

# Diagnostic Quality Standards (DQS)

## Reducing overdiagnosis in primary health care.

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Generalitat de Catalunya  
Departament de Salut



Institut Català de la Salut  
Gerència Territorial  
Catalunya Central

## Institut Català de la Salut:

- 272 primary health care centers.
- 6 million patients/45 million consultations per year
- 8,000 professionals.



Primary Health Care Information System (SISAP)



DQS

**DQS:**

Concordance between new diagnosis and justified clinical criterion.

EQA: Healthcare Quality Standards.

## Selection process (DQS)

- Scientific literature review.
- Robust evidence. Guidelines.
- High morbi-mortality
- Primary Health Care.
- 11 pathologies:
  - High blood pressure
  - COPD
  - Congestive Heart Failure
  - Hypercholesterolemia
  - Osteoporosis
  - Diabetes Mellitus
  - Asthma
  - Obesity
  - Anemia
  - Dementia
  - Primary hypothyroidism

# Introduction

Pathology	Population	Definition
Arterial Hypertension	>14 years	1.-Average of the 3 last SAP and/or DAP > 140 and/or 90 2.-Pathologic ABPM o HBPM 3.-High blood pressure 3 months post-diagnosis
COPD	>14 years	FEV1/FVC index <0,7
Congestive Heart Failure	>14 years	Echocardiogram
Hypercholesterolemia	>14 years	Total cholesterol $\geq$ 250 mg/dl
Osteoporosis	>14 years	Densitometry: osteoporosis or fragility fracture
DM	All	1.-Glycemia $\geq$ 200mg/dl 2.-Glycemic oral overload test $\geq$ 200mg/dl (2 hours) 3.- 2 measures HbA1c $\geq$ 6,5% 4.- 2 venous glycemias >125 mg/dl
Asthma	All	Spirometry and bronchodilator test
Obesity	All	BMI >30
Anemia	All	Haemoglobin and ferritin measures
Dementia	All	Cognitive test
Primary hypothyroidism	All	TSH > 4 mU/L

## Implementation

- Online tool integrated into the ECR / Online consultations.
- Weekly update.
- Individualized data access for professionals.
- Restricted access to grouped data for directors.
- Scoring system: practitioners receive higher scores if they apply selected recommendations in their clinical practice.

# Introduction

## DQS

Synthetic indicator with 11/82 health primary care outcomes (39 for GP/nurses)

Data càlcul: 20/07/2016

+ Llegendra

Indicadors:

Professional

Desfavorables






Equip

Eqa Horizontal

Valor a mostrar:

Pacients no resultats

	Qualitat Dx +	ACxFA:ACO +	ACxFA:control +	CI/AVC:AAS +	CI/AVC:LDL +	CI/AVC:TA +	CI/IC:bblog +
Malaltia cardiovascular	12	4	2	3	18	19	4
Diabetes mellitus tipus 2	6	peu +	HbA1c +	fons ull +	TA +		
Hipertensió arterial	2	HTA: TA +	HTA/IRC:TA +				
Dislipèmia	2	RCV alt:LDL +	RCV: càlcul +				
Obstrucció respiratòria crònica	42	EPS inh +					
Altres problemes de salut	18	HipoT:control +					
Activitats preventives	26	OH:Cribat +	OH:Reducció +	Obes:Reducció +	Activitat física +		
Vacunacions		Penumo +	Tètanus +	Triple virica +			
ATDOM		Valoració +	Risc úlceres +	Cuidador +			
Prevenició quaternària		RCV baix hipol +	Noves estatines +	IBP +	Hiperuricèmia +	PSA +	

13,26		72	0 de 25	+
0,62		4	22 de 22	+
59,84		76	0 de 25	+
88,71		7	0 de 19	+
20,2		41	0 de 16	+

## Sisap - eCap

Seguiment d'indicadors clínics dels professionals d'atenció primària

[Inici](#) [EQA](#) [EQD](#) [DbsForm](#) [Pob.](#) [Altres](#)

**EQA0227: Bon control de l'hipotiroidisme**

Data càlcul: 30/07/2014

### Llistat

DESACTIVAR	CIP	NHCAP	NOM	COGNOM1	COGNOM2	VISITA VIRTUAL
<input type="checkbox"/>	Aaaaa	1	Patient	One		<input type="checkbox"/>
<input type="checkbox"/>	BBB	2	Patient	Two		<input type="checkbox"/>
<input type="checkbox"/>	Ccccc	3	Patient	Three		<input type="checkbox"/>

