



AOANJRR

Australian  
Orthopaedic  
Association  
National  
Joint  
Replacement  
Registry

# Data Set Specification

SAHMRI AOANJRR

Version 1.0

The Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR) is an initiative of the Australian Orthopaedic Association (AOA). The AOANJRR was established in 1999 becoming fully national in mid-2002. The purpose of the AOANJRR is to improve and maintain the quality of care for individuals receiving joint replacement surgery. Information on hip, knee, shoulder, elbow, wrist, ankle and spinal disc replacement is collected from all hospitals in Australia undertaking joint replacement surgery.

The AOANJRR is funded by the Commonwealth Department of Health. The South Australian Health & Medical Research Institute (SAHMRI), is contracted by the AOA to provide data management and analysis services to the AOANJRR.

SAHMRI have made all reasonable efforts to identify and label data collected by the Australian Orthopaedic Association National Joint Replacement Registry, who collectively are the rightful owners of their data. SAHMRI act as Custodian of the data, the analyses and reports generated from the data collected. Enquiries relating to this document should be addressed:

AOANJRR Manager

E: [cturner@aoanjrr.org.au](mailto:cturner@aoanjrr.org.au)

T: +61 8 8128 4280

South Australian Health and Medical Research Institute (SAHMRI), North Terrace, Adelaide South Australia, 5000

## VERSION HISTORY

<b>Version No.</b>	<b>Release date</b>	<b>Remarks</b>	<b>Prepared by</b>	<b>Approved by</b>
1.0	07/05/2020	Introducing the new data dictionary for the AOANJRR website	SAHMRI (Dyer, C., Heath, E., Barrow, J., Lorimer, M.)	AOANJRR (Graves, S., de Steiger, R., Harris, I)

---

# Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR) Dataset

---

## Identifying and definitional attributes

<i>Item type:</i>	Data Set Specifications
<i>Registry Identifier:</i>	AOANJRR
<i>Scope:</i>	The Australian Orthopaedic Association National Joint Replacement Registry has been in operation since its inception in 1999. The purpose of the Registry is to record, analyse and report on the outcomes of joint replacement surgery.

## Relational attributes

<i>Related references::</i>	Nil
-----------------------------	-----

## Accountability attributes

<i>Organisation/s responsible for providing data:</i>	South Australian Health and Medical Research Institute
<i>Accountability:</i>	SAHMRI

## Collection and usage attributes

<i>Computation: description:</i>	Electronic data entry
<i>Comments:</i>	Hospitals provide data on specific Registry forms, which are completed in theatre at the time of surgery and submitted to the Registry each month. Hard copy forms are sent to the Registry where a team of expert data entry staff enter the data directly into the database. The AOANJRR continues to use a paper-based system but has established the mechanisms to collect data electronically when this is feasible for contributing hospitals.

# List of Items

- Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR) Dataset ... 4
- Items ..... 6
- AOANJRR Procedure Information..... 7
- AOANJRR Hip Components..... 14
- AOANJRR Knee Components ..... 17
- AOANJRR Shoulder Components ..... 19
- AOANJRR Elbow Components ..... 22
- AOANJRR Wrist Components ..... 25
- AOANJRR Ankle Components ..... 28
- AOANJRR Spine Components..... 30

# Items

## AOANJRR Attribute Information

*Item type:* Data set specifications

*Table name:* **Attribute**

*Description:* Complete attribute information for all procedures in the AOANJRR Registry

