

Content analysis of abstracts of communications of GPs during congresses, a step forward.

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The poster features a blue background with a white logo of a stylized globe with a caduceus-like symbol inside. To the right of the logo, the text reads "International Classification Committee" and "Wonca" in a large, bold font. Below this, it says "Open Day" and "Nova Medical School, Lisbon September 6, 2014". At the bottom, it lists "A joint organization:" followed by three logos: the Department of Family Medicine at NOVA Medical School, the Portuguese Association of General Practice and Family Medicine, and the WICC / Primary Health Care Classification Consortium.

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Abstracts

Author(s)

Title contains

Text contains

Conference

Apply

- ☐ Wonca Europe Congresses
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 - ☐ Wonca 2011 - Warsaw
 - ☐ Wonca 2010 - Malaga
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 - ☐ Wonca 2007 - Paris
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 - ☐ Wonca 2004 - Amsterdam
 - ☐ Wonca 2003 - Ljubljana
 - ☐ Wonca 2002 - London
 - ☐ Wonca 2001 - Tampere
 - ☐ Wonca 2000 - Vienna
 - ☐ Wonca 1999 - Palma de Mallorca
 - ☐ Wonca 1997 - Prague
 - ☐ Wonca 1995 - Strasbourg

GPs are working hard to gain the right to communicate during congresses

Often more than 50% of this work is not subject to publication
{ 55% VanRoyen 2010, 48% Hummers-Pradier 2007, 65% Post 2013}.

Lack of indexing system

50% of specific knowledge lost

This database contains all the abstracts presented during a WONCA Europe conference since 1995!

Conference

Title

Author(s)

Text

Existing Indexing systems

MeSH

25.000

“Because MeSH originally was intended for use with clinical documents, the problem has always been how to adapt it to cover the range of a family physician’s non-clinical activities”
{Dunikowsky 2014, personal comm.}

FAMLI 1980 - 1992

{Fitzgerald1980} {Dunikowsky 1992}

Pre Internet age / Ian R. McWhinney initiative

List of specific descriptors for GP/FM

MeSH related / Wonca backed

ICPC

Looks convenient for clinical themes including process

Don’t fit for non clinical issues

Not proven

Looking for an indexing system for non clinical theme

1987

Seminal ideas of Prof Henk Lamberts † UVA
 Q-Codes
 Pre Internet age
 Used with ICPC to code bibliography

Books



DBase



2007

Core Content Classification in GP/FM 3CGP
 Empirical construct , analyse of Wonca 2007 abstracts
 Followed in 2013 by analyse of APMGF Covilha abstracts

