

# Type 2 diabetes health checks down by 7.4 million due to UK's COVID restrictions in 2020

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Manchester-based researchers estimate that between March and December 2020, 7.4 million fewer NICE recommended health care

checks took place in UK general practices in people with type 2 diabetes, when compared to 10-year historical trends.

The research, published today in the journal, *BMJ Quality and Safety* was funded by the National Institute for Health Research Greater Manchester Patient Safety Translational Research Centre (NIHR GM PSTRC). The Centre is a partnership between The University of Manchester and The Northern Care Alliance NHS Foundation Trust.

The research involved analyzing the primary care healthcare records of 618,161 people with type 2 [diabetes](#) to estimate how many [health checks](#) had been missed during the pandemic in 2020 and who had been most affected.

The checks include measuring blood pressure and weight, urine tests for protein and blood tests for cholesterol, kidney function and average sugar level. These processes are essential to minimize the risk of developing long-term complications caused by type 2 diabetes.

The results have shown older people with type 2 diabetes from deprived areas were most likely to miss out on having health checks.

The researchers also estimated that across the UK between March and December 2020, there were ~31,800 fewer people with type 2 diabetes prescribed a new type of diabetes medication and ~14,600 fewer were prescribed a new type of blood pressure lowering medication. This almost certainly means that large numbers of people are being left with poorly controlled diabetes and [high blood pressure](#) which increases the risk of developing serious complications such as heart attacks, strokes, kidney failure and amputations.

Dr. Matthew Carr from The University of Manchester, and lead for this study at the GM PSTRC, said: "Health checks for people with type 2

diabetes are generally carried out in general practice and as face-to-face appointments aren't yet back up to pre COVID levels delays are likely to continue. As a result, there's an urgent need to reduce the harm caused by these changes to the way care has been delivered.

"Although it's not possible to estimate the number of people who have missed out on a check, we are able to analyze health care records to identify the number of processes that took place. This has allowed us to understand the size of the problem, along with the sectors of the population that have been most affected by looking at how trends varied by age, sex, ethnicity and deprivation."

The research revealed that, between May and December 2020 the number of health checks did increase, but they remained between 28-47% lower than expected.

Co-author, Professor Martin K Rutter, from The University of Manchester and Manchester University NHS Foundation Trust, said: "Health checks for type 2 diabetes are essential in the long-term management of the condition. As we recover from the pandemic, our research will help UK healthcare services focus their efforts on how to provide support for people living with diabetes who have been most affected by changes in the way that care has been provided."

Nikki Joule, Policy Manager at Diabetes UK, said: "It's incredibly concerning that both diabetes checks and prescriptions of new medicines for people living with type 2 diabetes were reduced during the pandemic. Blood cholesterol, [blood pressure](#) and longer-term blood sugar levels are vital indicators of how type 2 diabetes is being managed, and missing these checks puts people at greater risk of diabetes-related complications such as heart attacks, strokes and kidney failure.

"That [older people](#) from deprived backgrounds have been

disproportionately affected is yet another stark example of how the pandemic has exacerbated [health](#) inequalities. It is vital that this is addressed, and the backlog of care urgently dealt with to avoid people developing life-changing complications of diabetes that may have been preventable.

"While we welcome the recent Government commitment to invest more in the prevention of type 2 diabetes, measures to help people already living with diabetes should be prioritized equally to allow more people the best chance to live well with the condition."

To find out your risk of developing type 2 diabetes and steps you can take to reduce it, visit [diabetes.org.uk/risk](https://diabetes.org.uk/risk).

**More information:** Matthew J. Carr et al, Impact of COVID-19 restrictions on diabetes health checks and prescribing for people with type 2 diabetes: a UK-wide cohort study involving 618,161 people in primary care, *BMJ Quality & Safety*, (Oct 2021). [DOI: 10.1136/bmjqs-2021-013613](https://doi.org/10.1136/bmjqs-2021-013613)

Provided by University of Manchester

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