<i>Item</i>	<i>Item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	CtlgNumb	Mandatory	Integer	Catalogue number
J	MRngRept	Mandatory	Nvarchar	Model name
3	OrgnName	Mandatory	Nvarchar	Manufacturer name
4	PrthAbbr	Mandatory	Nvarchar	Abbreviation of component name
5	O_PrthAbbr	Mandatory	Nvarchar	Abbreviation of component name
6	CTypDesc	Mandatory	Nvarchar	Component Type (interface, major, not required)
7	ReSeDesc	Mandatory	Nvarchar	Replacement Severity (major, minor, not available, not required)
8	CatObjID	Mandatory	Integer	Catalogue identifier (for internal use only)
9	CtlgDesc	Mandatory	Nvarchar	Catalogue description
10	o_CtlgDesc	Mandatory	Nvarchar	Catalogue description
11	YsNoDesc	Mandatory	Nvarchar	Component requires use with cement (Yes or No)
12	ModRangeObjID	Mandatory	Integer	Model range object ID (internal use only)
13	prthside	Mandatory	Nvarchar	Intended side for component used
14	outermm	Mandatory	Integer	Outer diameter of component in mm
15	innermm	Mandatory	Integer	Inner diameter of component in mm
16	kithmm	Mandatory	Integer	Knee insert thickness in mm
17	offsetmm	Mandatory	Integer	Stem offset in mm
18	lengthmm	Mandatory	Integer	Length in mm
19	stemlengthmm	Mandatory	Integer	Length of stem in mm
20	width_knee_mm	Mandatory	Integer	Width of tibial component in mm
21	Size	Mandatory	Integer	Size classification of component

22	AP_length	Mandatory	Integer	Anterior-posterior length in mm
23	ML_length	Mandatory	Integer	Medial-lateral width in mm
24	move1	Mandatory	Nvarchar	Movement of knee replacement (rotating, sliding or fixed)
25	move2	Mandatory	Nvarchar	Movement of knee replacement (sliding)
26	stable1	Mandatory	Nvarchar	Stability of knee replacement (Minimally Stabilised, Fully Stabilised, Posterior Stabilised, Hinged)
27	stable2	Mandatory	Nvarchar	Stability of knee replacement (where there is more than 1 type)
28	cement1	Mandatory	Nvarchar	Type of cement used in the joint replacement (plain, antibiotic)
29	material1	Mandatory	Nvarchar	Material used in the joint replacement
30	material2	Mandatory	Nvarchar	Material used in the joint replacement (where there is more than 1 type)
31	Constraint1	Mandatory	Nvarchar	Records if the prosthesis is Constrained
32	StemType1	Mandatory	Nvarchar	Type of stem used in the joint replacement (fracture, mini stem, requires femneck, requires modular body)
33	StemType2	Mandatory	Nvarchar	Type of stem used in the joint replacement (mini stem, requires modular body)
34	coating1	Mandatory	Nvarchar	Type of coating used in the joint replacement (ceramic, HA Coated, PMMA, tin)
35	design1	Mandatory	Nvarchar	Type of design of the joint replacement (bicruciate retaining, cluster hole, keeled, pegged, solid, stemmed)
36	collar1	Mandatory	Nvarchar	Type of collar used in the joint replacement (collared, collarless)
37	setting1	Mandatory	Nvarchar	Type of setting used in the joint replacement (inlay/onlay, inset, onlay)
38	fixationsurface1	Mandatory	Nvarchar	Type of fixation surface used in the joint replacement (beaded, macrot textured, matt, polished, porous)



39	antioxidant1	Mandatory	Nvarchar	Type of antioxidant used in the joint replacement (covernox, vitamin E)
40	glentype1	Mandatory	Nvarchar	Type of glenoid used in the joint replacement (all polyethylene, metal backed)
41	ceramictype1	Mandatory	Nvarchar	Type of ceramic used in the joint replacement (alumina, mixed ceramic, zirconia)
42	spinaldisctype1	Mandatory	Nvarchar	Type of spinal disc used in the joint replacement (cervical, lumbar)
43	acetabtype1	Mandatory	Nvarchar	Type of acetabular component (degrees of elevation, hooded, lipped etc)
44	acetabtype2	Mandatory	Nvarchar	Type of acetabular component
45	metalttype1	Mandatory	Nvarchar	Type of metal used in the joint replacement (cobalt chrome, cobalt chrome/titanium, stainless steel, tantalum, titanium, titanium/cobalt chrome)
46	patttype1	Mandatory	Nvarchar	Bearing surface of the patella
47	hingetype1	Mandatory	Nvarchar	Type of hinge used in the joint replacement (axle, intracondylar )
48	tibtype1	Mandatory	Nvarchar	Type of tibial used in the joint replacement (all polyethylene, moulded metal back)
49	medialpivot1	Mandatory	Nvarchar	Records whether the knee insert is a medial pivot design
50	polymrad1	Mandatory	Nvarchar	Molecular weight polyethylene
51	MRngStrt	Mandatory	Integer	Start of the catalogue number range
52	MRngEnd	Mandatory	Integer	End of the catalogue number range
53	o_MRngDesc	Mandatory	Nvarchar	Model range description
54	DistID	Mandatory	Integer	Distributor ID
55	Distributor	Mandatory	Nvarchar	Distributor name