Excel



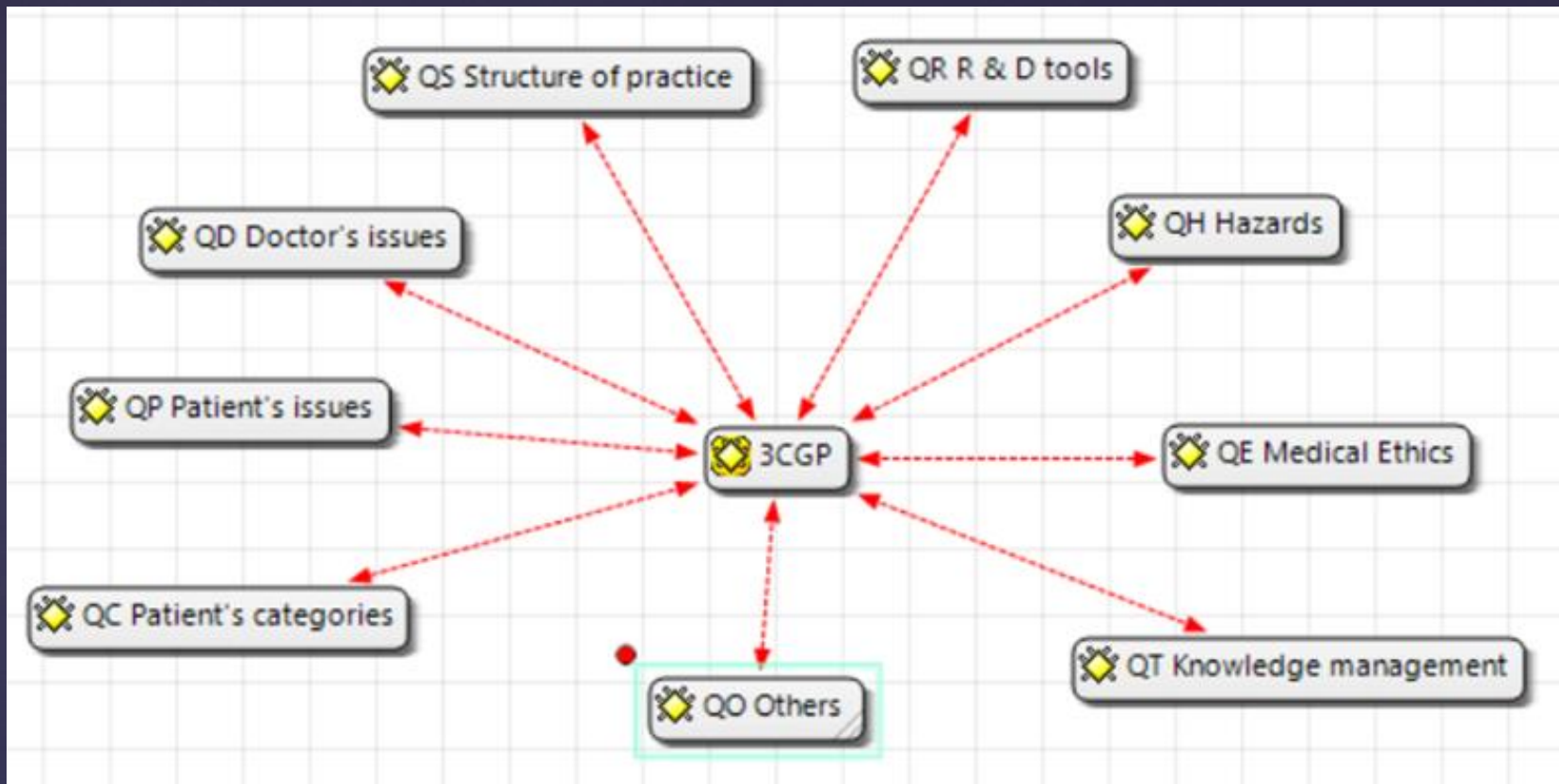
SQL

2014

Empirical construct (followed)
 Using Content Analysis Software ATLAS.ti
 4 more congresses (.fr. 2013 & 2014 /.ch 2014 /.be 2014.)

