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

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Abstracts

Author(s)
soler

Title contains

Text contains

Conference

- ▣
  Wonca Europe Congresses

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- ○ ▢ **Wonca 1999 - Palma de Mallorca**
- ○ ▢ **Wonca 1997 - Prague**
- ○ ▢ **Wonca 1995 - Strasbourg**

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

Conference	Title	Author(s)	Text

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

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 inititiative
>
> 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

Books

Looking for an indexing system for non clinical theme

DBase

1987

Seminal ideas of Prof Henk Lamberts † UVA

Q-Codes

Pre Internet age

Used with ICPC to code bibliography

Excel

2007

Core Content Classification in GP/FM   3CGP

Empirical construct , analyse of Wonca 2007 abstracts

Followed in 2013 by analyse of APMGF Covilha abstracts
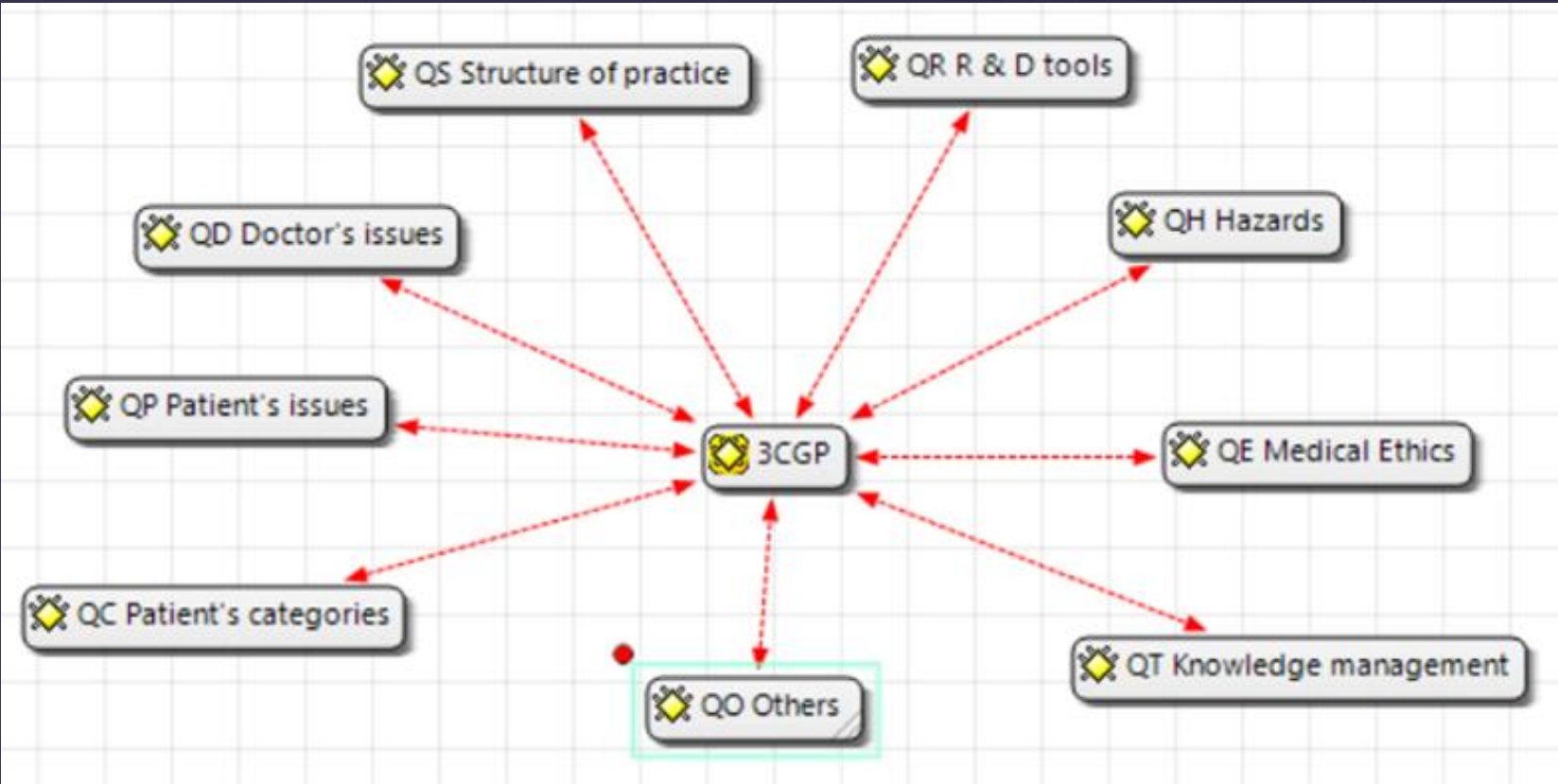
SQL

