

# The quality of diabetes care in Belgium through a cascade of care lens: health insurance data linked to lab data

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## BACKGROUND

Several patients with **diabetes (T2D)** and especially **vulnerable patients** do not have access to care or are **not well followed-up** (also in high income countries), while effective interventions are available



Highlights the importance of :

- Quality assessment &
- Getting a better understanding of **the entire care continuum & quality of care assessment?**  
**Who do we lose where and why?**

## OBJECTIVES

Developing a **theoretical framework of quality assessment**



The translation to **an integrated diabetes care database**, using

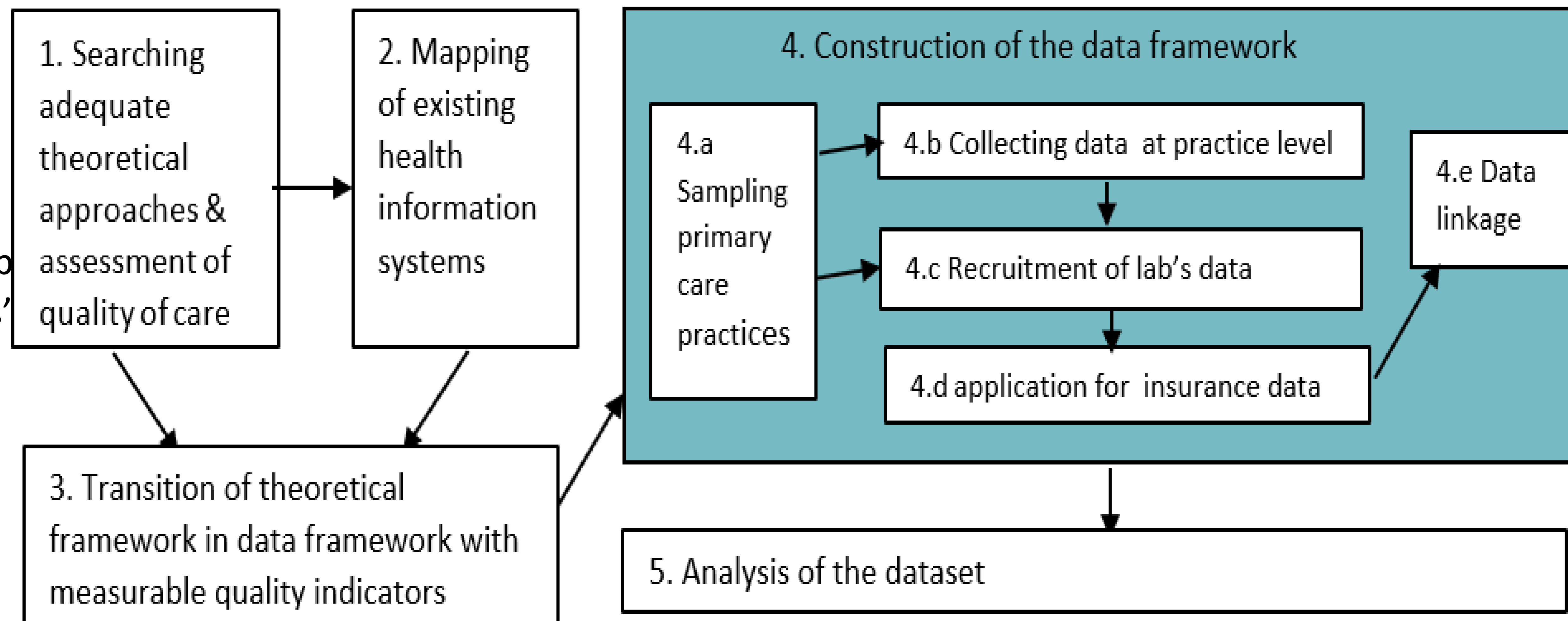
- adequate data sources & including
- measurable quality indicators



- To measure **structure, process** and **outcomes** of integrated T2D care
- To assess quality of integrated care
- To study differences in quality of care between patient groups and organization types of primary care practices

# METHODS

- **Study setting:** high income country Belgium (in Europe), fragmented healthcare system and data landscape
- **Research methods:** literature reviews, expert consultations, iterative working group sessions, stakeholders' interviews
- **Phrases approach** of development of Integrated database