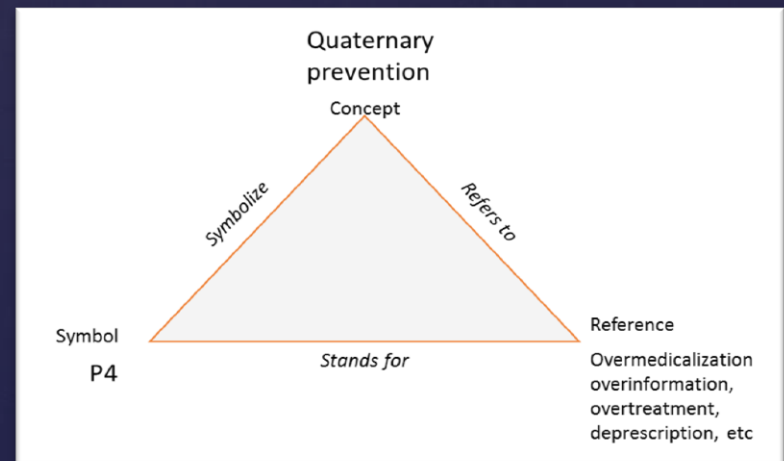


Semantic web

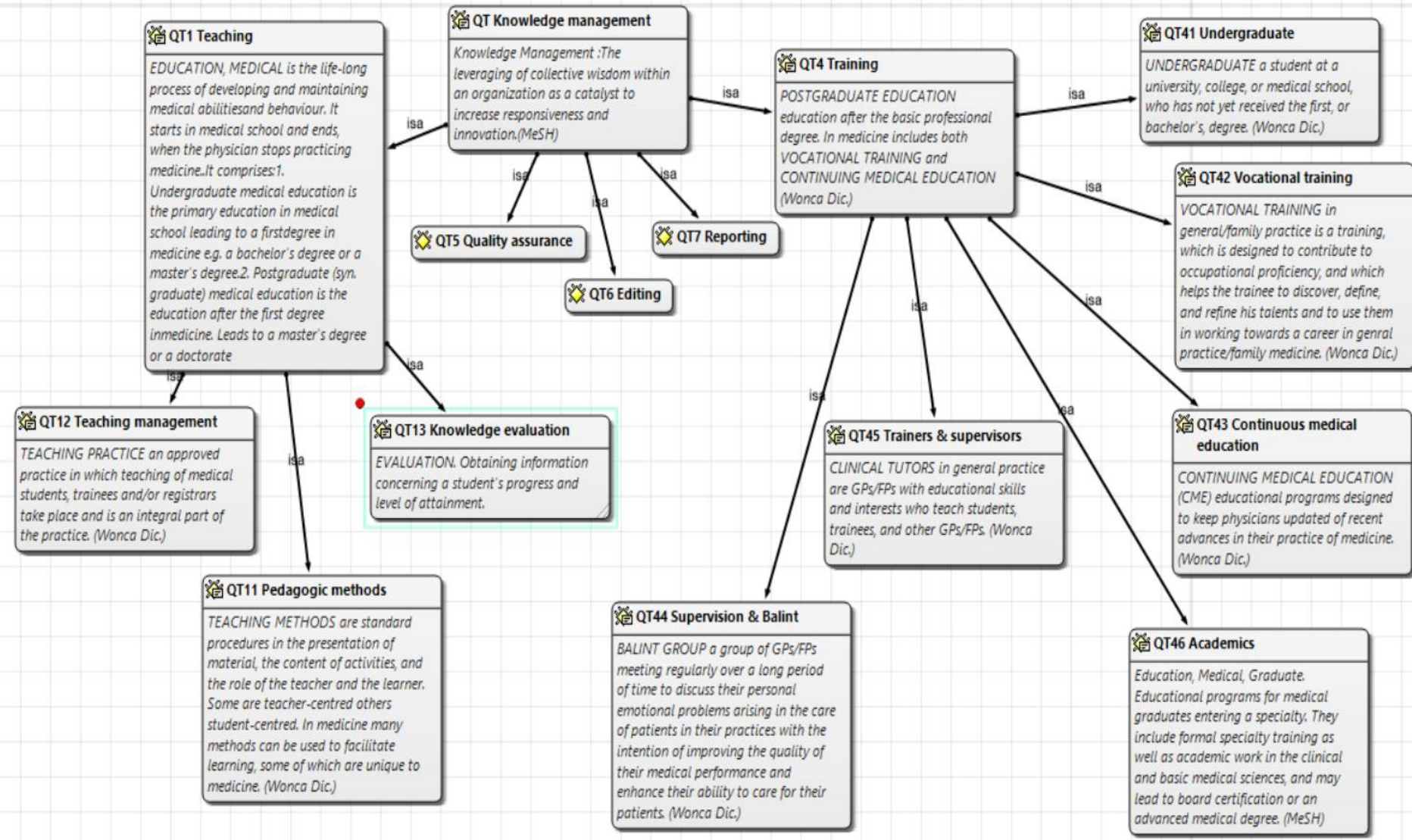


3CGP content

Eight domains and one rag bag, so far the best main domains I can observe on a conceptual basis