2014

Empirical construct (followed)

Using Content Analysis Software ATLAS.ti

4 more congresses (.fr. 2013 & 2014 /.ch 2014 /.be 2014.)
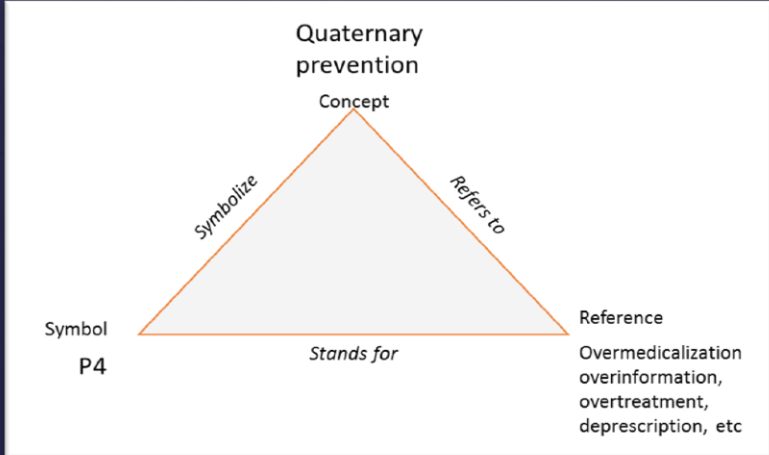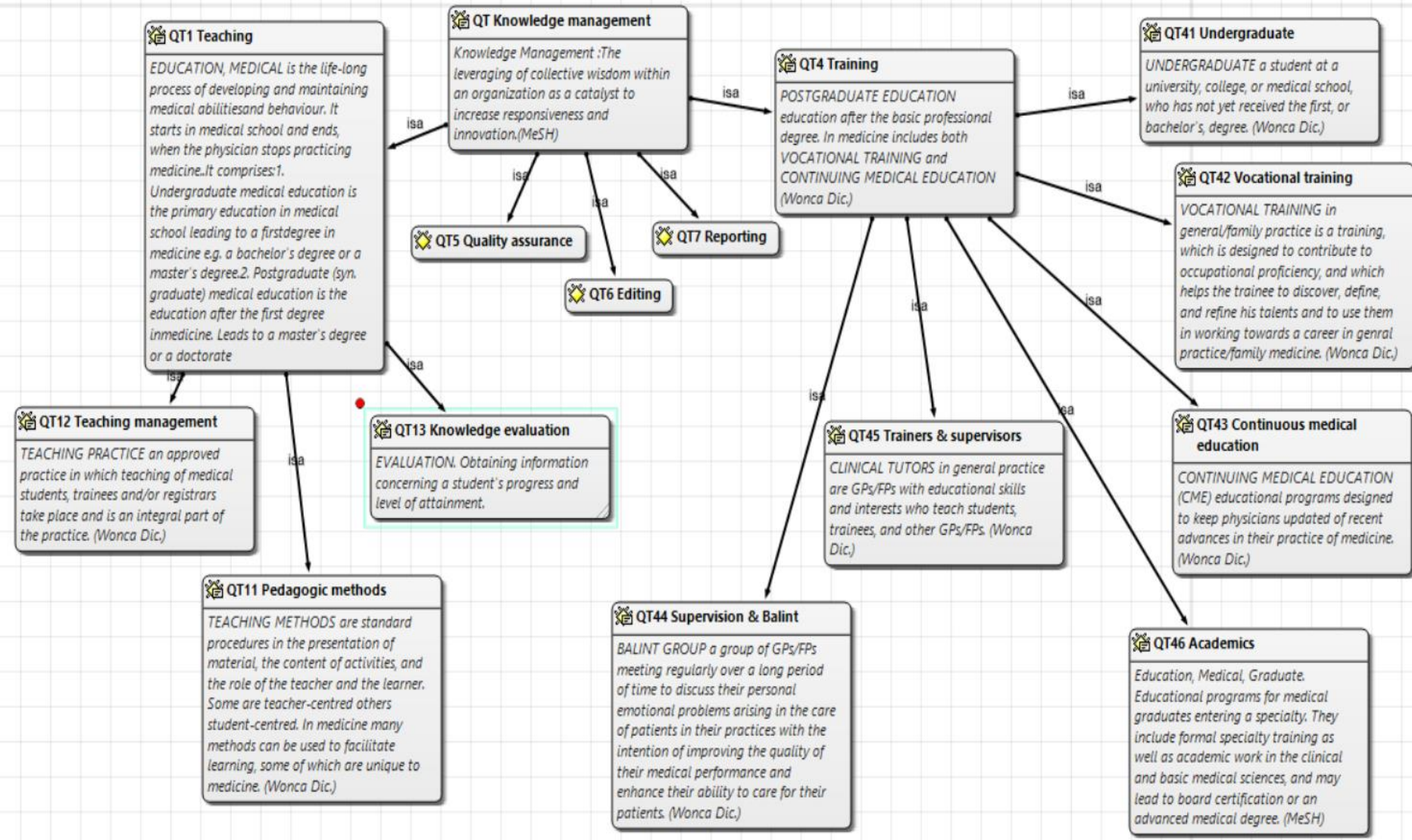
Semantic web