## DATAFRAME

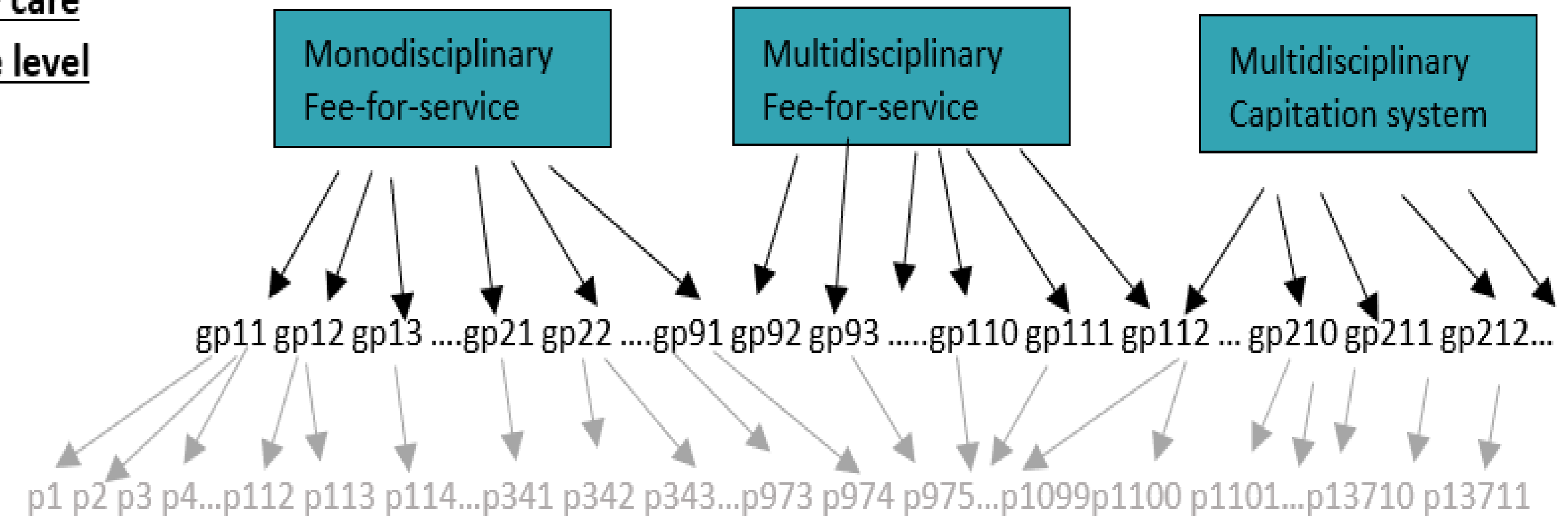
Quality dimension	Theoretical approach	Measuring tool	Data level & Source
Structure organization	Chronic care model	<u>Assessment of Chronic Illness Care tool</u> <u>ACIC-Sub scores:</u> -Organization -Community linkages -Self-management support -Decision support -Delivery system design -Information systems	Health system & Primary care practice level  <b>Self-collected data</b> (interviews with GPs)
Process	Cascade of care (CoC) approach	<u>CoC bars:</u> -tested -diagnosed -linked to care -taking treatment -followed up,	Patient level  Administrative data: <b>health insurance data (IMA) &amp; lab data</b>
Outcomes		-under control	

# RESULTS

- **ACIC** scores are visualized by **spiderwebs**
- **CoCs** in **bar charts** can be stratified by practice type and patient group