{Ogden & Richards 1923}

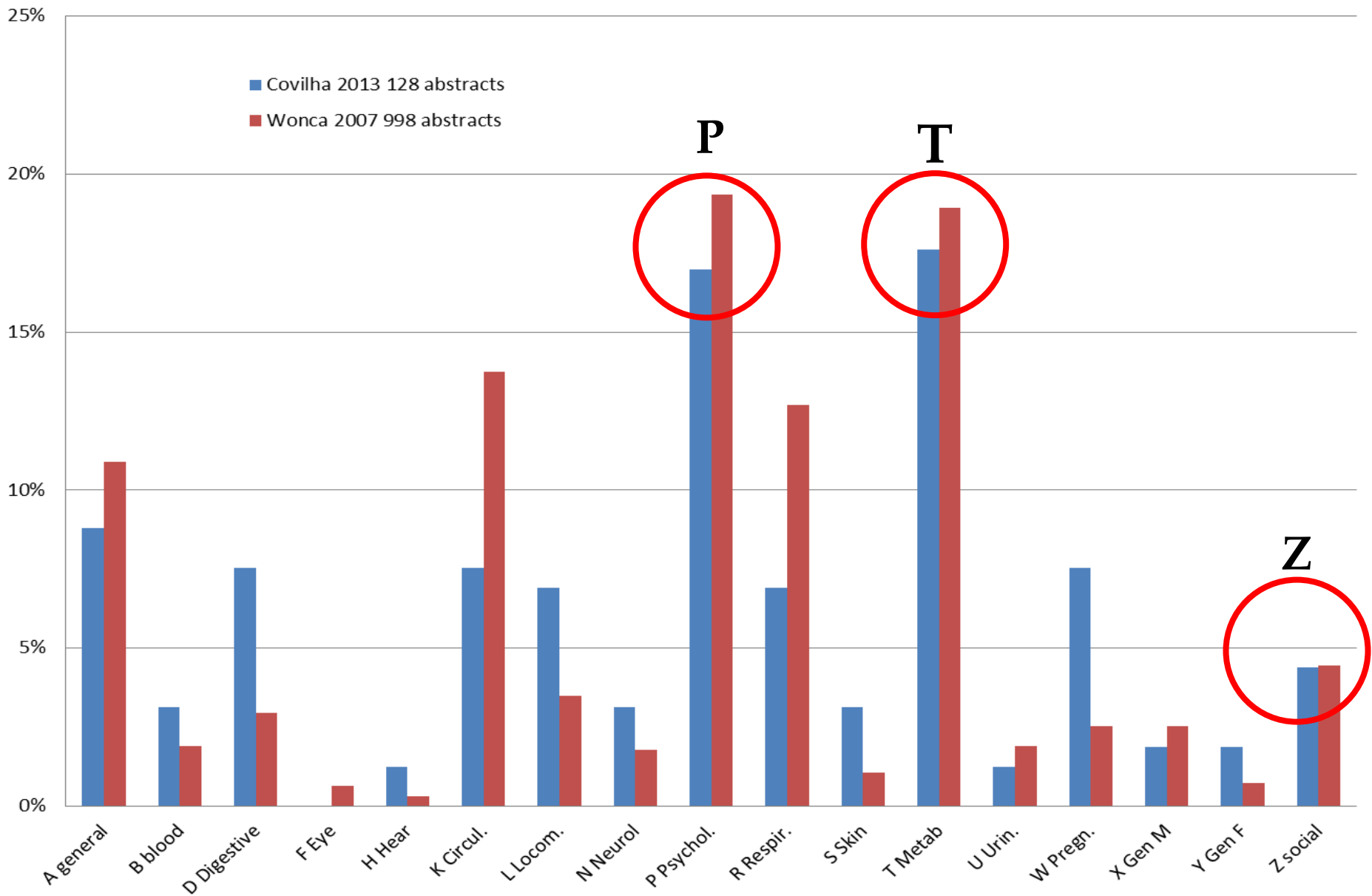


3CGP version 0.3 Opening of QT with content

Source of definitions ; Wonca Dictionary & MeSH

ICPC Chapters distribution in %

ICPC view / Excel method



3CGP view / Excel method

998 abstracts Wonca 2007

128 abstracts Covilha 2013

QC Categories de patient