3CGP content

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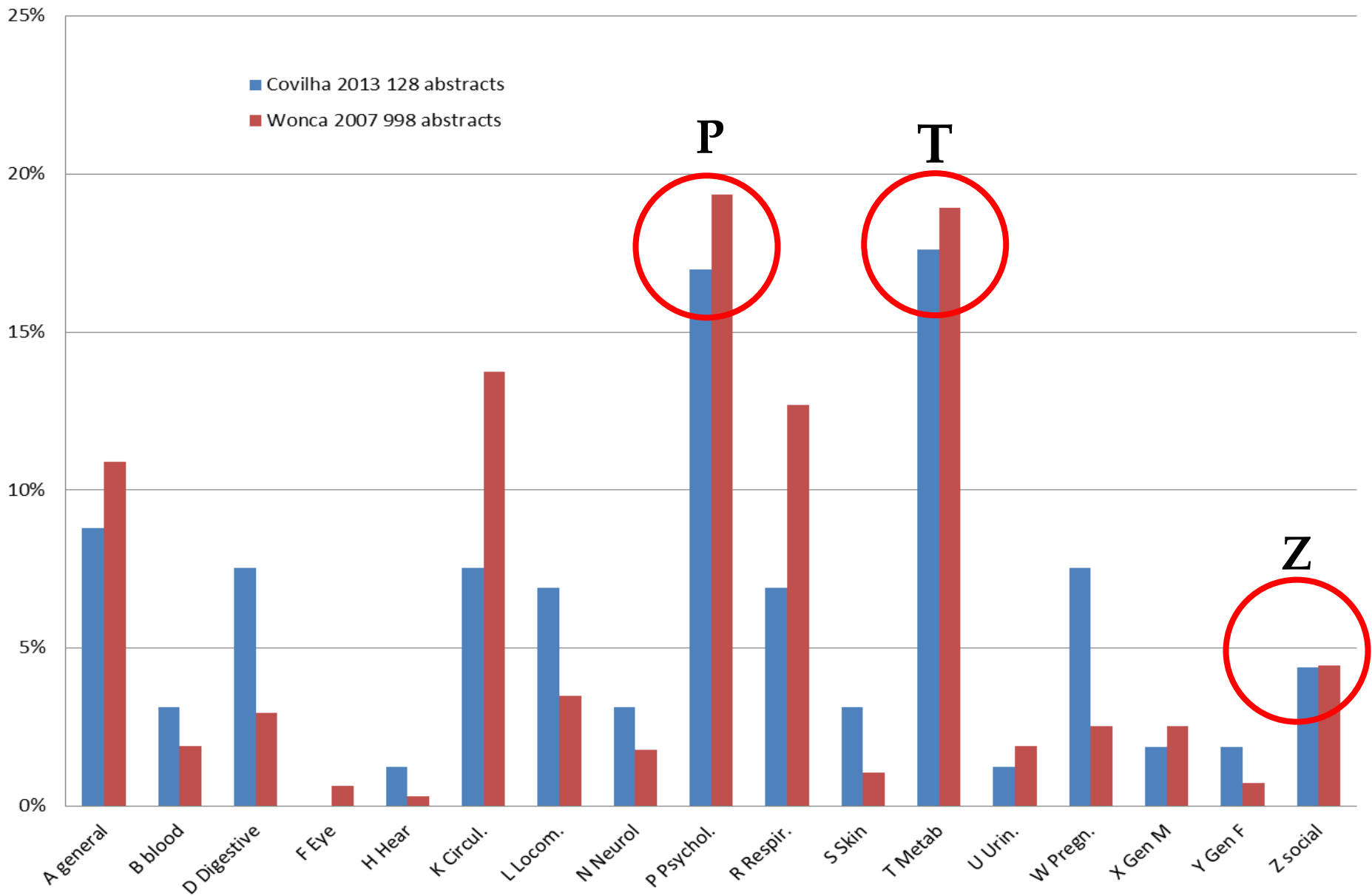

