Person—sodium blood level, millimoles per litre NNN

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# Person—sodium blood level, millimoles per litre NNN

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| Identifying and definitional attributes |
| Metadata item type: | Data Element |
| Short name: | Sodium blood level |
| METEOR identifier: | 320701 |
| Registration status: | [Health!](https://meteor-uat.aihw.gov.au/RegistrationAuthority/14), Recorded 14/07/2006 |
| Definition: | The concentration of sodium in a person's blood measured in millimoles per litre. |
| Data Element Concept: | [Person—sodium blood level](https://meteor-uat.aihw.gov.au/content/320697)  |
| Value Domain: | [Millimoles per litre NNN](https://meteor-uat.aihw.gov.au/content/320699) |

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| Value domain attributes |
| Representational attributes |
| Representation class: | Total |
| Data type: | Number |
| Format: | NNN |
| Maximum character length: | 3 |
|   | **Value** | **Meaning** |
| Supplementary values: | 999  | Not stated/inadequately described  |
| Unit of measure: | Millimole per litre (mmol/L) |

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| Data element attributes  |
| Source and reference attributes |
| Submitting organisation: | ANZICS Database Management Committee |
| Reference documents: | Guide to Data Collection ANZICS Adult Patient Database (for AORTIC) Version 1. October 2000, ADMCKnaus WA, Draper EA, Wagner DP, Zimmerman JE. APACHE II: a severity of disease classification system. Crit Care Med 1985;13:818-828Knaus WA, Draper EA, Bergner M, Murphy DJ, Harrell FE. The APACHE III Prognostic System: Risk Prediction of Hospital Mortality for Critically Ill Hospitalized adults. Chest 1991;100:1619-1636Le Gall J-R, Lemeshow S, Saulnier F. A new simplified physiology score (SAPS II) based on a European/North American multicenter study. JAMA 1993;270:2957-2963 |
| Relational attributes |
| Implementation in Data Set Specifications: | [Intensive care DSS](https://meteor-uat.aihw.gov.au/content/316130)[Health!](https://meteor-uat.aihw.gov.au/RegistrationAuthority/14), Recorded 14/07/2006***DSS specific information:*** Sodium levels from a series of blood tests measured in the first 24 hours of the Intensive care admission should be collected.The sodium (Na) value is used in the calculation of APACHE II, APACHE III and SAPS II scoring systems. Not recorded values are assumed to be normal and are scored accordingly.APACHE IIFor the calculation of the APACHE II score, the highest and lowest sodium values in the first 24 hours are collected and then scored using the following APACHE II weight scoring system. For the calculation of the APACHE II score, the highest score is used.

|  |  |  |
| --- | --- | --- |
|  High abnormal range |   | Low abnormal range |
| +4 | +3 | +2 | +1 | 0 | +1 | +2 | +3 | +4 |
| ≥180 | 160-179 | 155-159 | 150-154 | 130-149 |   | 120-129 | 111-119 | ≤110 |

APACHE IIIFor the calculation of the APACHE III score, the highest and lowest sodium values in the first 24 hours are collected and then scored using the following APACHE III weight scoring system. For the calculation of the APACHE III score, the highest score is used.

|  |  |  |
| --- | --- | --- |
|  High abnormal range |   | Low abnormal range |
| +4 | 0 | +2 | +3 |
| ≥155 | 135-154 | 120-134 | ≤119 |

SAPS IIFor the calculation of the SAPS II score, the highest and lowest sodium values in the first 24 hours are collected and then scored using the following SAPS II weight scoring system. For the calculation of the SAPS II score, the highest score is used.

|  |  |  |
| --- | --- | --- |
|  High abnormal range |   | Low abnormal range |
| 1 | 0 | +5 |
| ≥145 | 125-144 | <125 |

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