QD Doctor's view

QE Ethical issues

QH Hazard

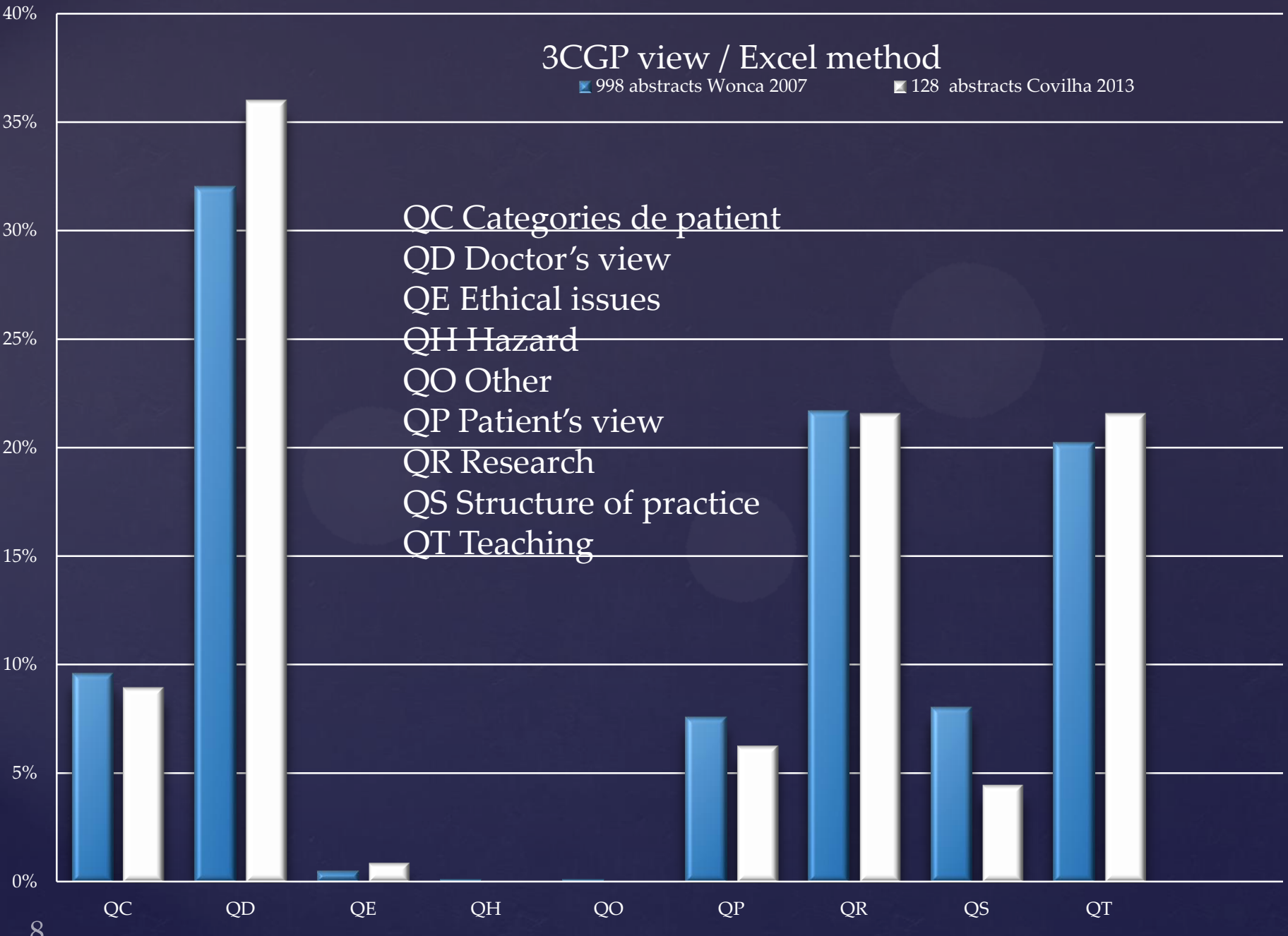
QO Other

QP Patient's view

QR Research

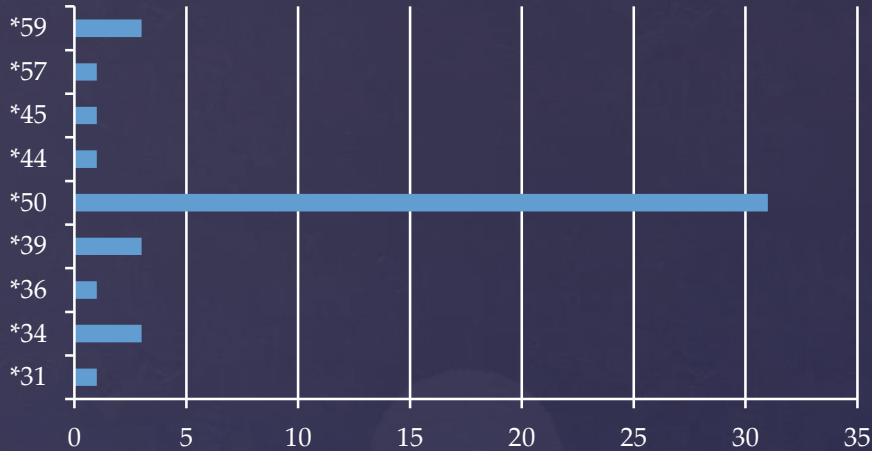
QS Structure of practice

QT Teaching



Some ICPC views / Excel method

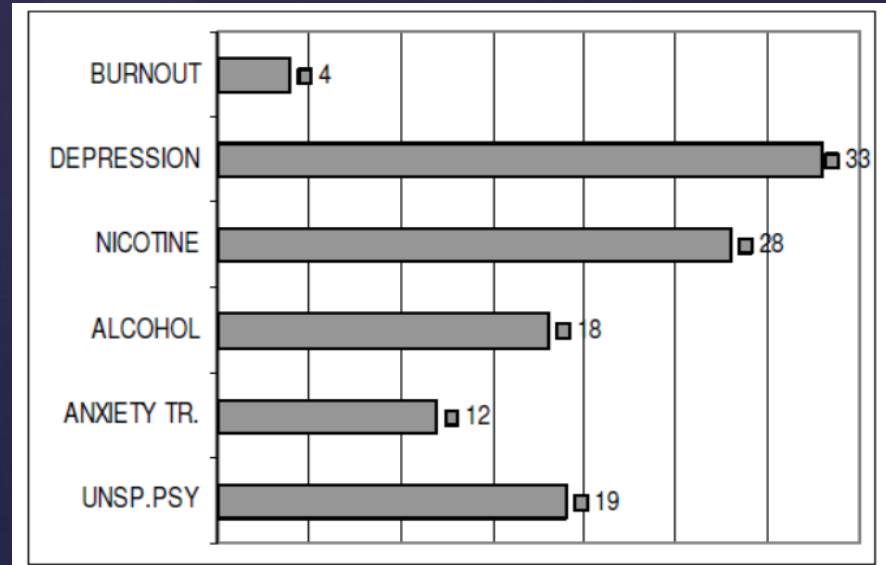
ICPC Process On 128 abstracts. Covilha 2013



