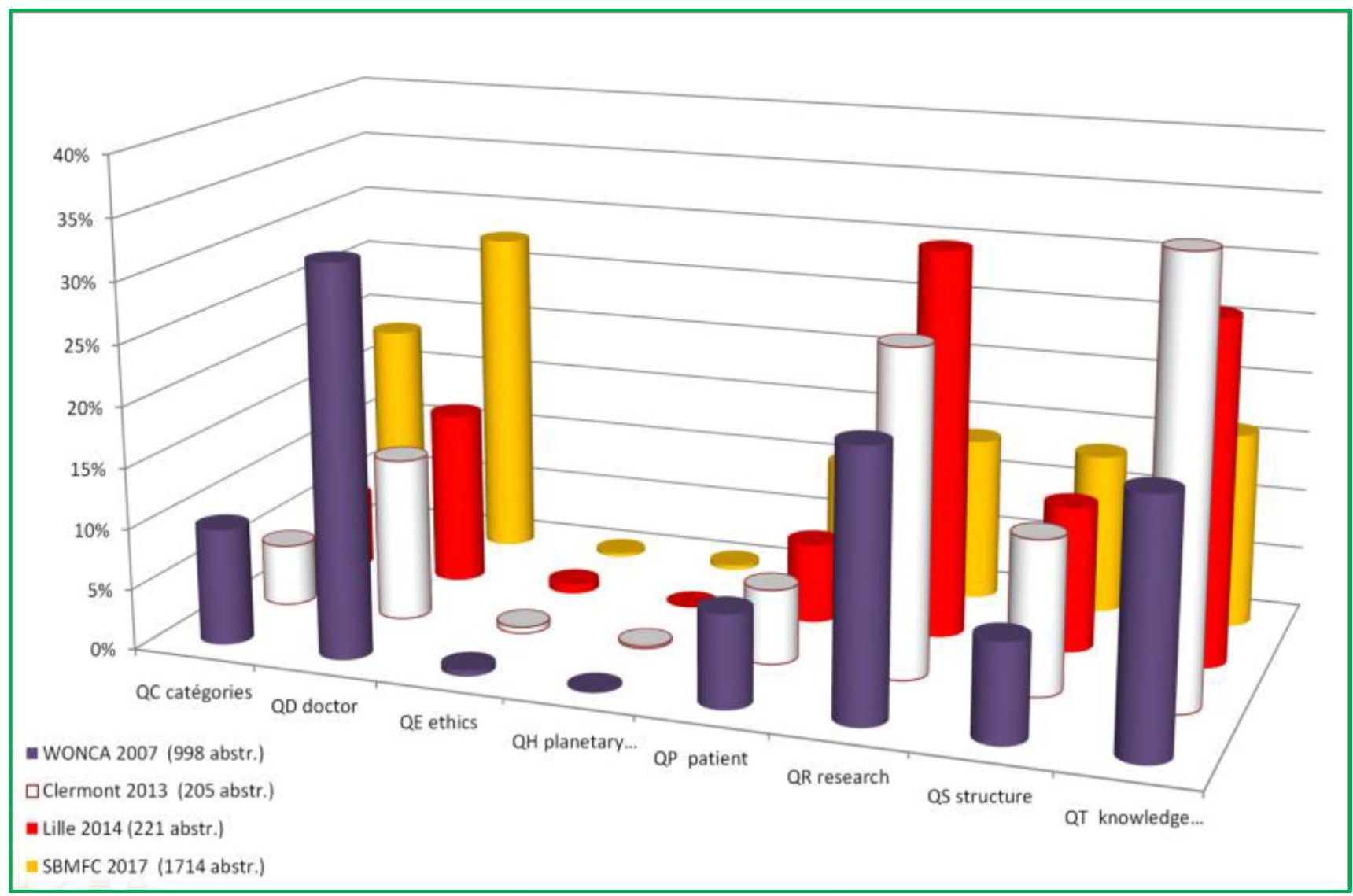
Results



	A gen.	B blood	D dig.	F eye	H hear	K circul.	L locom.	N neuro	P psycho	R respi	S skin	T metab	U uri	W pregn.	X male	Y female	Z social
■ WONCA 2007 (#998)	7,5%	0,0%	0,9%	0,0%	0,9%	5,7%	4,7%	0,9%	19,8%	7,5%	1,9%	13,2%	2,8%	15,1%	6,6%	0,0%	12,3%
□ CNGE 2013 (#205)	11,3%	1,3%	3,8%	2,5%	0,0%	5,0%	2,5%	0,0%	20,0%	5,0%	2,5%	11,3%	0,0%	8,8%	6,3%	2,5%	17,5%
■ CNGE 2014 (#221)	7,5%	0,0%	0,9%	0,0%	0,9%	5,7%	4,7%	0,9%	19,8%	7,5%	1,9%	13,2%	2,8%	15,1%	6,6%	0,0%	12,3%
■ SBMFC 2017 (#1714)	19,5%	2,3%	3,3%	1,1%	0,5%	8,2%	2,3%	2,9%	14,6%	2,5%	2,8%	12,6%	0,8%	7,3%	3,6%	0,4%	15,5%