---

## AOANJRR Cement Information

---

*Item type:* Data set specifications

*Table name:* Cement

*Description:* Complete attribute information for all procedures in the AOANJRR Registry

<i>Item</i>	<i>Item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	procdate	Mandatory	Date	Date of the procedure
2	ObjID	Mandatory	Integer	AOANJRR procedure ID
3	proc	Mandatory	Nvarchar	Type of procedure
4	locn	Mandatory	Nvarchar	Location of the procedure
5	CtlgNumb	Mandatory	Nvarchar	Catalogue number
6	Model	Mandatory	Nvarchar	Model
7	orgn	Mandatory	Nvarchar	Manufacturer
8	Cement1	Mandatory	Nvarchar	Type of cement used
9	procyr	Mandatory	Integer	Procedure year

---

## AOANJRR Procedure Information

---

*Item type:* Data set specifications

*Table name:* **Demo**

*Description:* Complete procedure information for all procedures in the AOANJRR Registry

<i>Item</i>	<i>Item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	Procdate	Mandatory	Date	Date of Procedure
2	Objid	Mandatory	Integer	AOANJRR procedure ID
3	SrceSSts	Mandatory	Nvarchar	Source Status
4	StypDesc	Mandatory	Nvarchar	Location of Procedure e.g. knee
5	ProcSide	Mandatory	Integer	Procedure Side
6	Surgid	Mandatory	Integer	Internal Surgeon ID
7	Sex	Mandatory	Integer	Patient Gender
8	ASA	Mandatory	Integer	Anaesthesiologists - Physical Status Classification (ASA Score)
9	Approach	Mandatory	Nvarchar	Surgical approach
10	BMI	Mandatory	Integer	Body Mass Index (BMI)
11	OthrMNum	Optional	Integer	Medicare Number
12	OthrVNum	Optional	Integer	DVA Number
13	Pdtldesc	Mandatory	Nvarchar	Description of procedure i.e. Primary Knee
14	Postcode	Mandatory	Integer	Postcode
15	Procyr	Mandatory	Integer	Year of Procedure
16	Procmth	Mandatory	Integer	Month of Procedure
17	Procday	Mandatory	Integer	Day of Procedure
18	DOB	Mandatory	Date	Patient Date of Birth
19	dobyrr	Mandatory	Integer	Patient Birth Year
20	dobmth	Mandatory	Integer	Patient Birth Month
21	dobday	Mandatory	Integer	Patient Birth Day
22	ChckDOB	Conditional	Integer	DOB has been checked by Data Management (for internal use only)

23	ChckGend	Conditional	Integer	Gender has been checked by Data Management (for internal use only)
24	ChckName	Conditional	Integer	Name has been checked by Data Management (for internal use only)
25	Chckmtch	Conditional	Integer	The linking of two patient records has been checked by Data Management (for internal use only)
26	Chcksurg	Conditional	Integer	Surgeon has been checked by Data Management (for internal use only)
27	ChckASA	Conditional	Integer	ASA has been checked by Data Management (for internal use only)
28	ChckBMI	Conditional	Integer	BMI has been checked by Data Management (for internal use only)
29	Typeprim	Mandatory	Integer	Type of primary procedure
30	Typerev	Mandatory	Integer	Type of revision procedure for reporting purposes
31	Xtyperev	Mandatory	Integer	Type of revision procedure with full description
32	Age	Mandatory	Integer	Patient age at time of procedure
33	Procgrp	Mandatory	Integer	Procedure Group: 1= Partial, 2 = Total , 3 Revision
34	Flag	Mandatory	Integer	Column of 1s (For internal use only)
35	OrgnName	Mandatory	Nvarchar	Name of Hospital
36	OtypDesc	Mandatory	Nvarchar	Description of public or private hospital
37	StTeName	Mandatory	Nvarchar	State name
38	OrgnID	Mandatory	Integer	AOANJRR hospital ID
39	OrgnAbbr	Mandatory	Nvarchar	Abbreviation of hospital name
40	MAINDIAG	Mandatory	Nvarchar	Diagnosis of primary procedure
41	LinkID	Optional		Patient identifier
42	DethFlag	Mandatory	Integer	Patient death status
43	DethDate	Mandatory	Date	Date of patient death
44	State	Mandatory	Integer	State of patient residence
45	Procmonth	Mandatory	Nvarchar	Month of procedure