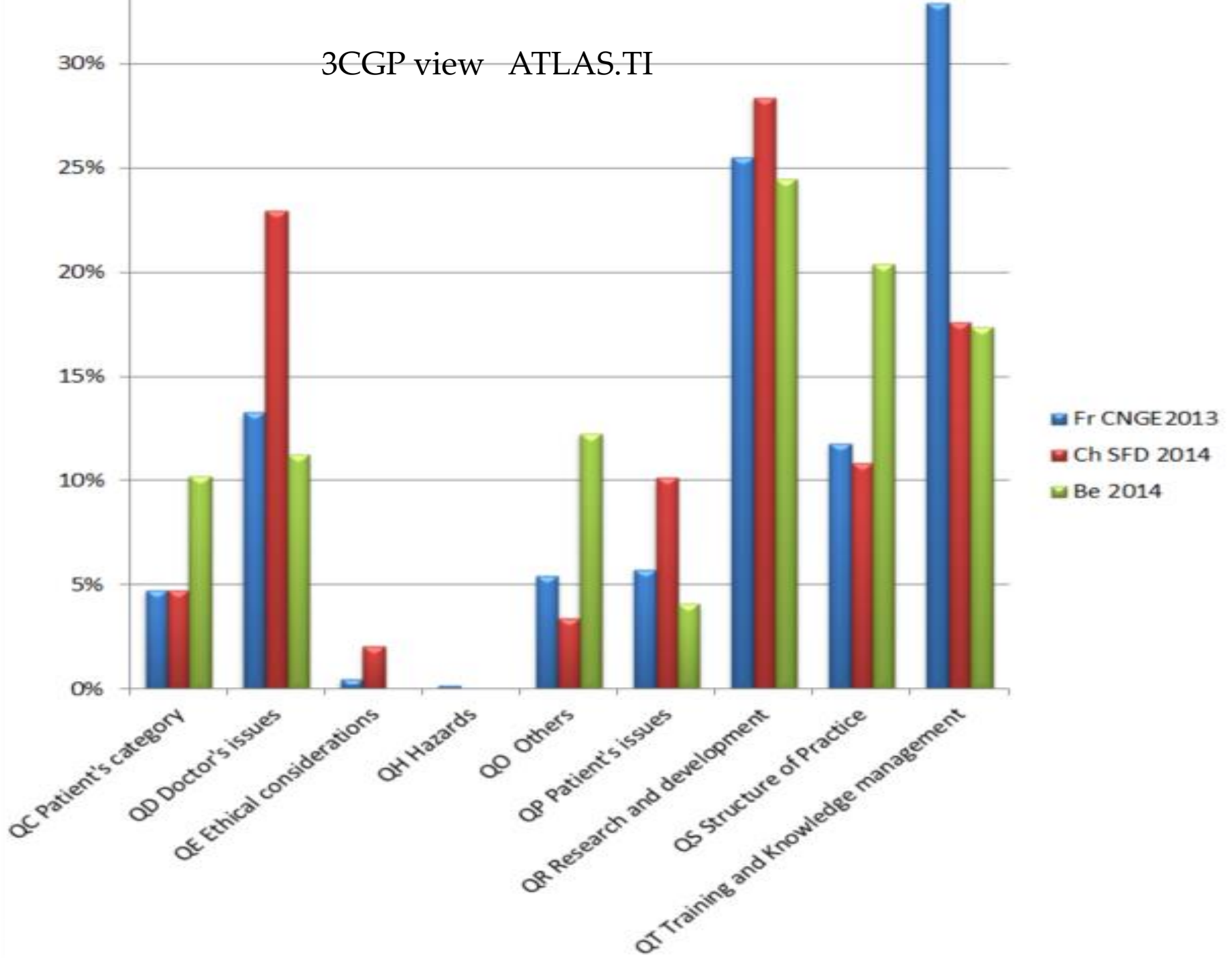
Portuguese GPs like to discuss drug issues

The workload of the GPs is heavy in the Psychological field

(998 abstracts Paris 2007)



3CGP view ATLAS.TI



◆ Z Social Problems	1
◆ Z01 Poverty/financial problem	5
◆ Z05 Work problem	3
◆ Z08 Social welfare problem	1
◆ Z10 Health care system problem	1
◆ Z18 Illness problem with a child	1
◆ Z22 Illness problem parent/family	1
◆ Z25 Assault/harmful event problem	1

Figure 28 Social problems. Coding of 205 abstracts Clermont 2013

◆ P Psychological	2
◆ P06 Sleep disturbance	1
◆ P15 Chronic alcohol abuse	1
◆ P18 Medication abuse	3
◆ P19 Drug abuse	2
◆ P70 Dementia	3
◆ P74 Anxiety disorder/anxiety state	1
◆ P76 Depressive disorder	3