Distribution of clinical concepts, ICPC-2. 4 congresses

Results



Distribution of conceptual concepts. Q-Codes. 4 congresses

Results

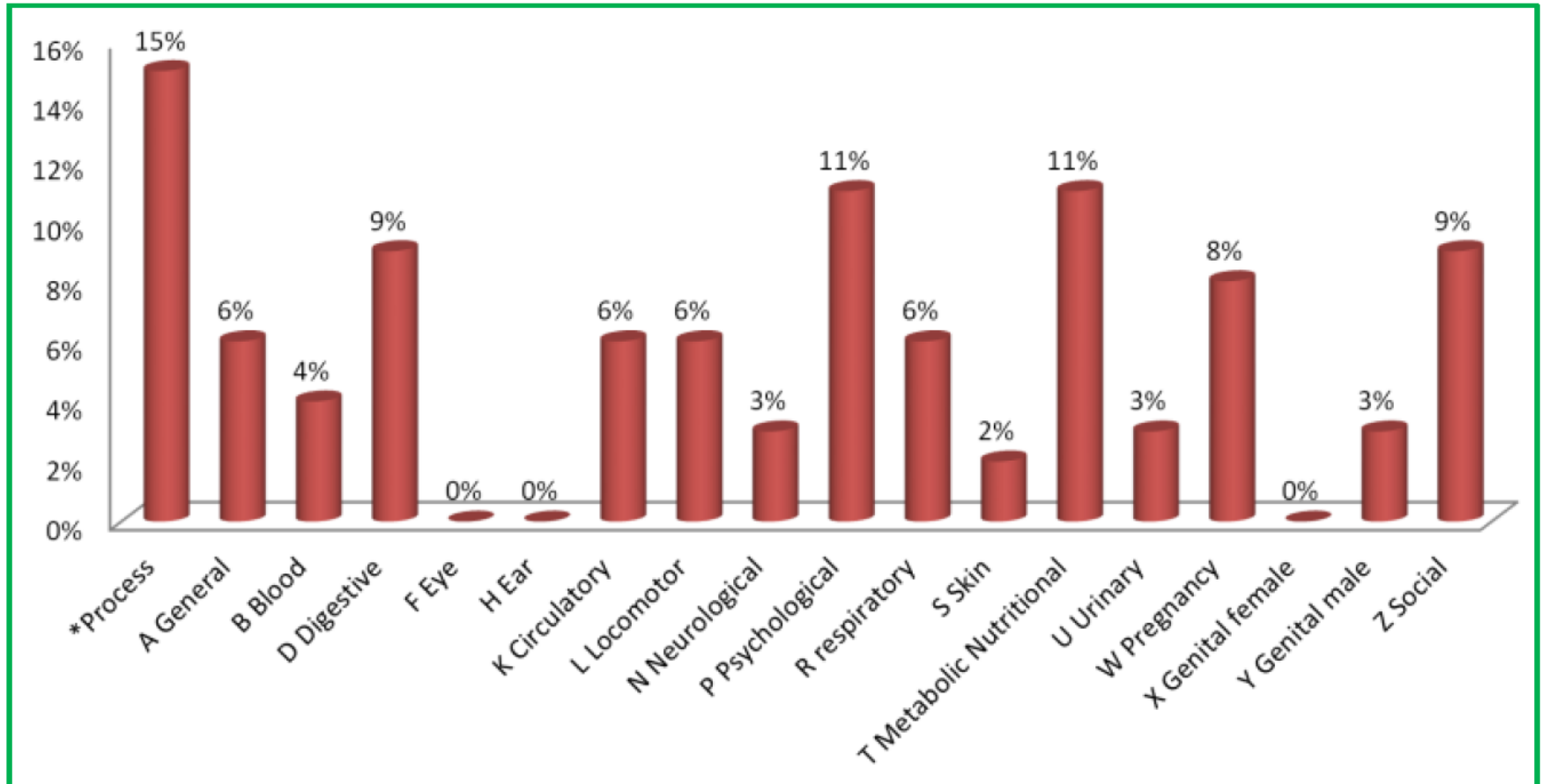


Figure 5 Clinical concepts addressed in the VDGM 2018 communications. 102 coding for 79 codes. (Expressed in % of ICPC-2 chapter)

