

Supplementary material: Data Dictionary - ANSd

Table 1: Data dictionary detailing the data types, descriptions, and allowed values for the tipo_mantenedora entity.

Field	Type	Description	Allowed Values	Nullable
id	INT	Unique manteiner type identifier	Auto-increment	No
tipo	TEXT	Category or classification of the main- taining organization	Standard maintainer categories (e.g., Municipal, Estadual(State), Federal, Privado(Private)	No

Table 2: Data dictionary detailing the data types, descriptions, and allowed values for the lesão entity.

Field	Type	Description	Allowed Values	Nullable
id	INT	Unique injury identifier	Auto-increment	No
nome	TEXT	Name of injury	Amputação(Amputation), Cu- rativo(Wound Dressing), Garra fixa(Fixed claw hand), Garra móvel(Flexible claw hand), Lesões tróficas(Trophic ulcers), Lesões traumáticas(Traumatic injuries), Reabsorção(Bone resorption)	No

Table 3: Data dictionary detailing the data types, descriptions, and allowed values for the parte_corpo entity.

Field	Type	Description	Allowed Values	Nullable
id	INT	Unique body part identifier	Auto-increment	No
parte_corpo	TEXT	Name of body part	Evaluated extremities and regions (e.g., Mão Direita (Right Hand), Mão Esquerda (Left Hand), Pé Di- reito (Right Foot), Pé Esquerdo (Left Foot), Face)	No

Table 4: Data dictionary detailing the data types, descriptions, and allowed values for the cor entity.

Field	Type	Description	Allowed Values	Nullable
id	INT	Unique color identifier	Auto-increment	No
cor	TEXT	Foreign key for the Esthesiometer color felt by the patient	Monofilament colors (e.g., Verde (Green), Azul (Blue), Violeta (Violet), Vermelho (Red), Laranja (Orange), Magenta, Preto (Black))	No

Table 5: Data dictionary detailing the data types, descriptions, and allowed values for the nome_ponto entity.

Field	Type	Description	Allowed Values	Nullable
id	INT	Unique identifier for the body part	Auto-increment	No
nome	TEXT	Name of the anatomical region being evaluated	Standardized WHO sensory test points (e.g., Distal do polegar (Distal Thumb), Dorso - medial cutâneo (Dorsal - Medial Cutaneous))	No

Table 6: Data dictionary detailing the data types, descriptions, and allowed values for the unidade_de_saude entity.

Field	Type	Description	Allowed Values	Nullable
id	INT	Unique health unity identifier	Auto-increment	No
nome	TEXT	Health unity name	Free text	No
cnes	TEXT	National register of health establishment	Free text	No
municipio	TEXT	City or municipality of the health unity	Free text	Yes
uf	TEXT	State of the health unity (Federative Unit)	Two-letter Brazilian state codes (e.g., PE, SP, RJ)	Yes
id_tipo_mantenedora	INT	Foreign key referencing the maintainer	References tipo_mantenedora (id)	No

Table 7: Data dictionary detailing the data types, descriptions, and allowed values for the usuario entity.

Field	Type	Description	Allowed Values	Nullable
id	TEXT	Unique user identifier	UUID	No
nome	TEXT	Full name of the healthcare professional	Free text	No
senha	TEXT	Encrypted/hashed password for system authentication	Hashed string	No
tipo_profissional	TEXT	Role or category of the healthcare worker	Free text	Yes
numero_conselho	TEXT	Professional council registration number (e.g., CRM, COREN)	Free text	Yes
email	TEXT	User's email address for login	Valid email format	Yes
id_unidade_de_saude	INT	Foreign key referencing the primary health unit	References unidade_de_saude (id)	No

Table 8: Data dictionary detailing the data types, descriptions, and allowed values for the paciente entity.

Field	Type	Description	Allowed Values	Nullable
id	TEXT	Unique patient identifier	UUID	No
cpf	TEXT	Brazilian National ID (CPF)	000.000.000-00	Yes
nome	TEXT	Patient’s full name	Free text	No
ocupacao	TEXT	Main occupation or profession	Free text	No
sexo	TEXT	Biological sex	M, F	No
municipio	TEXT	City or municipality of residence	Free text	No
uf	TEXT	State of residence (Federative Unit)	Two-letter Brazilian state codes (e.g., PE, SP, RJ)	No
data_nascimento	TEXT	Date of birth	DD/MM/YYYY	No
celular	TEXT	Mobile phone number for contact	(99) 9.9999-9999	Yes
class_op	TEXT	Leprosy Operational Classification	MB (Multibacillary) or PB (Paucibacillary)	Yes
forma_clinica	TEXT	Clinical form of the disease	I (Indeterminate), T (Tuberculoid), D (Dimorphous), V (Virchowian), N (Neural), NC (Unclassified)	Yes

Table 9: Data dictionary detailing the data types, descriptions, and allowed values for the tratamento entity.