46 Id

Mandatory Nvarchar State of patient residence

---

## AOANJRR Hip Components

---

### Identifying and definitional attributes

<i>Item type:</i>	Data set specifications
<i>Table name:</i>	<b>Comp_hip</b>
<i>Description:</i>	Complete component information for all Hip Replacement procedures

### Items in this Data Set Specifications

<i>Item</i>	<i>Item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	Procdate	Mandatory	Date	Date of procedure
2	Objid	Mandatory	Integer	AOANJRR procedure ID
3	Proc	Mandatory	Nvarchar	Description of procedure
4	Cas	Mandatory	Nvarchar	Computer navigation
5	Idit	Mandatory	Nvarchar	Image derived instrumentation
6	Chckcmpt	Mandatory	Integer	Use of component has been checked by Data Management (for internal use only)
7	Chckcmnt	Mandatory	Integer	Use of cement has been checked by Data Management (for internal use only)
8	chckproc	Mandatory	Integer	Category of procedure has been checked by Data Management (for internal use only)
9	M_acetab	Mandatory	Nvarchar	Acetabular model
10	N_acetab	Mandatory	Integer	Acetabular catalogue number
11	S_acetab	Mandatory	Nvarchar	Acetabular component supplier
12	R_acetab	Mandatory	Integer	Acetabular component range
13	T_Acetab	Mandatory	Nvarchar	Type of Acetabular component
14	Bs_acetab	Mandatory	Nvarchar	Bearing surface of Acetabular component
15	Od_acetab	Mandatory	Integer	Acetabular component size
16	Ctype_acetab	Mandatory	Nvachar	Ceramic Type of acetabular component
17	M_insert	Mandatory	Nvarchar	Insert model
18	N_insert	Mandatory	Integer	Insert catalogue number

19	S_insert	Mandatory	Nvarchar	Insert component supplier
20	R_insert	Mandatory	Integer	Insert component range
21	T_insert	Mandatory	Nvarchar	Type of insert component
22	Bs_insert	Mandatory	Nvarchar	Bearing surface of insert component
23	Od_insert	Mandatory	Integer	Insert component size
24	M_femstem	Mandatory	Nvarchar	Femoral stem model
25	N_femstem	Mandatory	Integer	Femoral stem catalogue number
26	S_femstem	Mandatory	Nvarchar	Femoral stem supplier
27	R_femstem	Mandatory	Integer	Femoral stem model range
28	T_femstem	Mandatory	Nvarchar	Type of femoral stem
29	od_femstem	Mandatory	Integer	Size of femoral stem
30	m_femneck	Mandatory	Nvarchar	Femoral neck model
31	S_femneck	Mandatory	Nvarchar	Femoral neck supplier
32	N_femneck	Mandatory	Integer	Femoral neck catalogue number
33	R_femneck	Mandatory	Integer	Femoral neck catalogue range
34	M_head	Mandatory	Nvarchar	Femoral head model
35	S_head	Mandatory	Nvarchar	Femoral head supplier
36	N_head	Mandatory	Integer	Femoral head catalogue number
37	R_head	Mandatory	Integer	Femoral head catalogue range
38	Bs_head	Mandatory	Nvarchar	Femoral head bearing surface
39	Od_head	Mandatory	Integer	Femoral head size
40	Ctype_head	Mandatory	Nvarchar	Femoral head cement type
41	T_head	Mandatory	Nvarchar	Type of femoral head
42	M_bipolar	Mandatory	Nvarchar	Bipolar model
43	S_bipolar	Mandatory	Nvarchar	Bipolar supplier
44	N_bipolar	Mandatory	Integer	Bipolar catalogue number
45	R_bipolar	Mandatory	Integer	Bipolar catalogue range
46	Bs_bipolar	Mandatory	Nvarchar	Bipolar bearing surface
47	Od_bipolar	Mandatory	Integer	Bipolar head size