Results

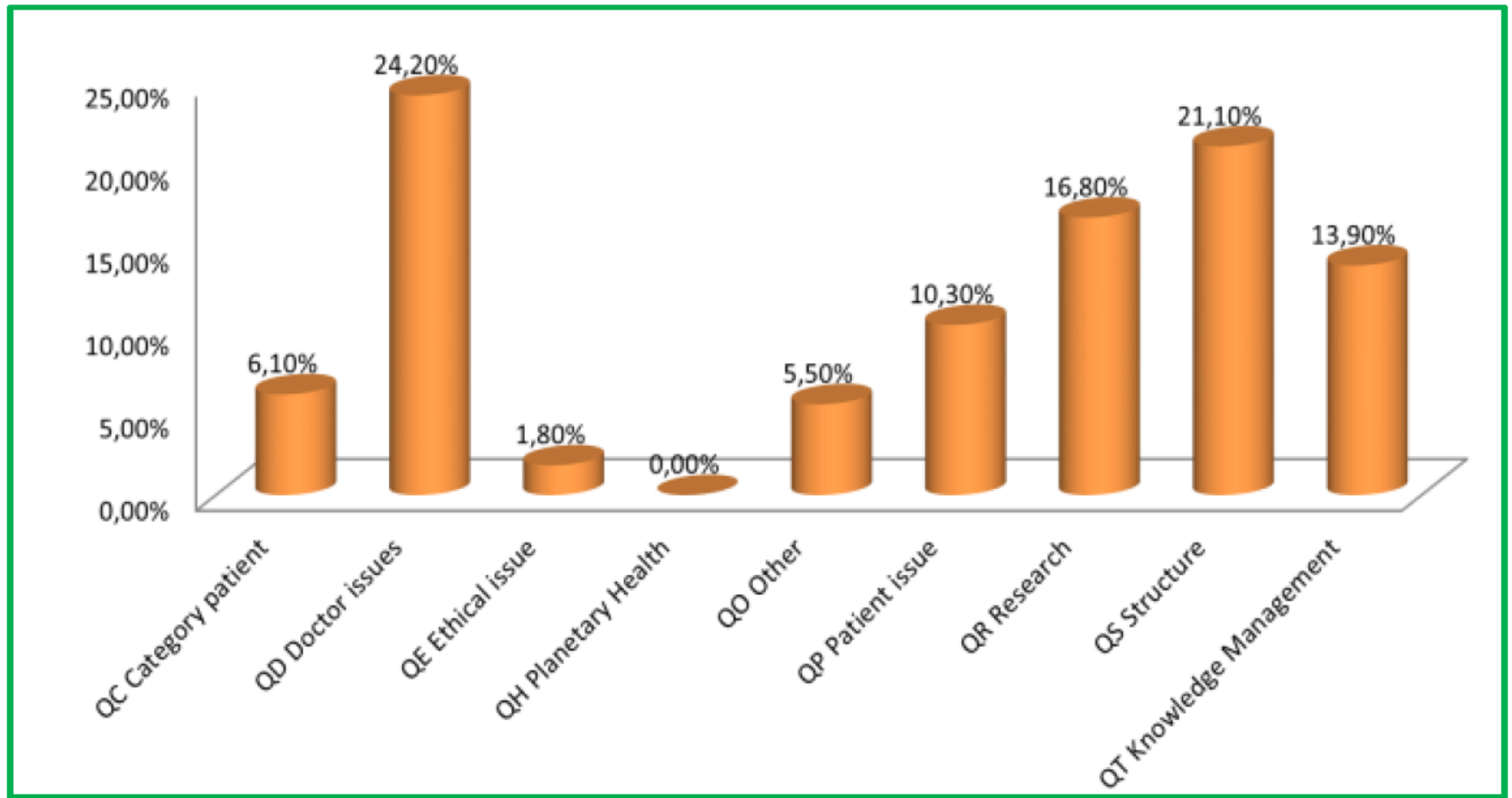