Figure 29 Psychological problems Coding of 205 abstracts Clermont 2013

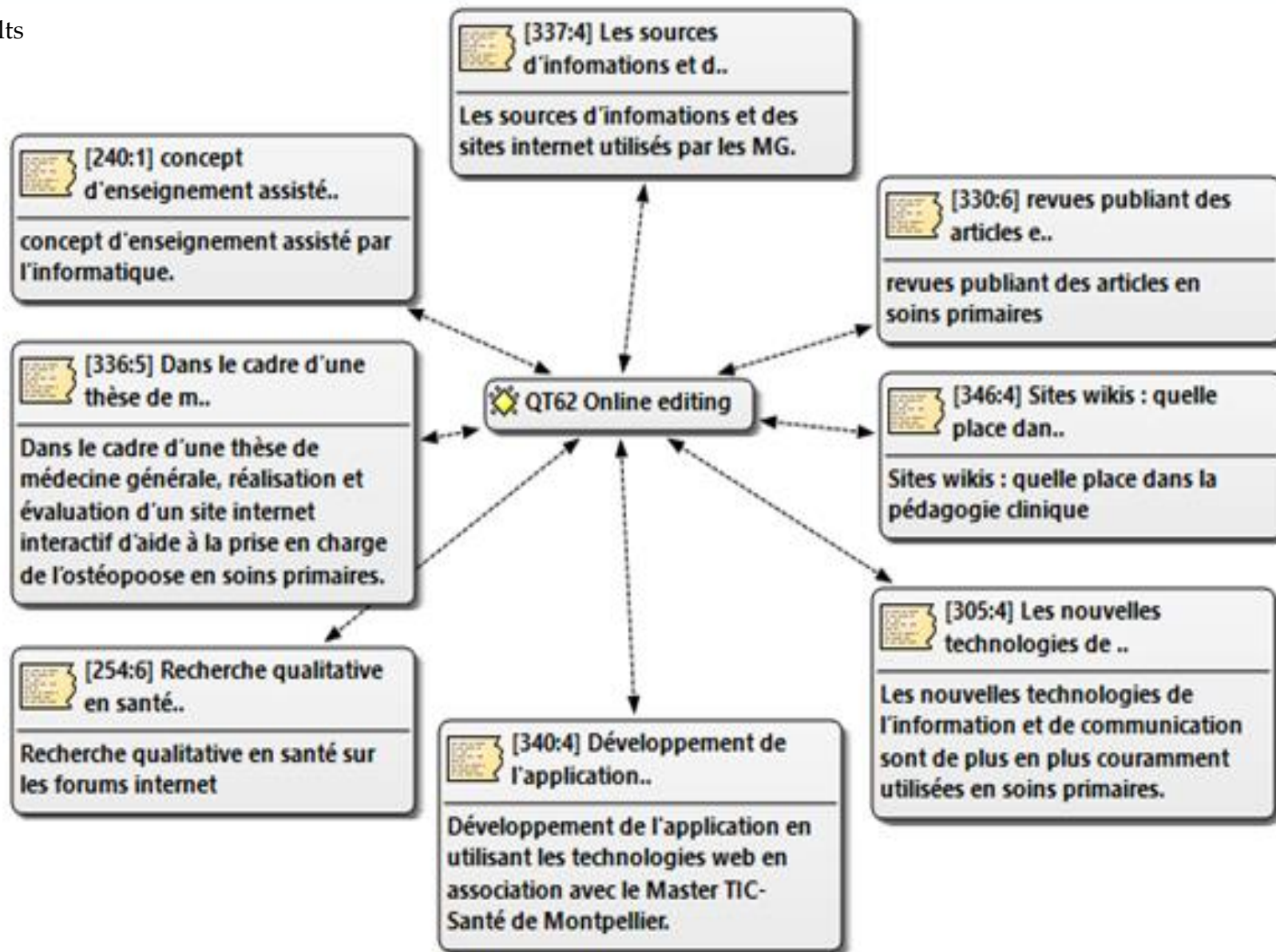


Figure 35 QT62 (online editing) and their verbatim. 205 abstracts Clermont 2013

QC12 Children	1
QC13 Adolescents	1
QC16 Ageing	2
QC23 Sex difference	2
QC32 Migrants & refugees	1

QE Medical Ethics	1
QE31 Euthanasia	1
QE41 Confidentiality	1

QD1 Communicator	1
QD12 Doctor patient relationship-	2
QD26 Palliative care	3
QD31 Health risk management	3
QD32 Health issue management	4
QD41 P1 Primary prevention	3
QD42 P2 Secondary prevention	3
QD43 P3 Tertiary prevention	1
QD441 P4 Overmedicalisation	2
QD5 Complementary medicine	4
QD51 Homeopathy	4
QD7 Professional image & identity-	1
QD8 Health provider personal satisfaction	3

QP2 Therapeutic process	4
QP23 Comfort of therapeutic process	1
QP24 Safety of therapeutic process	2
QP31 Availability of health care	1
QP41 Patient appraisal	2
QP42 Patient satisfaction	1
QP43 Patient knowledge	1
QP53 Self-care & hygiene	1
QP61 Social networking	1

Figure 43 SFD 2014 3CGP (QC patient's categories, QE Ethics , QD doctor's issues, QP patient's view)