48	Ctype_bipolar	Mandatory	Nvarchar	Bipolar cement type
49	T_bipolar	Mandatory	Nvarchar	Type of bipolar
50	M_intrspcr	Mandatory	Nvarchar	Interspacer model
51	S_intrspcr	Mandatory	Nvarchar	Interspacer supplier
52	N_intrspcr	Mandatory	Integer	Interspacer catalogue number
53	R_instrspc	Mandatory	Integer	Interspacer catalogue range
54	M_saddle	Mandatory	Nvarchar	Saddle model
55	S_saddle	Mandatory	Nvarchar	Saddle supplier
56	N_saddle	Mandatory	Integer	Saddle catalogue number
57	R_saddle	Mandatory	Integer	Saddle catalogue range
58	Cf_acetab	Mandatory	Integer	Fixation of the acetabular component recorded on surgical form
59	Cf_femur	Mandatory	Integer	Fixation of the femoral stem component recorded on surgical form
60	C_femur	Mandatory	Integer	Recommended fixation of femoral stem
61	C_acetab	Mandatory	Integer	Recommended fixation of acetabular component



---

## AOANJRR Knee Components

---

### Identifying and definitional attributes

<i>Item type:</i>	Data set specifications
<i>Table name:</i>	<b>Comp_knee</b>
<i>Description:</i>	Complete component information for all Knee Replacement Procedures

### Source or reference attributes

*Submitting Organisation:*

### Items in this Data Set Specifications

<i>Item</i>	<i>Item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	Procdate	Mandatory	Date	Procedure date
2	Objid	Mandatory	Integer	AOANJRR procedure ID
3	Proc	Mandatory	Nvarchar	Description of procedure
4	Cas	Mandatory	Nvarchar	Computer navigation system
6	Idit	Mandatory	Nvarchar	Image derived instrumentation
7	RobotType	Mandatory	Nvarchar	Type of robot used in replacement
8	Chckcmpt	Mandatory	Nvarchar	Use of component has been checked by Data Management (for internal use only)
9	Chckproc	Mandatory	Nvarchar	Category of procedure has been checked by Data Management (for internal use only)
10	Chckcmnt	Mandatory	Nvarchar	Use of cement has been checked by Data Management (for internal use only)
11	M_fem	Mandatory	Nvarchar	Femoral component model
12	N_fem	Mandatory	Integer	Femoral component catalogue number
13	S_fem	Mandatory	Nvarchar	Femoral component supplier
14	R_fem	Mandatory	Integer	Femoral component catalogue range
15	T_fem	Mandatory	Integer	Type of femoral component
21	M_tib	Mandatory	Nvarchar	Tibial component model

22	N_tib	Mandatory	Integer	Tibial component catalogue number
23	S_tib	Mandatory	Nvarchar	Tibial component supplier
24	R_tib	Mandatory	Integer	Tibial component catalogue range
25	T_tib	Mandatory	Nvarchar	Tibial component type
26	Bs_tib	Mandatory	Nvarchar	Tibial component bearing surface
27	M_insert	Mandatory	Nvarchar	Insert model
28	N_insert	Mandatory	Integer	Insert catalogue number
29	S_insert	Mandatory	Nvarchar	Insert supplier
30	R_insert	Mandatory	Integer	Insert catalogue range
31	T_insert	Mandatory	Nvarchar	Insert type
32	Bs_insert	Mandatory	Nvarchar	Insert bearing surface
33	M_pat	Mandatory	Nvarchar	Patella model
34	N_pat	Mandatory	Integer	Patella catalogue number
35	S_pat	Mandatory	Nvarchar	Patella supplier
36	R_pat	Mandatory	Integer	Patella catalogue range
37	T_pat	Mandatory	Nvarchar	Type of patella
38	Cf_femur	Mandatory	Integer	Surgical fixation of femoral component
39	Cf_tibia	Mandatory	Integer	Surgical fixation of tibia
40	Cf_patella	Mandatory	Integer	Surgical fixation of patella
41	C_femur	Mandatory	Integer	Recommended fixation of femoral component
42	C_tibia	Mandatory	Integer	Recommended fixation of tibia
43	C_patella	Mandatory	Integer	Recommended fixation of patella
44	Move	Mandatory	Nvarchar	Movement of the knee replacement
45	Stable	Mandatory	Nvarchar	Stability of the knee replacement
46	Medialpivot	Mandatory	Nvarchar	Medial pivot stability of knee
47	Cement	Mandatory	Integer	Fixation of the Knee Replacement
48	Cementf	Mandatory	Integer	Fixation of the Knee Replacement (incl. Hybrid Fixation)
49	Patused	Mandatory	Integer	Implantation of a patella component