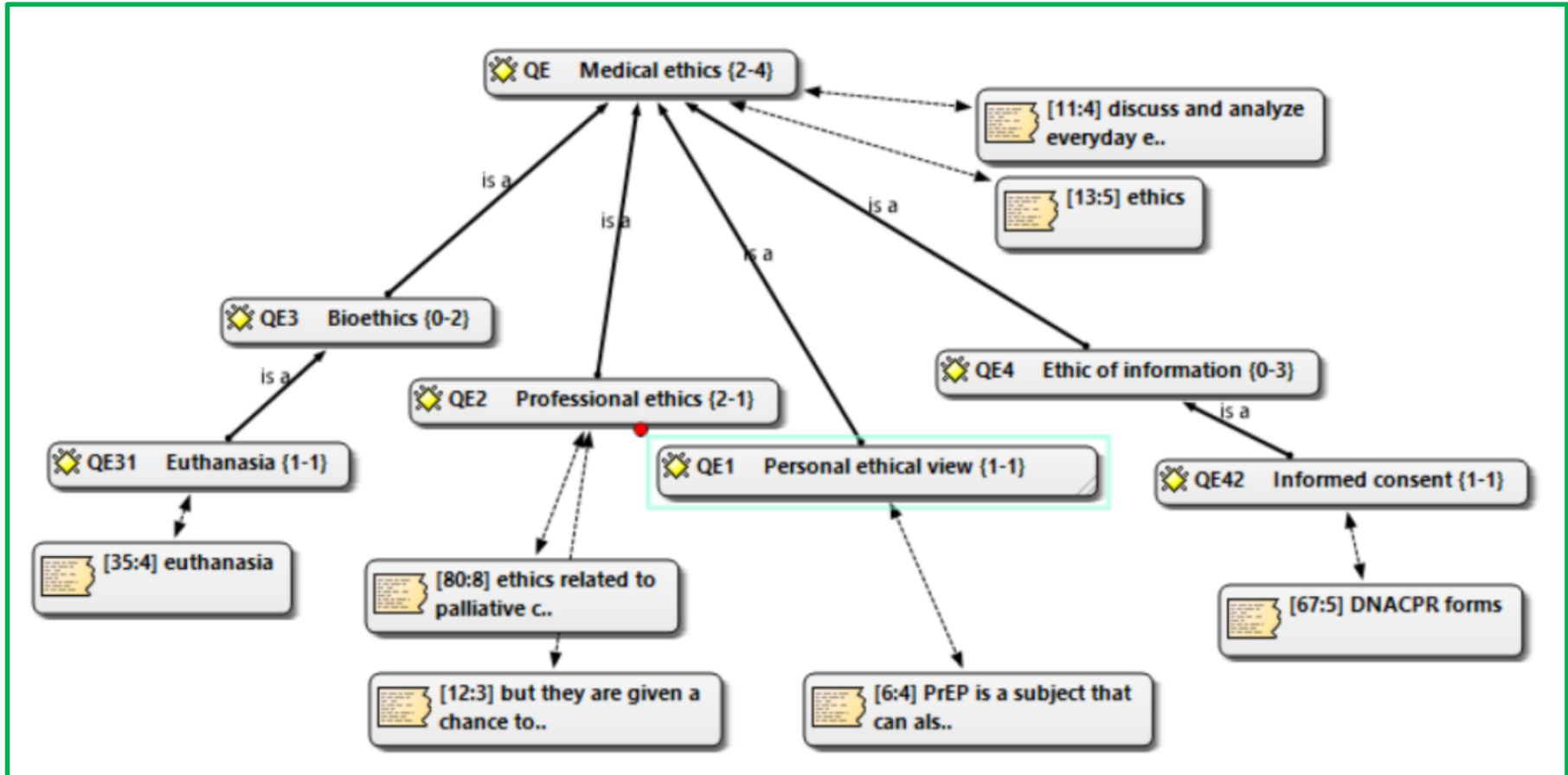
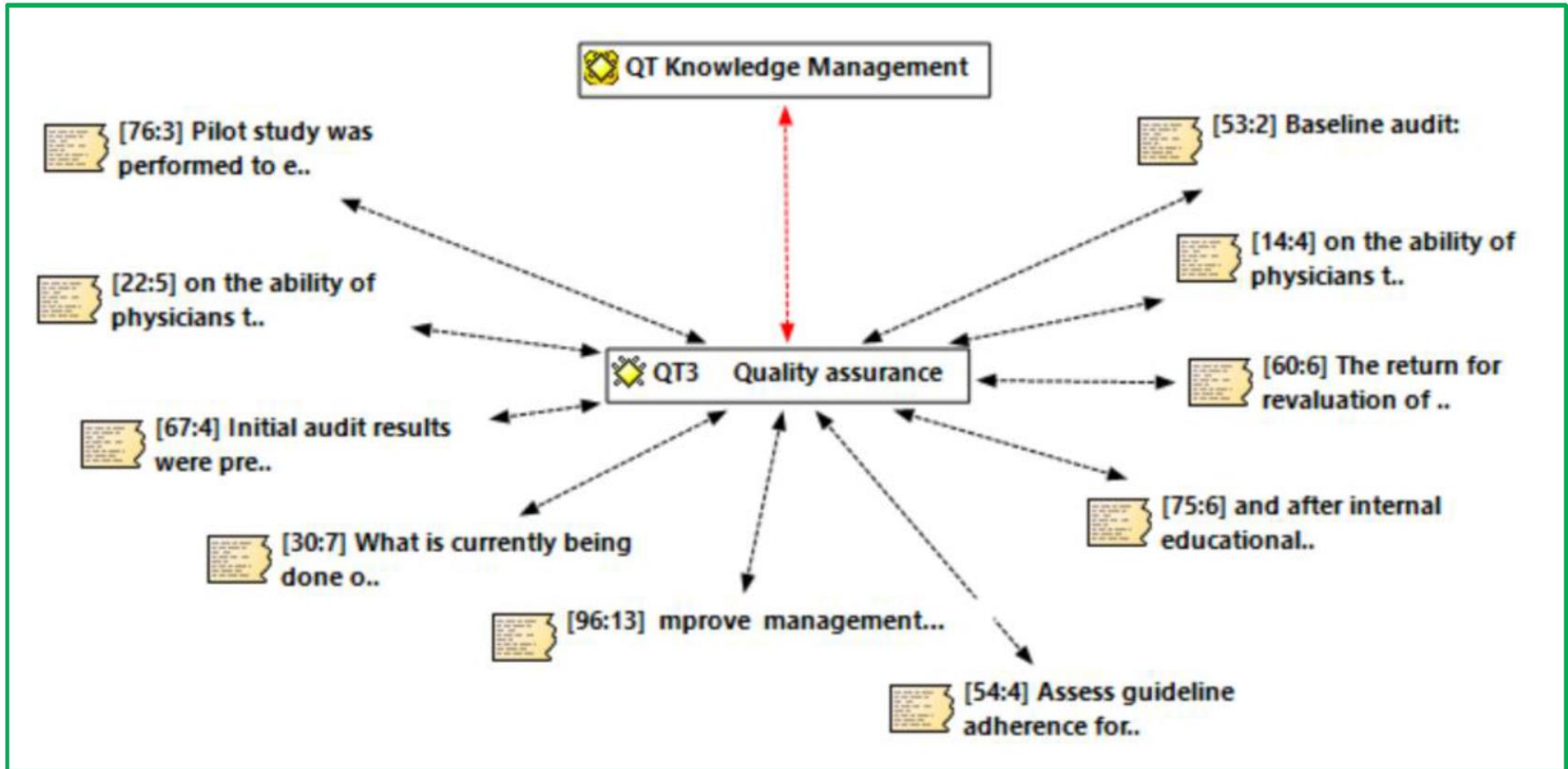


