Brachytherapy dose rate code N

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# Brachytherapy dose rate code N

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| Identifying and definitional attributes |
| Metadata item type: | Value Domain |
| METEOR identifier: | 468190 |
| Registration status: | [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 04/02/2015 |
| Definition: | A code set representing the dose rate of brachytherapy administered. |

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| Representational attributes |
| Representation class: | Code |
| Data type: | Number |
| Format: | N |
| Maximum character length: | 1 |
|   | **Value** | **Meaning** |
| Permissible values: | 1 | Low dose rate (LDR) |
|   | 2 | Medium dose rate (MDR) |
|   | 3 | High dose rate (HDR) |
|   | 4 | Pulsed dose rate (PDR) |
| Supplementary values: | 7 | Not applicable, no brachytherapy administered |
|   | 8 | Unknown whether brachytherapy administered |
|   | 9  | Brachytherapy administered but dose not available/inadequately specified  |

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| Collection and usage attributes |
| Guide for use: | The brachytherapy dose rate refers to the amount of radiation delivered by the source in Grays per hour (Gy/h).CODE 1   Low dose rate (LDR)Brachytherapy with a radiation source that emits up to 2 Gy/h.CODE 2   Medium dose rate (MDR)Brachytherapy with a radiation source that emits 2 Gy/h to 12 Gy/h.CODE 3   High dose rate (HDR)Brachytherapy with a radiation source that exceeds 12 Gy/h.CODE 4   Pulsed dose rate (PDR)Brachytherapy involving short pulses of radiation, which simulates an overall rate equivalent to LDR. |

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| Source and reference attributes |
| Submitting organisation: | Cancer Australia |
| Reference documents: | Thomadsen BR et al. (2005). Brachytherapy Physics. Medical Physics Publishing.Peinemann F, Grouven U, Hemkens LG, Bartel C, Borchers H, Pinkawa M, Heidenreich A, Sauerland S (2011). Low-dose rate brachytherapy for men with localized prostate cancer. Cochrane Database of Systematic Reviews, Issue 7. Art. No.: CD008871.Kubo DH, Glasgow GP, Pethel TD, Thomadson BR, Williamson JF (1998). High dose-rate brachytherapy treatment delivery: Report of the AAPM Radiation Therapy Committee Task Group No. 59. Medical Physics, 25(4), 376-403. |

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| Relational attributes  |
| Data elements implementing this value domain: | [Cancer treatment—brachytherapy dose rate, code N](https://meteor.aihw.gov.au/content/468137)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 04/02/2015 |