{Ogden & Richards 1923}

3CGP version 0.3 Opening of QT with content
Source of definitions ; Wonca Dictionary & MeSH

results

ICPC Chapters distribution in %

ICPC view / Excel method

- Covilha 2013 128 abstracts
- Wonca 2007 998 abstracts

results

3CGP view / Excel method

■ 998 abstracts Wonca 2007   ■ 128 abstracts Covilha 2013

QC Categories de patient
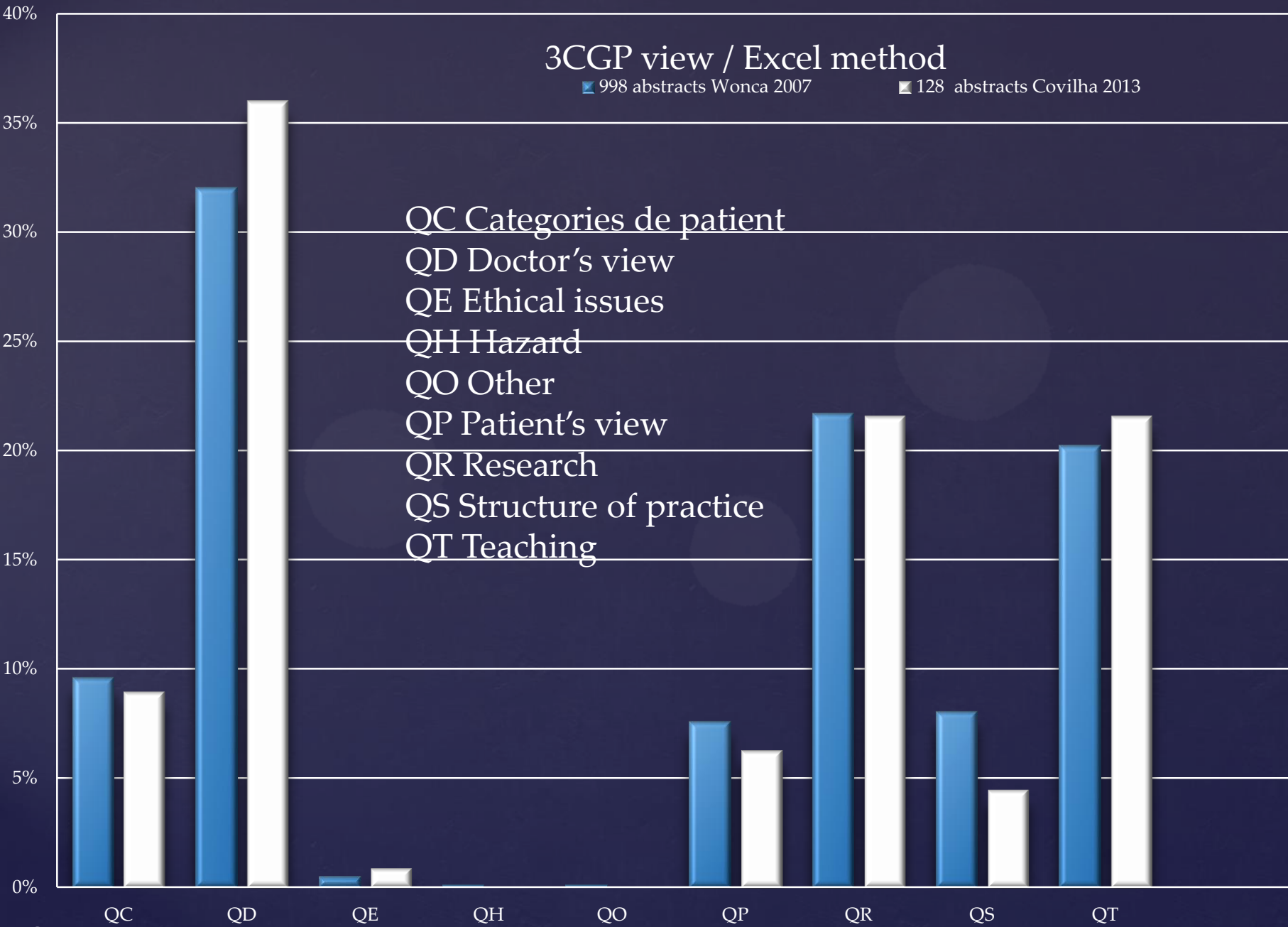QD Doctor's view
QE Ethical issues
QH Hazard
QO Other
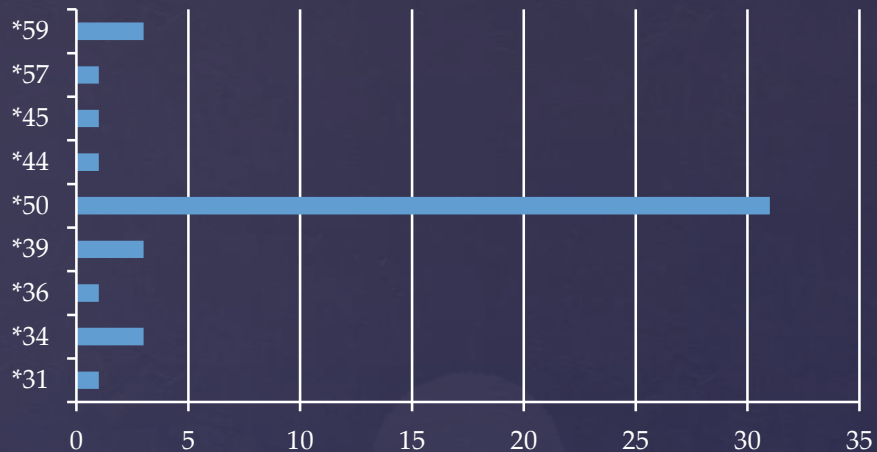QP Patient's view
QR Research
QS Structure of practice
QT Teaching
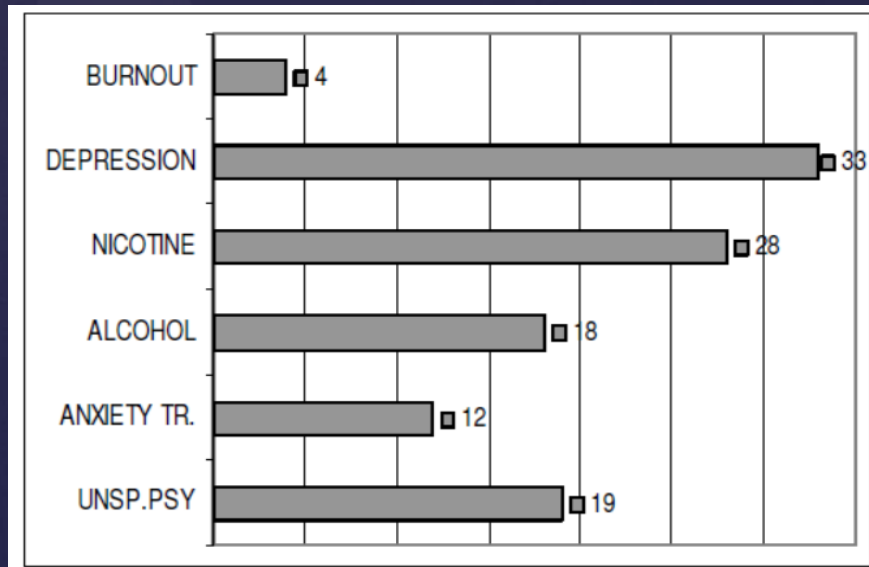
8