Figure 6 Contextual concepts (380 coding) addressed in the 97 VDGM 2018 communications. Number of coding and % of Q-Codes domains.



VDGM 2018 7 communications addressing ethical issues



VDGM 2018 10 communications addressing Quality Assurance

FIGURE 1.73: Distribution of 755 ICPC codes in 1746 abstracts accepted (384 oral presentations and 1,362 posters) (SBMFC – Curitiba – 2017) Importance of A (prevention), P (psychological), T (metabolic and nutritional) & Z (social problems) in the themes discussed.

(Data: courtesy of Daniel Knupp, SBMFC)

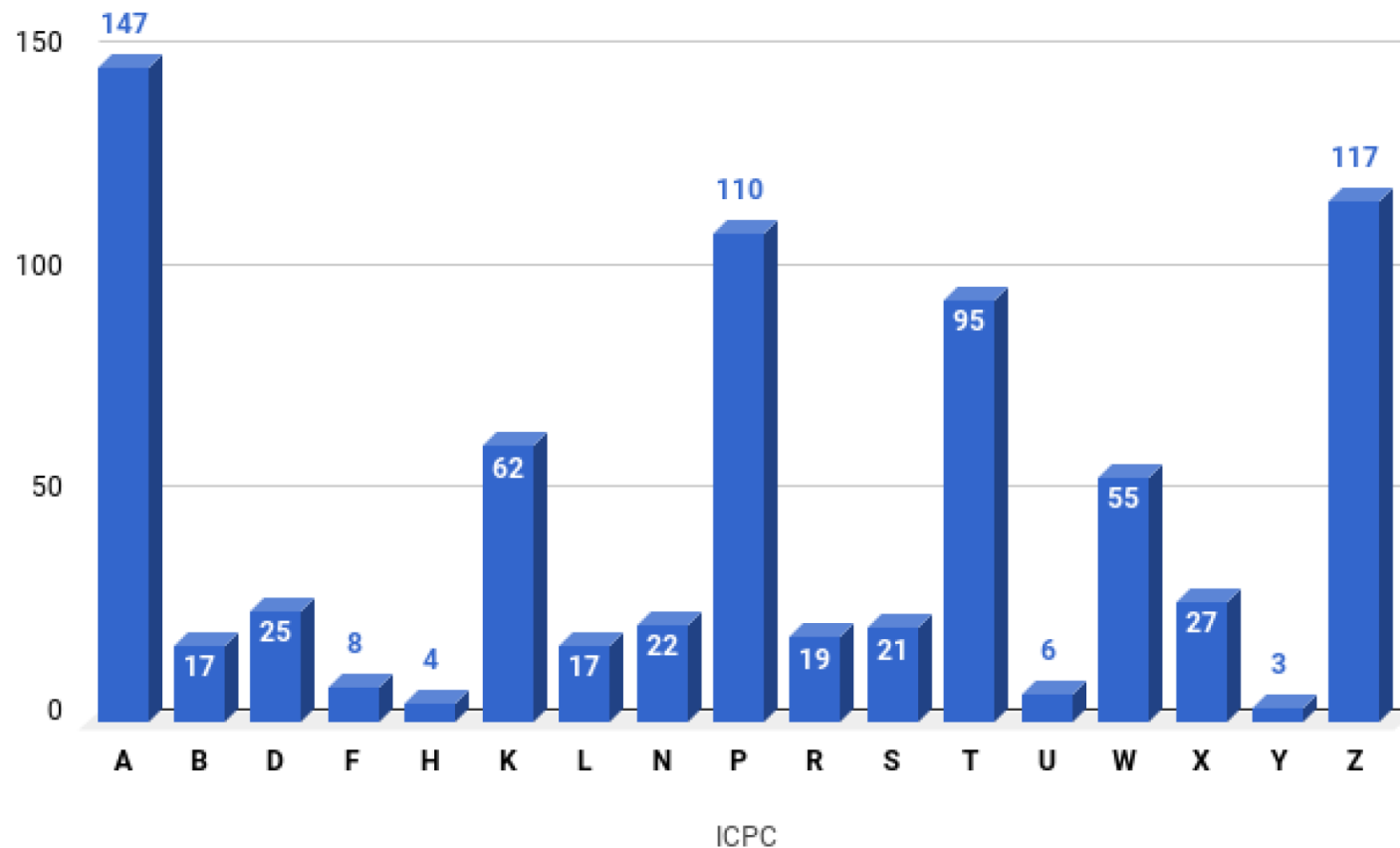
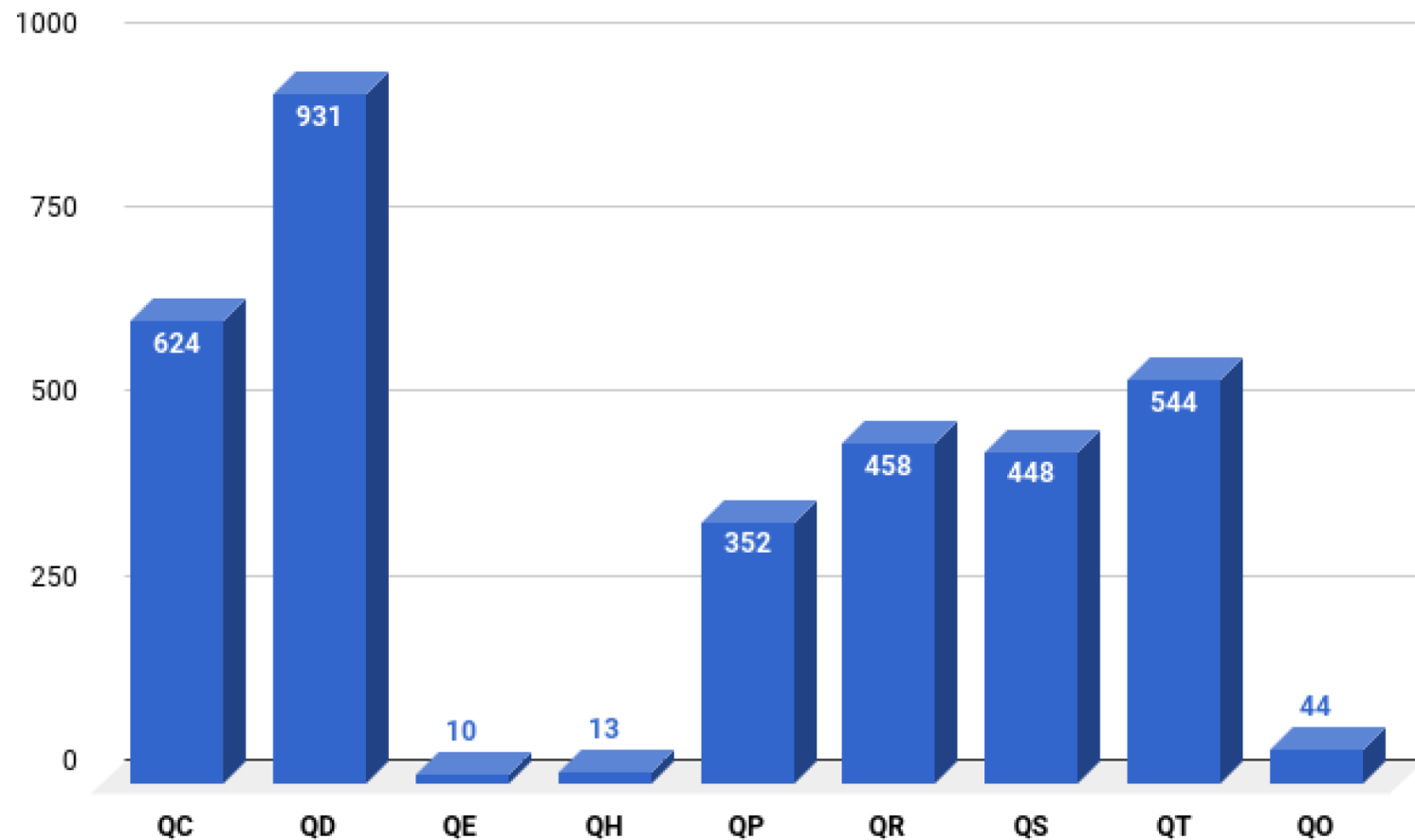