---

## AOANJRR Shoulder Components

---

### Identifying and definitional attributes

<i>Item type:</i>	Data set specifications
<i>Table name:</i>	<b>Comp_shld</b>
<i>Description:</i>	Complete component information for all Shoulder Replacement procedures

### Items in this Data Set Specifications

<i>Item</i>	<i>Item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	Procdate	Mandatory	Date	Procedure date
2	Objid	Mandatory	Integer	AOANJRR procedure ID
3	Proc	Mandatory	Nvarchar	Type of procedure
4	Chckcmpt	Mandatory	Nvarchar	Use of component has been checked by Data Management (for internal use only)
5	Chckproc	Mandatory	Nvarchar	Category of procedure has been checked by Data Management (for internal use only)
6	Chckcmnt	Mandatory	Nvarchar	Use of cement has been checked by Data Management (for internal use only)
7	M_glenins	Mandatory	Nvarchar	Glenoid insert model
8	S_glenins	Mandatory	Nvarchar	Glenoid insert supplier
9	N_glenins	Mandatory	Integer	Glenoid insert catalogue number
10	R_glenins	Mandatory	Integer	Glenoid insert catalogue range
11	M_glenoid	Mandatory	Nvarchar	Glenoid model
12	S_glenoid	Mandatory	Nvarchar	Glenoid supplier
13	N_glenoid	Mandatory	Integer	Glenoid catalogue number
14	R_glenoid	Mandatory	Integer	Glenoid catalogue range
15	T_glenoid	Mandatory	Nvarchar	Type of glenoid
16	M_head	Mandatory	Nvarchar	Head model
17	S_head	Mandatory	Nvarchar	Head supplier
18	N_head	Mandatory	Integer	Head catalogue number

19	R_head	Mandatory	Integer	Head catalogue range
20	Od_head	Mandatory	Integer	Head size
21	T_head	Mandatory	Nvarchar	Type of head
22	M_humbody	Mandatory	Nvarchar	Humeral body model
23	S_humbody	Mandatory	Nvarchar	Humeral body supplier
24	N_humbody	Mandatory	Integer	Humeral body catalogue number
25	R_humbody	Mandatory	Integer	Humeral body catalogue range
26	T_humbody	Mandatory	Nvarchar	Type of humeral body
27	M_humcup	Mandatory	Nvarchar	Humeral cup model
28	S_humcup	Mandatory	Nvarchar	Humeral cup supplier
29	N_humcup	Mandatory	Integer	Humeral cup catalogue number
30	R_humcup	Mandatory	Integer	Humeral cup catalogue range
31	Od_humcup	Mandatory	Integer	Humeral cup size
32	M_humstem	Mandatory	Nvarchar	Humeral stem model
33	S_humstem	Mandatory	Nvarchar	Humeral stem supplier
34	N_humstem	Mandatory	Integer	Humeral stem catalogue model
35	R_humstem	Mandatory	Integer	Humeral stem catalogue range
36	T_humstem	Mandatory	Integer	Type of humeral stem
37	M_humneck	Mandatory	Nvarchar	Humeral neck model
38	S_humneck	Mandatory	Nvarchar	Humeral neck supplier
39	N_humneck	Mandatory	Integer	Humeral neck catalogue number
40	R_humneck	Mandatory	Integer	Humeral neck catalogue range
41	M_humcollar	Mandatory	Nvarchar	Humeral collar model
42	S_humcollar	Mandatory	Nvarchar	Humeral collar supplier
43	R_humcollar	Mandatory	Integer	Humeral collar catalogue range
44	M_modstem	Mandatory	Nvarchar	Modular stem model
45	S_modstem	Mandatory	Nvarchar	Modular stem supplier
46	N_modstem	Mandatory	Integer	Modular stem catalogue number
47	R_modstem	Mandatory	Integer	Modular stem catalogue range

