

# Effect of Flooding on the Glycaemic Control of Patients with Diabetes Mellitus

**Submission date**  
18/03/2010

**Recruitment status**  
No longer recruiting

☐ Prospectively registered

☐ Protocol

**Registration date**  
25/03/2010

**Overall study status**  
Completed

☐ Statistical analysis plan

☒ Results

**Last Edited**  
01/08/2011

**Condition category**  
Nutritional, Metabolic, Endocrine

☐ Individual participant data

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

**Contact name**  
Prof Eric Kilpatrick

**Contact details**  
220-236 Anlaby Road  
Hull  
United Kingdom  
HU3 2RW

## Additional identifiers

**Protocol serial number**  
1

## Study information

**Scientific Title**  
A Longitudinal Study on the Effect of Flooding on the Glycaemic Control of Patients with Diabetes Mellitus

**Study objectives**  
A natural disaster such floods has a detrimental effect on glycaemic control in patients with diabetes mellitus.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Hull and East Riding Local Research Ethics Committee approved (LRED: 08/H1304/83)

**Study design**

Longitudinal study

**Primary study design**

Observational

**Study type(s)**

Other

**Health condition(s) or problem(s) studied**

Diabetes Mellitus (type I and II)

**Interventions**

Data were collected using anonymous numbers assigned to each recipient and then scanned the data using a computer software called FORMIC

**Intervention Type**

Other

**Phase**

Not Applicable

**Primary outcome(s)**

We intend to determine if glycaemic control (as assessed by HbA1c) was different amongst patients with diabetes who were flooded compared to those who were not. The analysis, to be performed by a statistician will most likely use an unpaired t test analysis following logarithmic transformation of the HbA1c data.

**Key secondary outcome(s))**

To establish if the frequency of HbA1c monitoring was different amongst those flooded compared to those who were not over the 15 months following the flooding.

**Completion date**

30/03/2009

**Eligibility****Key inclusion criteria**

1. All patients registered as having diabetes mellitus via pathology database
2. Age  $\geq$  18 years

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Lower age limit**

18 years

**Sex**

All

**Key exclusion criteria**

1. Nursing home patients
2. Prisoners
3. Patients dependent on professional care for management of their diabetes.

**Date of first enrolment**

20/12/2008

**Date of final enrolment**

30/03/2009

**Locations****Countries of recruitment**

United Kingdom

England

**Study participating centre**

220-236 Anlaby Road

Hull

United Kingdom

HU3 2RW

**Sponsor information****Organisation**

Hull & East Yorkshire Hospitals NHS Trust (UK)

**ROR**

<https://ror.org/01b11x021>

# Funder(s)

## Funder type

Charity

## Funder Name

Diabetes UK (UK) (ref: 08/0003768)

## Alternative Name(s)

The British Diabetic Association, DIABETES UK LIMITED, British Diabetic Association

## Funding Body Type

Private sector organisation

## Funding Body Subtype

Trusts, charities, foundations (both public and private)

## Location

United Kingdom

# Results and Publications

## Individual participant data (IPD) sharing plan

## IPD sharing plan summary

Not provided at time of registration

## Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	01/05/2011		Yes	No