## Fictive example

### Primary care practice level

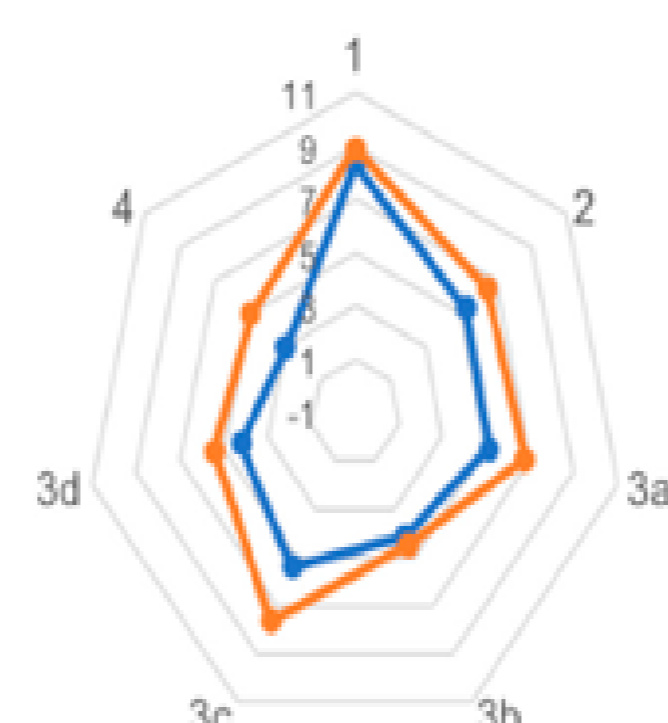
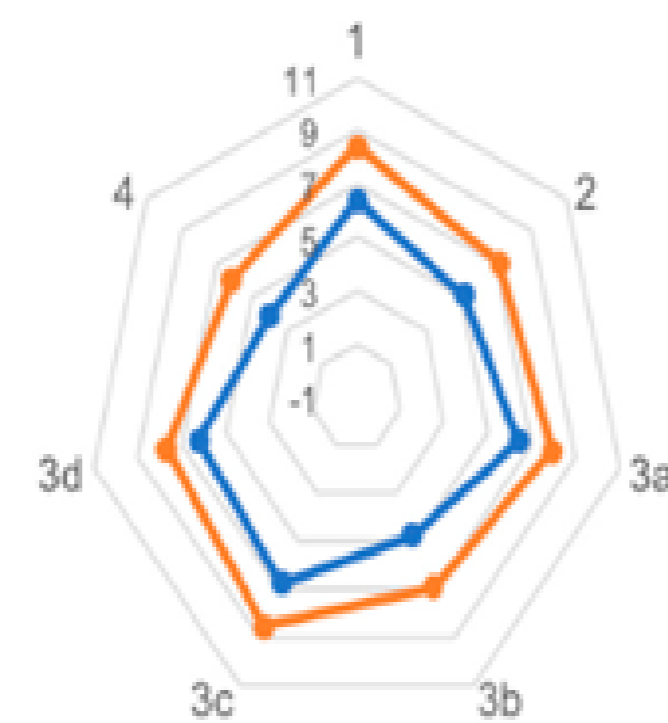
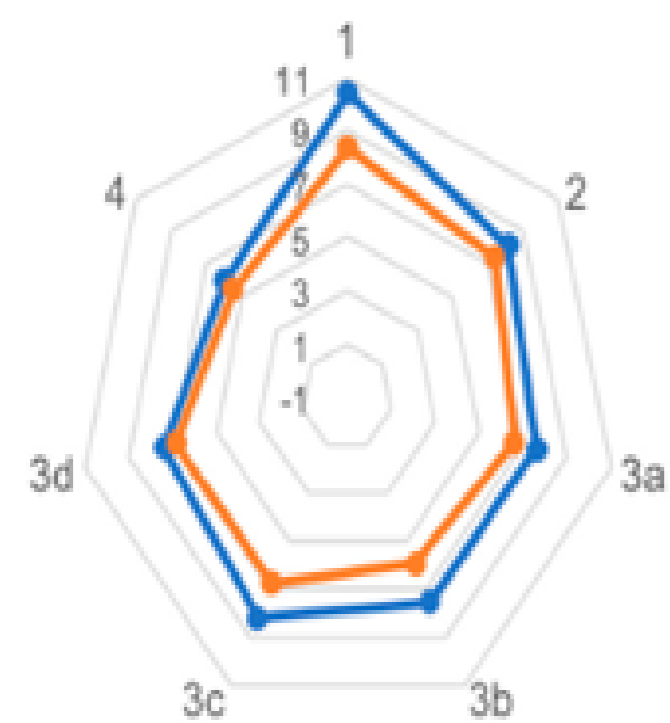