Field	Type	Description	Allowed Values	Nullable
id_tratamento	TEXT	Unique treatment identifier	UUID	No
medicacao	TEXT	Prescribed medication or treatment	Free text	No
possologia	TEXT	Medication dosage and frequency	Free text	No
data_inicio	TEXT	Treatment start date	DD/MM/YYYY	No
data_fim	TEXT	Treatment end date (expected or actual)	DD/MM/YYYY	Yes
status	TEXT	Current status of the treatment	Free text	No
observacoes	TEXT	Additional clinical notes or observations	Free Text	Yes
id_paciente	TEXT	Foreign key linking to the Patient table	References paciente (id)	No

Table 10: Data dictionary detailing the data types, descriptions, and allowed values for the modo_avaliacao entity.

Field	Type	Description	Allowed Values	Nullable
id	INT	Unique evaluation mode identifier	Auto-increment	No
modo	TEXT	Specifies whether the assessment was done with or without the esthesiometer.	Estesiômetro (esthesiometer), Sem Estesiômetro (without esthesiometer)	No

Table 11: Data dictionary detailing the data types, descriptions, and allowed values for the avaliacao entity.

Field	Type	Description	Allowed Values	Nullable
id	TEXT	Unique identifier for each evaluation	UUID	No
id_paciente	TEXT	Foreign key referencing the patient	References Paciente (id)	No
data_aval	TEXT	Date when the evaluation was performed	DD/MM/YYYY	No
queixa_face_olhos	TEXT	Patient's complaint regarding eyes	Free text	Yes
queixa_face_nariz	TEXT	Patient's complaint regarding nose	Free text	Yes
queixa_membro_sup	TEXT	Patient's complaint regarding upper limbs	Free text	Yes
queixa_membro_inf	TEXT	Patient's complaint regarding lower limbs	Free text	Yes
id_modo_avaliacao	INT	Foreign key referencing the evaluation mode	References modo_avaliacao (id)	No
perfuracao_septo	INT	Additional clinical notes	0, 1	Yes
id_usuario	TEXT	Foreign key referencing the user who made the assessment	References usuario (id)	No

Table 12: Data dictionary detailing the data types, descriptions, and allowed values for the lado entity.

Field	Type	Description	Allowed Values	Nullable
id	INT	Unique evaluation mode identifier	Auto-increment	No
lado	TEXT	Determine which side of the body	Direita (Right) or Esquerda (Left)	No

Table 13: Data dictionary detailing the data types, descriptions, and allowed values for the face entity.

Field	Type	Description	Allowed Values	Nullable
id	TEXT	Unique identifier for facial evaluation	UUID	No
id_avaliacao	TEXT	Foreign key referencing the clinical record	References avaliacao(id)	No
nariz_ressecamento	INT	Presence of nasal dryness	0, 1	No
nariz_ferida	INT	Presence of nasal wounds	0, 1	No
olhos_dim_sensi_cornea	INT	Reduced corneal sensitivity	0, 1	No
olhos_dim_forca_palpebra	INT	Reduced eyelid muscle strength	0, 1	No
olhos_fecha_com_forca	FLOAT	Ability to fully close eyes with strength	0, 1	Yes
olhos_fecha_sem_forca	FLOAT	Ability to close eyes without strength	0, 1	Yes
olhos_triquiase	INT	Presence of trichiasis	0, 1	No
olhos_opacidade_cornea	INT	Presence of corneal opacity	0, 1	No
olhos_ectropico	INT	Presence of ectropion	0, 1	No
olhos_acuidade_visual	FLOAT	Visual acuity measurement	0.1, 0.13, 0.16, 0.2, 0.25, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 1.0	Yes
id_lado	INT	Determine which side of the body (right or left)	References lado (id)	No

Table 14: Data dictionary detailing the data types, descriptions, and allowed values for the membro_superior entity.

Field	Type	Description	Allowed Values	Nullable
id	TEXT	Unique identifier for upper limb evaluation	UUID	No
id_avaliacao	TEXT	Foreign key referencing the clinical record	References avaliacao(id)	No
palp_nervo_radial	TEXT	Radial nerve palpation findings	N(Normal), E(Espessado(Thickened))	Yes
choque_nervo_radial	INT	Presence of shock sensation during radial nerve palpation	0, 1	Yes
dor_nervo_radial	INT	Presence of pain during radial nerve palpation	0, 1	Yes
palp_nervo_ulnar	TEXT	Ulnar nerve palpation findings	N(Normal), E(Espessado(Thickened))	Yes
choque_nervo_ulnar	INT	Presence of shock sensation during ulnar nerve palpation	0, 1	Yes
dor_nervo_ulnar	INT	Presence of pain during ulnar nerve palpation	0, 1	Yes
palp_nervo_mediano	TEXT	Median nerve palpation findings	N(Normal), E(Espessado(Thickened))	Yes
choque_nervo_mediano	INT	Presence of shock sensation during median nerve palpation	0, 1	Yes
dor_nervo_mediano	INT	Presence of pain during median nerve palpation	0, 1	Yes
aval_forca_ulnar	TEXT	Motor strength evaluation for the ulnar nerve	0, 1, 2, 3, 4, 5	No
aval_forca_radial	TEXT	Motor strength evaluation for the radial nerve	0, 1, 2, 3, 4, 5	No
aval_forca_mediano	TEXT	Motor strength evaluation for the median nerve	0, 1, 2, 3, 4, 5	No
achados	TEXT	Additional clinical findings	Free text	Yes
id_lado	INT	Determine which side of the body	References lado (id)	No