48	m_humspacer	Mandatory	Nvarchar	Humeral spacer model
49	s_humspacer	Mandatory	Nvarchar	Humeral spacer supplier
50	n_humspacer	Mandatory	Integer	Humeral spacer catalogue number
51	r_humspacer	Mandatory	Integer	Humeral spacer catalogue range
52	t_humspacer	Mandatory	Nvarchar	Type of humeral spacer
53	cf_glenoid	Mandatory	Integer	Surgical fixation of glenoid component
54	cf_humeral	Mandatory	Integer	Surgical fixation of humeral component
55	c_humeral	Mandatory	Integer	Recommended fixation of humeral component
56	c_glenoid	Mandatory	Integer	Recommended fixation of glenoid component
57	glentype	Mandatory	Nvarchar	Glenoid type
58	Design	Mandatory	Nvarchar	Design of the glenoid
59	Stemtype	Mandatory	Nvarchar	Type of stem used
60	m_glenpeg	Mandatory	Nvarchar	Glenoid peg model
61	s_glenpeg	Mandatory	Nvarchar	Glenoid peg supplier
62	n_glenpeg	Mandatory	Integer	Glenoid peg catalogue number
63	r_glenpeg	Mandatory	Integer	Glenoid peg catalogue range
64	Cement	Mandatory	Integer	Cement used in procedure
65	Cementf	Mandatory	Integer	Cemented used in procedure (incl. Hybrid Fixation)

---

## AOANJRR Elbow Components

---

### Identifying and definitional attributes

<i>Item type:</i>	Data set specifications
<i>Table name:</i>	<b>Comp_elbow</b>
<i>Description:</i>	Complete component information for all Elbow Replacement procedures

### Items in this Data Set Specifications

<i>Item</i>	<i>item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	Procdate	Mandatory	Date	Procedure date
2	Objid	Mandatory	Integer	AOANJRR procedure ID
3	Proc	Mandatory	Nvarchar	Type of procedure
4	Chckcmpt	Mandatory	Nvarchar	Use of component has been checked by Data Management (for internal use only)
5	Chckproc	Mandatory	Nvarchar	Category of procedure has been checked by Data Management (for internal use only)
6	chckcmnt	Mandatory	Nvarchar	Use of cement has been checked by Data Management (for internal use only)
7	m_humcomp	Mandatory	Nvarchar	Humeral component model
8	s_humcomp	Mandatory	Nvarchar	Humeral component supplier
9	n_humcomp	Mandatory	Integer	Humeral component catalogue number
10	r_humcomp	Mandatory	Integer	Humeral component catalogue range
11	t_humcomp	Mandatory	Nvarchar	Type of Humeral component
12	m_ulnacomp	Mandatory	Nvarchar	Ulna model
13	s_ulnacomp	Mandatory	Nvarchar	Ulna supplier
14	n_ulnacomp	Mandatory	Integer	Ulna catalogue number
15	r_ulnacomp	Mandatory	Integer	Ulna catalogue range
16	m_ulnacap	Mandatory	Nvarchar	Ulna cap model
17	s_ulnacap	Mandatory	Nvarchar	Ulna cap supplier
18	n_ulnacap	Mandatory	Integer	Ulna cap catalogue number