## Weekly feedback of clinical practice:

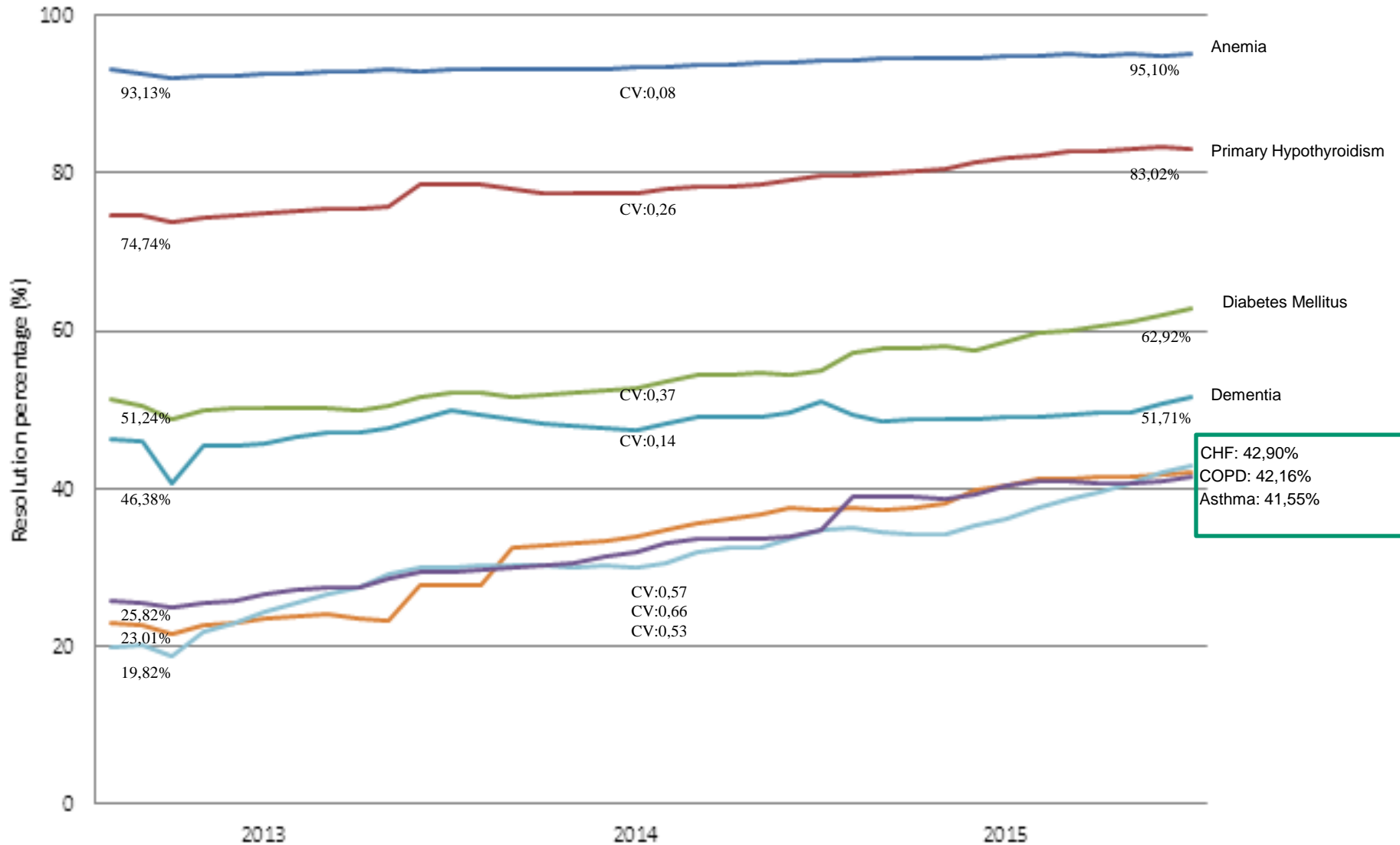
- Patients with a clinical situation to improve.
- Outcomes.
- Evolution.
- Lists.
- Comparison.