Table 15: Data dictionary detailing the data types, descriptions, and allowed values for the membro_Inferior entity.

Field	Type	Description	Allowed Values	Nullable
id	TEXT	Unique identifier for lower limb evaluation	UUID	No
id_avaliacao	TEXT	Foreign key referencing the clinical record	References avaliacao(id)	No
palp_nervo_fibular	TEXT	Fibular (peroneal) nerve palpation findings	N(Normal), E(Espessado(Thickened))	Yes
choque_nervo_fibular	INT	Presence of shock sensation during fibular nerve palpation	0, 1	Yes
dor_nervo_fibular	INT	Presence of pain during fibular nerve palpation	0, 1	Yes
palp_nervo_tibial	TEXT	Tibial nerve palpation findings	N(Normal), E(Espessado(Thickened))	Yes
choque_nervo_tibial	INT	Presence of shock sensation during tibial nerve palpation	0, 1	Yes
dor_choque_tibial	INT	Presence of pain during tibial nerve palpation	0, 1	Yes
aval_forca_halux	INT	Hallux (big toe) muscle strength	0, 1, 2, 3, 4, 5	No
aval_forca_dorsiflexao	INT	Ankle dorsiflexion muscle strength	0, 1, 2, 3, 4, 5	No
achados	TEXT	Additional clinical findings	Free text	Yes
id_lado	INT	Determine which side of the body	References lado (id)	No

Table 16: Data dictionary detailing the data types, descriptions, and allowed values for the avaliacao_sensitiva entity.

Field	Type	Description	Allowed Values	Nullable
id	TEXT	Unique identifier for sensory evaluation	UUID	No
id_avaliacao	TEXT	Foreign key referencing the clinical record	References avaliacao(id)	No
id_parte_corpo	INT	Foreign key identifying the body part being mapped	References parte_corpo (id)	No
id_nome_ponto	INT	Point names according to ANS	References nome_ponto (id)	No
id_cor	INT	Foreign key for the Esthesiometer color felt by the patient	References cor(id)	No
x	FLOAT	X-axis coordinate for plotting on UI map	Float number	No
y	FLOAT	Y-axis coordinate for plotting on UI map	Float number	No

Table 17: Data dictionary detailing the data types, descriptions, and allowed values for the avaliacao_inspecao_membro entity.

Field	Type	Description	Allowed Values	Nullable
id	TEXT	Unique identifier for hand sensory evaluation	UUID	No
id_avaliacao	TEXT	Foreign key referencing the clinical record	References avaliacao(id)	No
id_parte_corpo	INT	Foreign key identifying the body part being mapped	References parte_corpo (id)	No
id_lesao	INT	Foreign key referencing dermatological lesion types	References lesao (id)	No
rotacao	FLOAT	Rotation angle of the lesion graphic on the UI canvas	Float number	No
x	FLOAT	X-axis coordinate for plotting lesion center on UI	Float number	No
y	FLOAT	Y-axis coordinate for plotting lesion center on UI	Float number	No
tamanho_x	FLOAT	Horizontal scaling or width of the mapped lesion	Float number	No
tamanho_y	FLOAT	Vertical scaling or height of the mapped lesion	Float number	No

Table 18: Data dictionary detailing the data types, descriptions, and allowed values for the avaliacao_gif entity.

Field	Type	Description	Allowed Values	Nullable
id	TEXT	Unique identifier for scoring record	UUID	No
id_avaliacao	TEXT	Foreign key referencing the clinical record	References avaliacao (id)	No
olho_d	INT	Score assigned to right eye	0, 1, 2	No
olho_e	INT	Score assigned to left eye	0, 1, 2	No
mao_d	INT	Score assigned to right hand	0, 1, 2	No
mao_e	INT	Score assigned to left hand	0, 1, 2	No
pe_d	INT	Score assigned to right foot	0, 1, 2	No
pe_e	INT	Score assigned to left foot	0, 1, 2	No
maior_grau	INT	Maximum disability grade found among evaluated regions	0, 1, 2	No
soma_omp	INT	Sum of all regional scores (Eye-Hand-Foot (EHF))	0 to 12	No