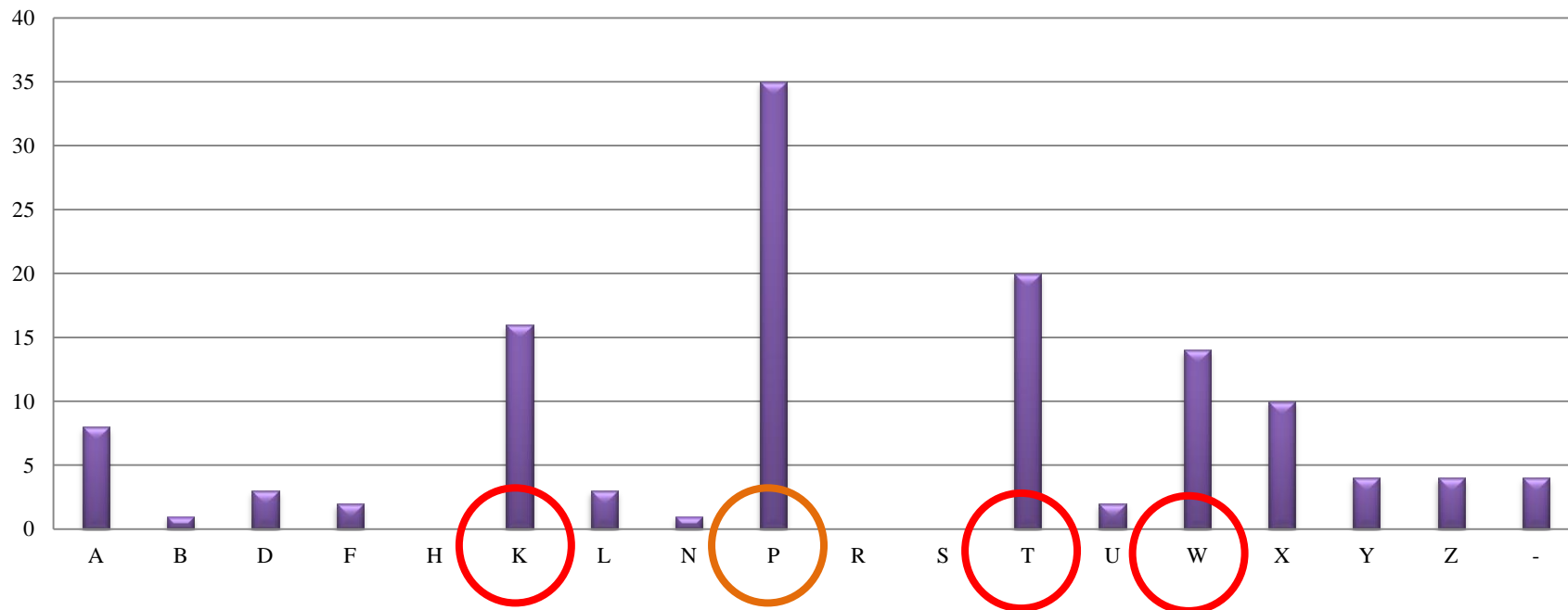
FIGURE 1.74: Distribution of 3,424 Q-Codes in 1746 abstracts accepted (384 oral presentations and 1362 posters) (SBMFC – Curitiba – 2017). Scarcity of ethical themes (QE) and Environmental problems (QH).
(Data: courtesy of Daniel Knupp, SBMFC)



