Person—glycated haemoglobin level, code N

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# Person—glycated haemoglobin level, code N

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| Identifying and definitional attributes | |
| Metadata item type: | Data Element |
| Short name: | Glycated haemoglobin level |
| Synonymous names: | HbA1c level |
| METEOR identifier: | 785962 |
| Registration status: | [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Standard 18/12/2023 |
| Definition: | A person's glycated haemoglobin (HbA1c) level, as represented by a code. |
| Data Element Concept: | [Person—glycated haemoglobin level](https://meteor.aihw.gov.au/content/785958) |
| Value Domain: | [Glycated haemoglobin level code N](https://meteor.aihw.gov.au/content/785960) |

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| Value domain attributes | | |
| Representational attributes | | |
| Representation class: | Code | |
| Data type: | Number | |
| Format: | N | |
| Maximum character length: | 1 | |
|  | **Value** | **Meaning** |
| Permissible values: | 1 | Less than or equal to 7% (less than or equal to 53 mmol/mol) |
|  | 2 | Greater than 7% but less than or equal to 8% (greater than 53 mmol/mol but less than or equal to 64 mmol/mol) |
|  | 3 | Greater than 8% but less than 10% (greater than 64 mmol/mol but less than 86 mmol/mol) |
|  | 4 | Greater than or equal to 10% (greater than or equal to 86 mmol/mol) |

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| Source and reference attributes | |
| Submitting organisation: | Australian Institute of Health and Welfare |

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| Data element attributes | |
| Collection and usage attributes | |
| Guide for use: | Prior to 2013, glycated haemoglobin levels were usually recorded as a percentage in Australia. However, the International HbA1c Consensus Committee recommends that the best way to record glycated haemoglobin levels is in mmol/mol. This recommendation was supported by the Australasian Association of Clinical Biochemists, the Royal College of Pathologists of Australasia, the Australian Diabetes Educators Association, and the Australian Diabetes Society. Following this, HbA1c results are now being recorded in two ways in clinical systems; as a percentage and as mmol/mol.  HbA1c results should be reported for all clients, regardless of the manner in which their HbA1c is recorded. |
| Comments: | Glycated haemoglobin (HbA1c) is an index of average blood glucose level for the previous 2 to 3 months and is used to monitor blood sugar control in people with diabetes. |
| Source and reference attributes | |
| Submitting organisation: | Australian Institute of Health and Welfare |
| Relational attributes | |
| Related metadata references: | Supersedes [Person—glycosylated haemoglobin level, code N](https://meteor.aihw.gov.au/content/589601)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 13/03/2015  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Superseded 18/12/2023 |
| Implementation in Data Set Specifications: | [Aboriginal and Torres Strait Islander specific primary health care NBEDS December 2023](https://meteor.aihw.gov.au/content/787920)  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Standard 25/02/2024  ***Implementation start date:*** 01/07/2023 ***Implementation end date:*** 31/12/2023 ***Conditional obligation:***  Reporting against this data element is conditional on a person having both:   1. a 'CODE 02 Type 2 diabetes' response to '[Person—diabetes mellitus status, code NN](https://meteor.aihw.gov.au/content/270194)', and 2. a 'CODE 1 Yes' response to [Person—glycated haemoglobin measurement result recorded indicator, yes/no code N](https://meteor.aihw.gov.au/content/785950), where the result was recorded within the previous 6 months or within the previous 12 months, up to the census date.   ***DSS specific information:***  In the ATSISPHC NBEDS 'type 2 diabetes' specifically excludes type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, impaired fasting glucose, and impaired glucose tolerance.  Data are provided to the AIHW twice, for glycated haemoglobin (HbA1c) measurement results recorded within the previous 6 months and within the previous 12 months (up to the census date.)  Data relating to only the most recently recorded result are provided to the AIHW.  [Aboriginal and Torres Strait Islander specific primary health care NBEDS June 2024](https://meteor.aihw.gov.au/content/789146)  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Qualified 17/04/2024  ***Implementation start date:*** 01/01/2024 ***Implementation end date:*** 30/06/2024 ***Conditional obligation:***  Reporting against this data element is conditional on a person having both:   1. a 'CODE 02 Type 2 diabetes' response to '[Person—diabetes mellitus status, code NN](https://meteor.aihw.gov.au/content/270194)', and 2. a 'CODE 1 Yes' response to [Person—glycated haemoglobin measurement result recorded indicator, yes/no code N](https://meteor.aihw.gov.au/content/785950), where the result was recorded within the previous 6 months or within the previous 12 months, up to the census date.   ***DSS specific information:***  In the ATSISPHC NBEDS 'type 2 diabetes' specifically excludes type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, impaired fasting glucose, and impaired glucose tolerance.  Data are provided to the AIHW twice, for glycated haemoglobin (HbA1c) measurement results recorded within the previous 6 months and within the previous 12 months (up to the census date.)  Data relating to only the most recently recorded result are provided to the AIHW.  [Indigenous-specific primary health care NBEDS June 2023](https://meteor.aihw.gov.au/content/782621)  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Superseded 25/02/2024  ***Implementation start date:*** 01/01/2023 ***Implementation end date:*** 30/06/2023 ***Conditional obligation:***  Reporting against this data element is conditional on a person having both:   1. a 'CODE 02 Type 2 diabetes' response to '[Person—diabetes mellitus status, code NN](https://meteor.aihw.gov.au/content/270194)', and 2. a 'CODE 1 Yes' response to [Person—glycated haemoglobin measurement result recorded indicator, yes/no code N](https://meteor.aihw.gov.au/content/785950), where the result was recorded within the previous 6 months or within the previous 12 months, up to the census date.   ***DSS specific information:***  In the ISPHC NBEDS 'type 2 diabetes' specifically excludes type 1 diabetes, secondary diabetes, gestational diabetes mellitus (GDM), previous GDM, impaired fasting glucose, and impaired glucose tolerance.  Data are provided to the AIHW twice, for glycated haemoglobin (HbA1c) measurement results recorded within the previous 6 months and within the previous 12 months (up to the census date.)  Data relating to only the most recently recorded result are provided to the AIHW. |
| Implementation in Indicators: | **Used as Numerator** [First Nations-specific primary health care: PI06a-Number of First Nations regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, December 2023](https://meteor.aihw.gov.au/content/787955)  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Standard 25/02/2024  [First Nations-specific primary health care: PI06a-Number of First Nations regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, June 2024](https://meteor.aihw.gov.au/content/789177)  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Qualified 17/04/2024  [First Nations-specific primary health care: PI06b-Proportion of First Nations regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, December 2023](https://meteor.aihw.gov.au/content/787957)  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Standard 25/02/2024  [First Nations-specific primary health care: PI06b-Proportion of First Nations regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, June 2024](https://meteor.aihw.gov.au/content/789181)  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Qualified 17/04/2024  [Indigenous-specific primary health care: PI06a-Number of Indigenous regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, June 2023](https://meteor.aihw.gov.au/content/782653)  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Superseded 25/02/2024  [Indigenous-specific primary health care: PI06b-Proportion of Indigenous regular clients with type 2 diabetes who have an HbA1c measurement result within a specified level, June 2023](https://meteor.aihw.gov.au/content/782655)  [Indigenous](https://meteor.aihw.gov.au/RegistrationAuthority/6), Superseded 25/02/2024 |