

# Characteristics, treatment, and economic burden of disease of Chinese diabetic/non-diabetic patients with/without established cardiovascular disease, chronic kidney disease, or at high cardiovascular risk

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Study

Planned

## Administrative details

### EU PAS number

EUPAS38026

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### Study ID

38027

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### DARWIN EU® study

No

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### Study countries

 China

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## Study description

The study aimed to investigate the clinical characteristics, treatment, and economic burden of disease of Chinese diabetic/non-diabetic patients with/without established cardiovascular disease, chronic kidney disease, or at high cardiovascular risk, including: 1) describe the proportion of Chinese diabetic/non-diabetic patients with established cardiovascular disease, CKD, or at high cardiovascular risk including hypertension and hyperlipidaemia, 2) describe the demographic and clinical characteristics of Chinese diabetic/non-diabetic patients with/without established cardiovascular disease, CKD, or at high cardiovascular risk, 3) investigate the treatment patterns of Chinese diabetic/non-diabetic patients with/without established cardiovascular disease, CKD, or at high cardiovascular risk, 4) examine economic burden of disease of Chinese diabetic/non-diabetic patients with/without established cardiovascular disease, CKD, or at high cardiovascular risk, 5) explore the trends of clinical characteristics, treatment pattern, economic burden of inpatients over time (2015 and 2019 separately)

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## Study status

Planned

## Research institutions and networks

### Institutions

**West China Hospital**

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**Institution**

## Contact details

### Study institution contact

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Study contact

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### Primary lead investigator

Xin Sun

Primary lead investigator

## Study timelines

### Date when funding contract was signed

Planned: 01/12/2020

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### Study start date

Planned: 30/11/2020

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### Data analysis start date

Planned: 01/09/2021

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### Date of final study report

Planned: 30/11/2021

## Sources of funding

- Pharmaceutical company and other private sector

## More details on funding

Boehringer Ingelheim

## Regulatory

### **Was the study required by a regulatory body?**

No

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### **Is the study required by a Risk Management Plan (RMP)?**

Not applicable

## Methodological aspects

### Study type

### Study type list

#### **Study type:**

Non-interventional study

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#### **Scope of the study:**

Disease epidemiology

#### **Main study objective:**

The study aimed to investigate the clinical characteristics, treatment, and economic burden of disease of Chinese diabetic/non-diabetic patients with/without established cardiovascular disease, chronic kidney disease, or at high cardiovascular risk.

## Study Design

## **Non-interventional study design**

Cross-sectional

## Population studied

### **Age groups**

- Adults (18 to < 46 years)
  - Adults (46 to < 65 years)
  - Adults (65 to < 75 years)
  - Adults (75 to < 85 years)
  - Adults (85 years and over)
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### **Estimated number of subjects**

100000

## Study design details

### **Outcomes**

1. The number and proportion of diabetic/non-diabetic patients (outpatients and inpatients) with disease or risk from 2015 to 2019, patients will be defined as four groups (A-D) as mentioned above, 2. The demographic characteristics (including age, gender, ethnic, insurance payment) of the lasted visiting for all patients, as well as the trends for inpatients over time (2015, 2017, and 2019), 1.The clinical characteristics of the studied population of the lasted visiting for all patients, as well as the trends for inpatients over time, 2.Treatment pattern of inpatients and outpatients will be described respectively.

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### **Data analysis plan**

The analyses will mainly describe the patient demographic characteristics, comorbidities, complications, treatment pattern and economic burden based on 40 hospitals EMRs of Tianjin regional database. Characteristics presented as continuous data will be summarized through means, standard deviations, medians, minimum and maximum values, whereas, categorical data will be summarized as counts and proportions. All tests of statistical significance among different subgroups (age, gender, department, underlying diseases, etc.) will be two-sided unless otherwise specified, any test resulting in  $p < 0.05$  will be considered statistically significant.

## Data management

### ENCePP Seal

The use of the ENCePP Seal has been discontinued since February 2025. The ENCePP Seal fields are retained in the display mode for transparency but are no longer maintained.

## Data sources

### Data sources (types)

[Other](#)

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### Data sources (types), other

Tianjin regional database from 2015 to 2019. Based on Tianjin regional database, basic dictionaries including drug, diagnosis and examination were established from 40 hospitals in Tianjin.

## Use of a Common Data Model (CDM)

## **CDM mapping**

No

## Data quality specifications

### **Check conformance**

Unknown

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### **Check completeness**

Unknown

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### **Check stability**

Unknown

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### **Check logical consistency**

Unknown

## Data characterisation

### **Data characterisation conducted**

No