Some ICPC views / Excel method

ICPC Process On 128 abstracts. Covilha 2013

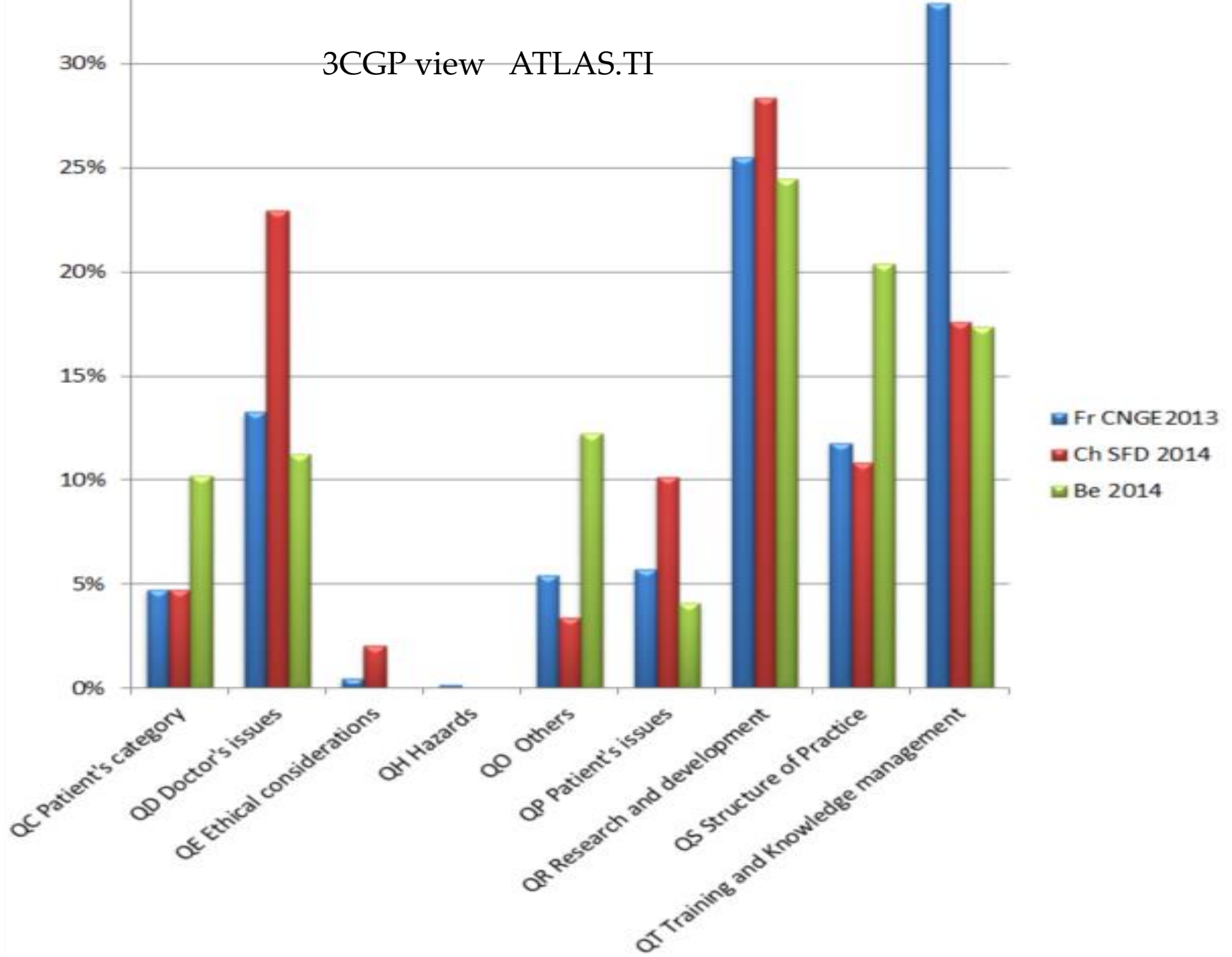

Portuguese GPs like

to discuss drug issues

The workload of the GPs is heavy

in the Psychological field

(998 abstracts Paris 2007)