Primary care type 1

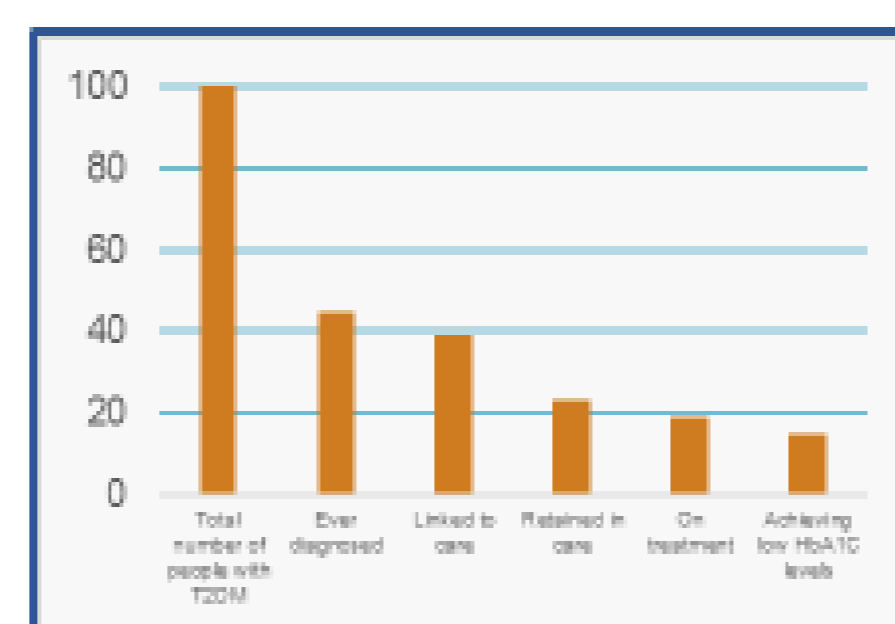
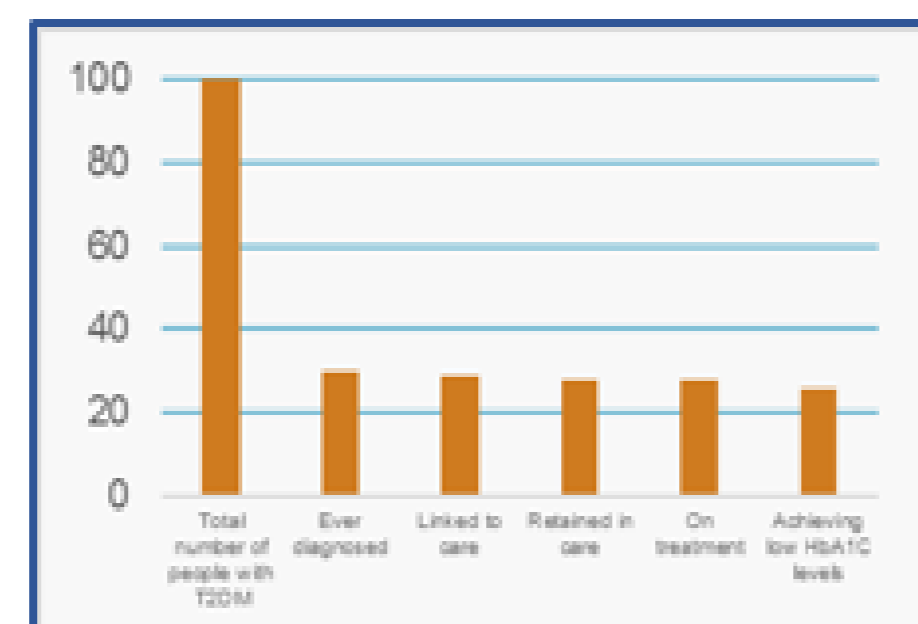
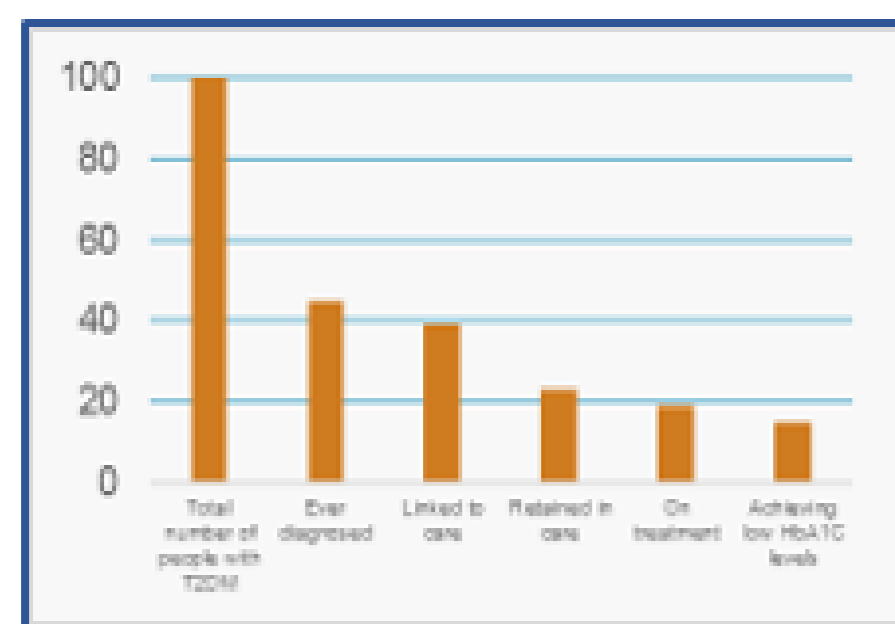
Primary care type 2

Primary care type 3

Structure-organization



Process-outcome



- **Integrated multilevel data base:**
  - patients clustered in GP-practices
  - structure-organization information at GP-practice level
  - process-outcomes information at patient level