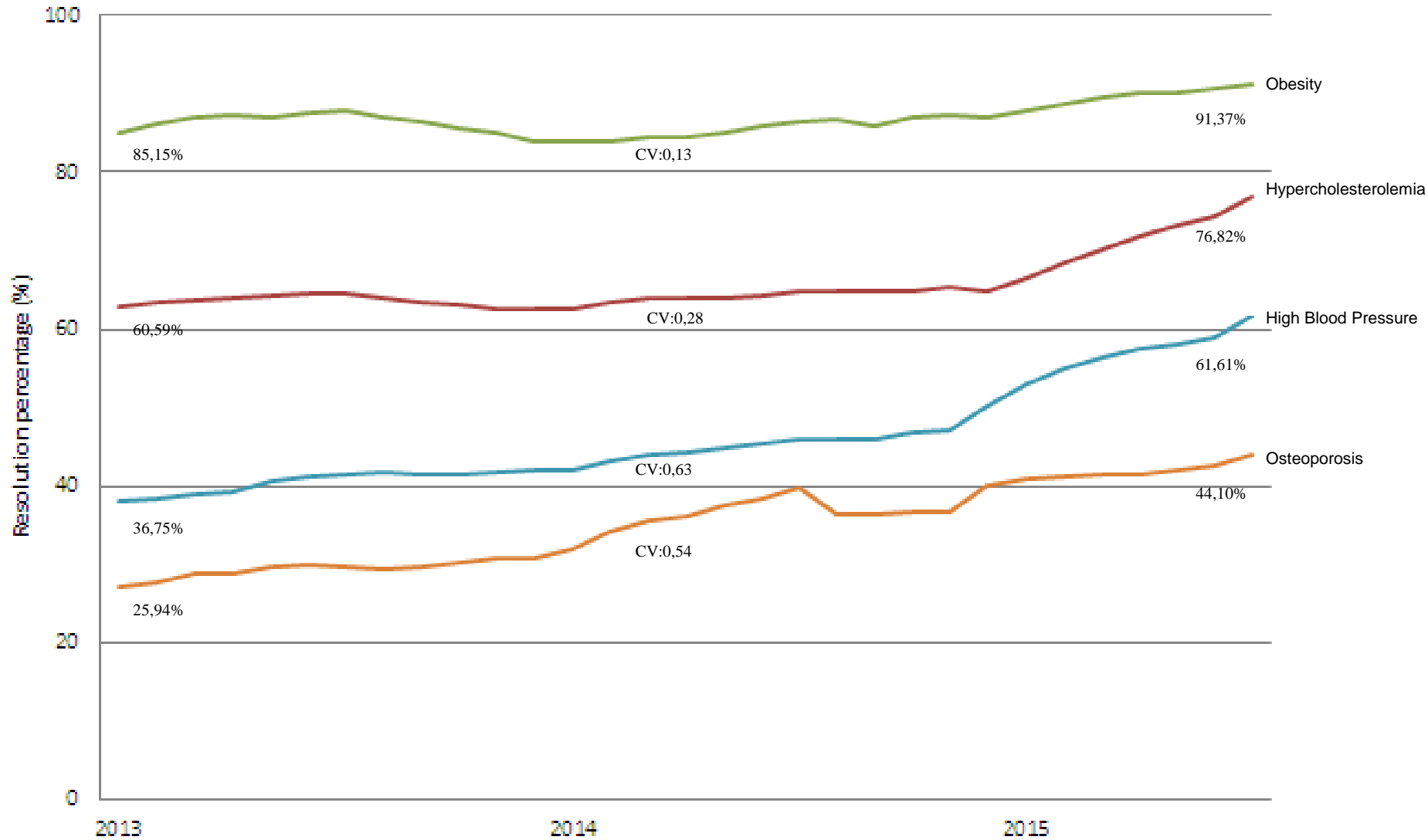
- 11 pathologies.
- Resolution index monthly evolution (2013-2015).
- Lineal regression (CV+/-SE).
- Adjusted evolution if major changes in registry.
- SPSS v18.

# Results

## DQS monthly resolution percentage evolution (2013-2015)



## DQS monthly resolution percentage evolution (2013-2015)



- Flexibility/adaptability.
- General DQS improvement.
- Cardiac, respiratory and osteoporosis DQS had better results.
- Validation.

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