3CGP view   ATLAS.TI

Using ICPC 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

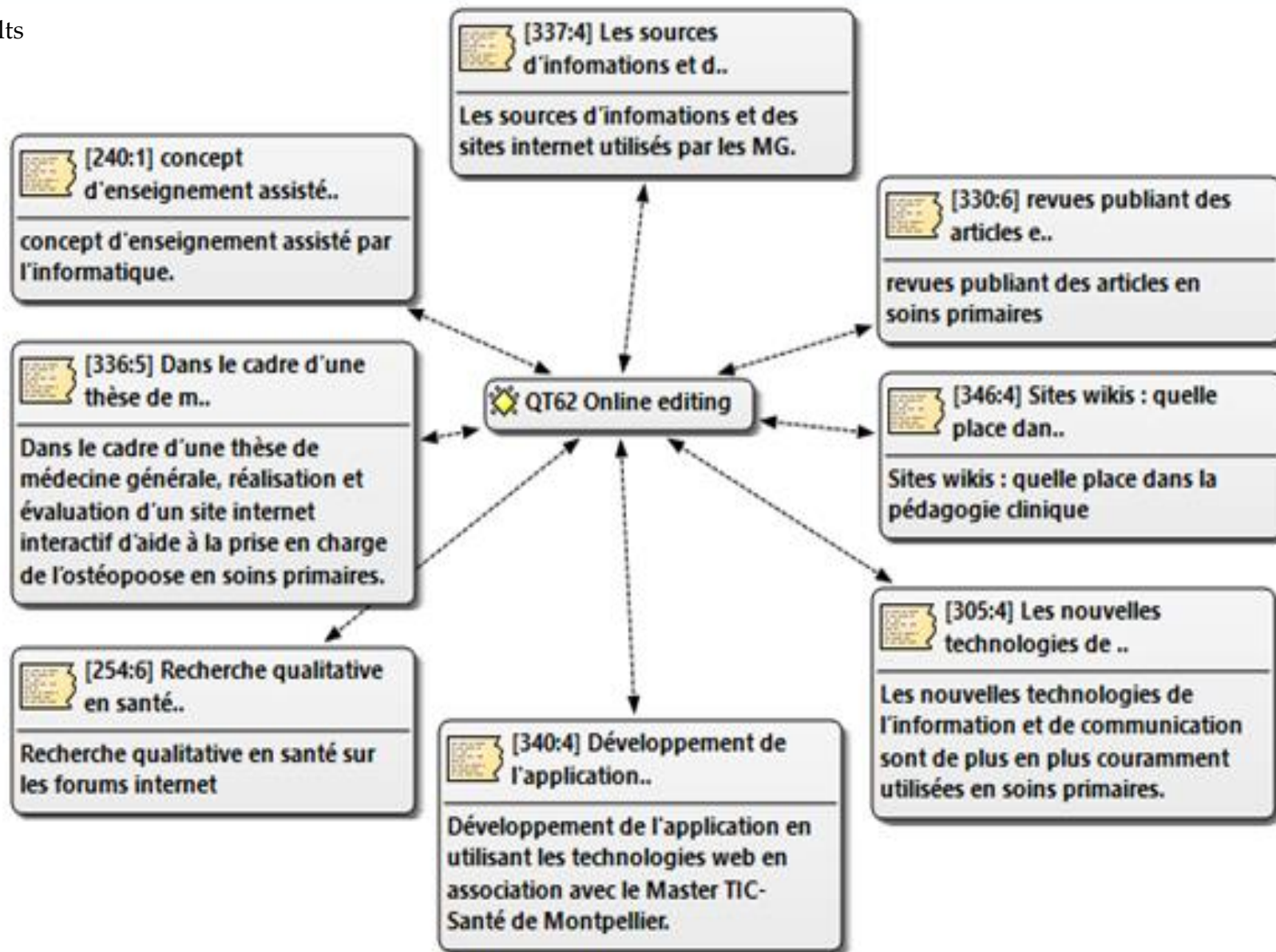Figure 29 Psychological problems Coding of 205 abstracts Clermont 2013