Number of Master theses elaborated on FMUC, number of Q-codes and ICPC-2 codes applied in its codification

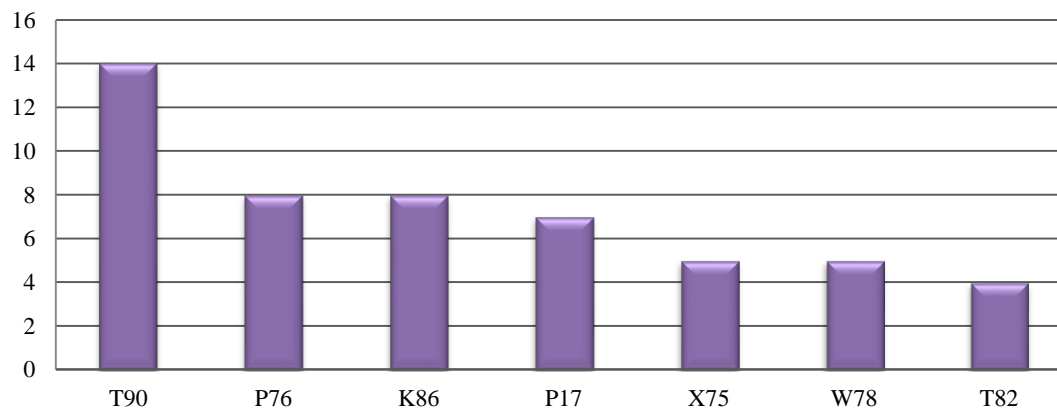
Ano	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Total de Teses	4	12	8	12	13	20	26	23	32	19	169 (100%)
Género	Masculino	1	1	1	3	3	7	3	9	8	39 (23,1%)
	Feminino	3	11	7	9	10	19	20	23	10	130 (76,9%)
Códigos Q	10	21	13	17	21	34	41	37	51	31	276
Códigos ICPC-2	5	11	11	14	12	16	16	16	20	12	133