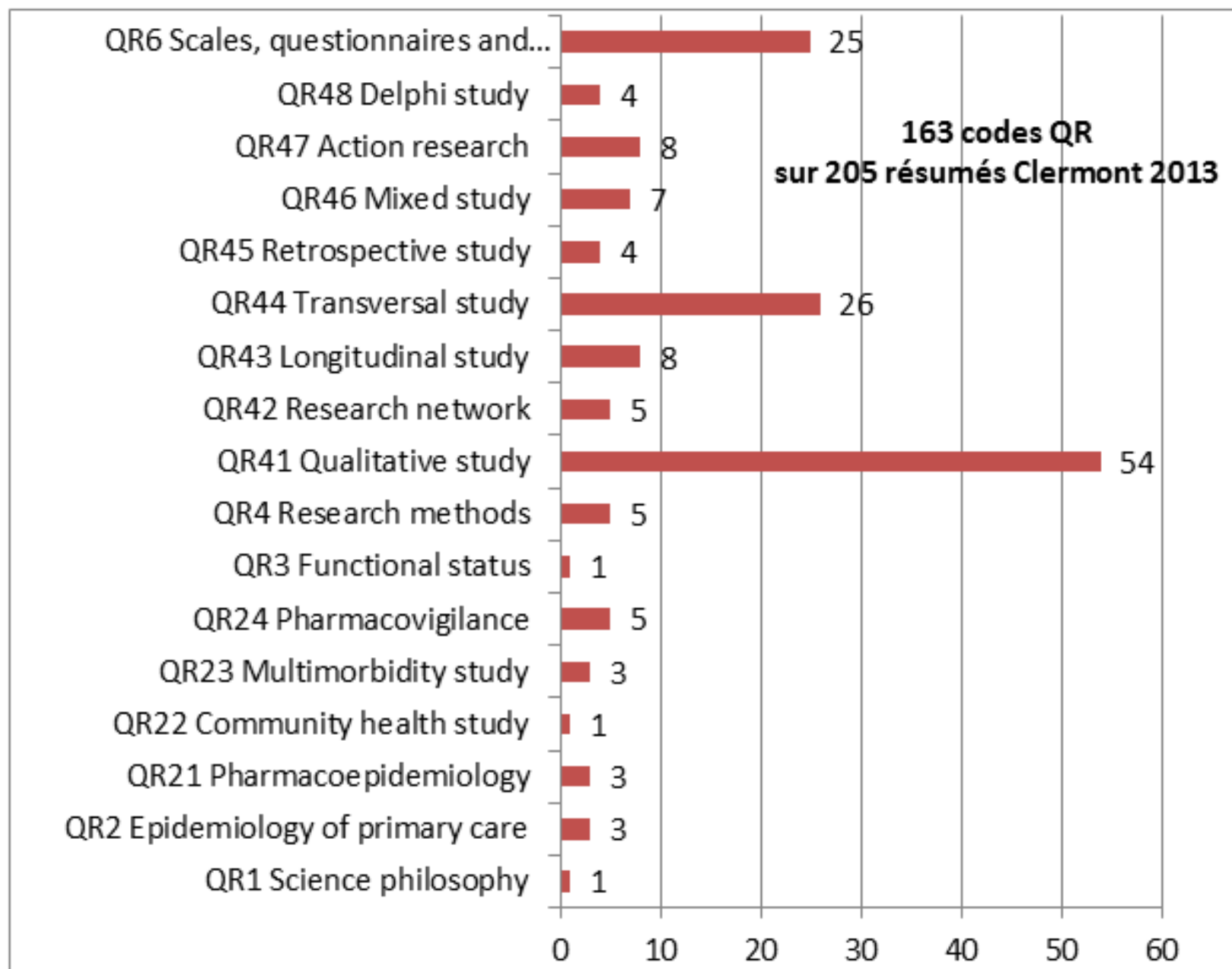


Figure 33 QR codes distribution (Research and Development)

interesting / useful? / needed? / reproducibility? / empirical / observer bias / one man show

Next steps

Classification field

Looking for a consensus about 3CGP content

Building and field testing 3CGP and ICPC

Ontological field

**Building a NLP based reference terminology
mapped to 3CGP & ICPC**

Preparing semantic tools

congres_management / smartphone_app / profesional_identity / researchers_network / ..

welcome !

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Thanks to so many friends

B Bentsen † / H Lamberts † / I Okkes / N Bentzen / JK Soler / H Britt /
K van Boven / G Gusso / L Letriliard / E Cardillo / J Roumier / M Warnier /
M Roland / L Romary / C Romain / R Vander Stichele / M Vanmeerbeek /
Didier Giet / MA Donneau / I Kunnamo / L Dunikowski / M Labrecque /
S Darmoni / J Grosjean / D Pinto / L Santiago / FE Gomes / Carl Steylaert
and all MERITERM & WICC members

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