results

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)
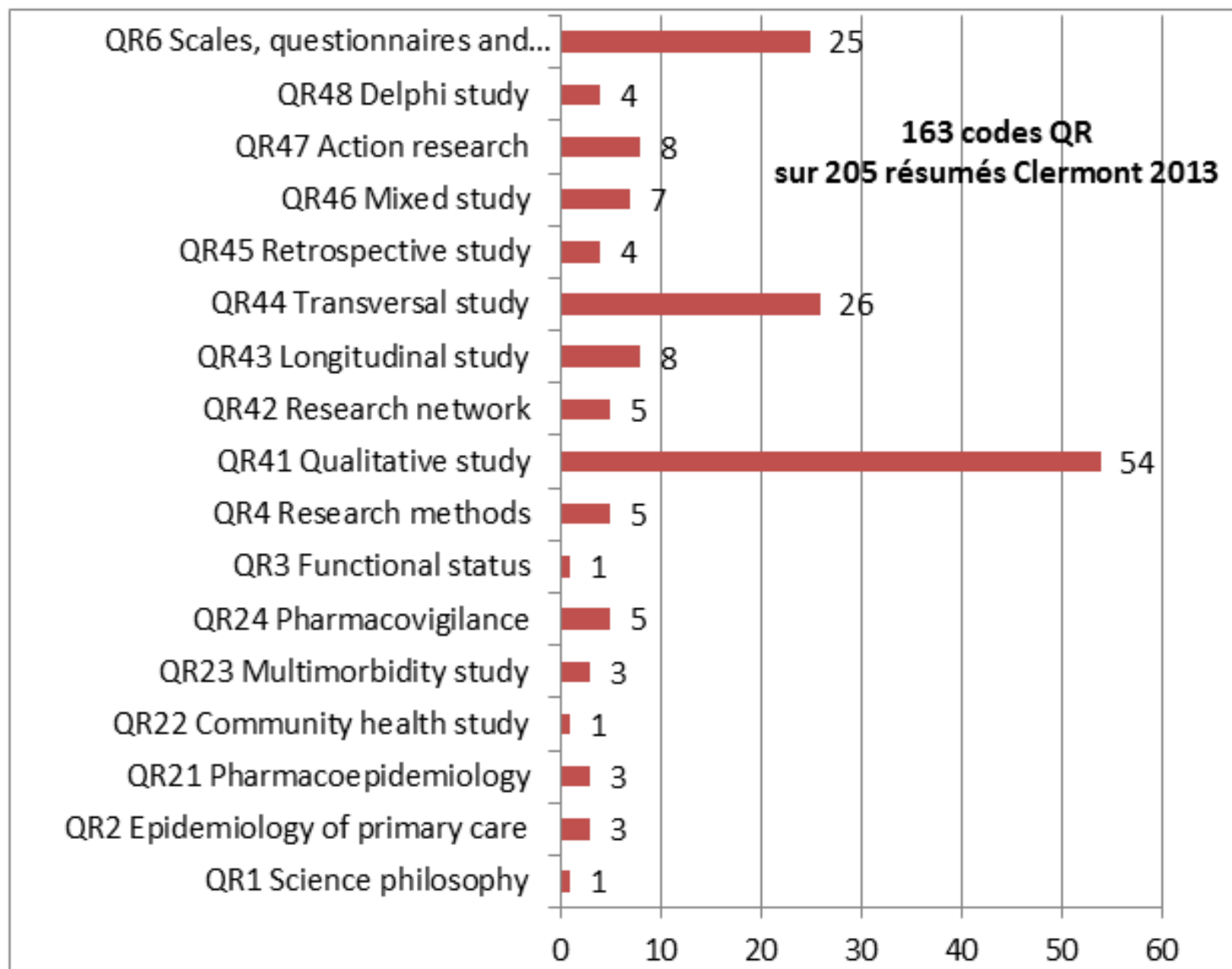
Figure 33 QR codes distribution (Research and Development)

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

welcome !

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Thanks to so many friends

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