Distribution of Clinical Concepts ICPC-2

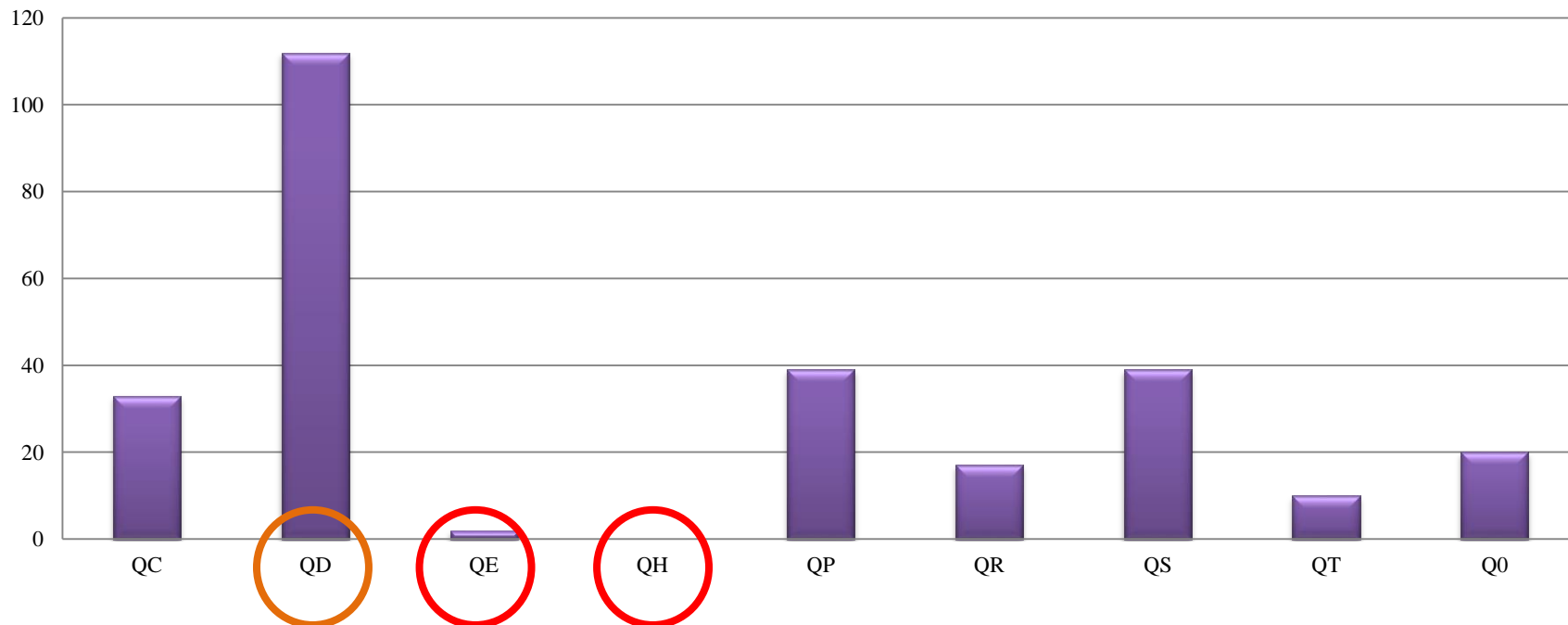


Most coded subcategories

- non-insulin-treated diabetes
- depressive disorders
- non-complicated hypertension

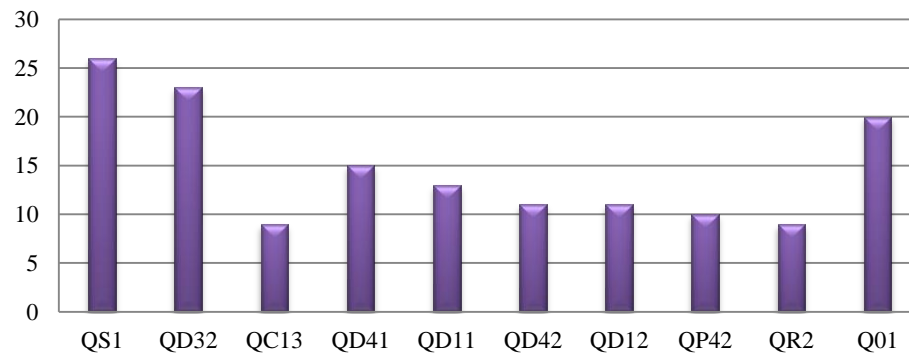


Distribution of Conceptual Concepts - Q-codes



Most coded subcategories

- works in primary health care
- health problems management
- non-classified topic



Why Qualitative analysis of GPs production?

- Identifying specific knowledge
- Preventing loss of knowledge
- Showing GPs extensive field of action
- Showing GPs intensive workload
- Showing emerging themes
- Showing missing themes
- Making the history of GP/FM
- Make GPs proud of their work
- Network facilitation
- Congress organisation
- Teaching GP/FM
- Bibliographic access
- Prepare GPs knowledge repository



Biombos do Barro do Sul. 16th century. Porto
Museo Soares dos Reis. Detail

Discussion

- 3CGP, a new indexing system in GP/FM available in OWL and free of use for research
- Experiences of human indexing ongoing
- First step of automatic annotation ongoing
- Good face validity, maybe Generalisability,
- Reproducibility, Inter-doctor variations not tested
- Maintenance? Acceptability by the GP community?



Opening ceremony, VDGM 2018

Further reading

The full analysis of the present congress, this presentation and Ariana's master thesis are available on <http://3cgp.docpatient.net/publications/>

Marc Jamouille, MD, PhD Qualitative analysis of the communications to the WONCA group Vasco De Gama annual meeting 2018, Porto. [Report to the VDGM group](#). January 2018

Marc Jamouille, Ariana de Oliveira Tavares, Susana Medeiros, Luís Miguel Santiago, Daniel Knupp. Core Content Classification in General Practice/Family Medicine (3CGP). A New indexing system for General Practice Knowledge management. [Conference proceeding](#). 5h Vasco De Gama Forum. Porto. 26-27 January 2018

Ariana de Oliveira Tavares. "Contexto e Clínica nos Trabalhos Finais do Mestrado Integrado em Medicina Geral e Familiar, em Coimbra" Mestrado Integrado em Medicina, Faculdade de Medicina da Universidade de Coimbra. 2018

Thank you



Jose de Almada. Pen draw
Porto. Museo Soares dos Reis.