19	r_ulnacap	Mandatory	Integer	Ulna cap catalogue range
20	m_elbowpin	Mandatory	Nvarchar	Elbow pin model
21	s_elbowpin	Mandatory	Nvarchar	Elbow pin supplier
22	n_elbowpin	Mandatory	Integer	Elbow pin catalogue number
23	r_elbowpin	Mandatory	Integer	Elbow pin catalogue range
24	m_radhead	Mandatory	Nvarchar	Radial head model
25	s_radhead	Mandatory	Nvarchar	Radial head supplier
26	n_radhead	Mandatory	Integer	Radial head catalogue number
27	r_radhead	Mandatory	Integer	Radial head catalogue range
28	t_radhead	Mandatory	Nvarchar	Type of radial head
29	m_radneck	Mandatory	Nvarchar	Radial neck model
30	s_radneck	Mandatory	Nvarchar	Radial neck supplier
31	n_radneck	Mandatory	Integer	Radial neck catalogue number
32	r_radneck	Mandatory	Integer	Radial neck catalogue range
33	m_radstem	Mandatory	Nvarchar	Radial stem model
34	s_radstem	Mandatory	Nvarchar	Radial stem supplier
35	n_radstem	Mandatory	Integer	Radial stem catalogue number
36	r_radstem	Mandatory	Integer	Radial stem catalogue range
37	t_radstem	Mandatory	Integer	Type of Radial stem
38	m_radheadstem	Mandatory	Nvarchar	Radial head model
39	s_radheadstem	Mandatory	Nvarchar	Radial head supplier
40	n_radheadstem	Mandatory	Integer	Radial head catalogue number
41	r_radheadstem	Mandatory	Integer	Radial head catalogue range
42	t_radheadstem	Mandatory	Nvarchar	Type of radial head
43	m_totelbow	Mandatory	Nvarchar	Total elbow model
44	s_totelbow	Mandatory	Nvarchar	Total elbow supplier
45	n_totelbow	Mandatory	Integer	Total elbow catalogue number
46	r_totelbow	Mandatory	Integer	Total elbow catalogue range
47	cf_humeral	Mandatory	Integer	Surgical fixation of humeral component

48	cf_ulnar	Mandatory	Integer	Surgical fixation of ulnar component
49	c_ulnar	Mandatory	Integer	Recommended fixation of ulnar component
50	c_humeral	Mandatory	Integer	Recommended fixation of humeral component
51	t_ulnacomp	Mandatory	Nvarchar	Type of ulnar component



---

## AOANJRR Wrist Components

---

### Identifying and definitional attributes

<i>Item type:</i>	Data set specifications
<i>Table name:</i>	<b>Comp_wrist</b>
<i>Description:</i>	Complete component information for all Wrist Replacement procedures

### Items in this Data Set Specifications

<i>Item</i>	<i>Item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	procdate	Mandatory	Date	Date of procedure
2	objid	Mandatory	Integer	AOANJRR procedure ID
3	proc	Mandatory	Nvarchar	Type of procedure
4	chckcmpt	Mandatory	Nvarchar	Use of component has been checked by Data Management (for internal use only)
5	chckproc	Mandatory	Nvarchar	Category of procedure has been checked by Data Management (for internal use only)
6	chckcmnt	Mandatory	Nvarchar	Use of cement has been checked by Data Management (for internal use only)
7	m_carpcomp	Mandatory	Nvarchar	Carpal component model
8	s_carpcomp	Mandatory	Nvarchar	Carpal component supplier
9	n_carpcomp	Mandatory	Integer	Carpal component catalogue number
10	r_carpcomp	Mandatory	Integer	Carpal component catalogue range
11	m_carpspacer	Mandatory	Nvarchar	Carpal spacer model
12	s_carpspacer	Mandatory	Nvarchar	Carpal spacer supplier
13	n_carpspacer	Mandatory	Integer	Carpal spacer catalogue number
14	r_carpspacer	Mandatory	Integer	Carpal spacer catalogue range
15	m_carphead	Mandatory	Nvarchar	Carpal head model
16	s_carphead	Mandatory	Nvarchar	Carpal head supplier
17	n_carphead	Mandatory	Integer	Carpal head catalogue number
18	r_carphead	Mandatory	Integer	Carpal head catalogue range

19	m_radcup	Mandatory	Nvarchar	Radial cup model
20	s_radcup	Mandatory	Nvarchar	Radial cup supplier
22	n_radcup	Mandatory	Integer	Radial cup catalogue number
22	r_radcup	Mandatory	Integer	Radial cup catalogue range
23	m_radcomp	Mandatory	Nvarchar	Radial component model
24	s_radcomp	Mandatory	Nvarchar	Radial component supplier
25	n_radcomp	Mandatory	Integer	Radial component catalogue number
26	r_radcomp	Mandatory	Integer	Radial component catalogue range
27	m_ulnahead	Mandatory	Nvarchar	Ulna head model
28	s_ulnahead	Mandatory	Nvarchar	Ulna head supplier
29	n_ulnahead	Mandatory	Integer	Ulna head catalogue number
30	r_ulnahead	Mandatory	Integer	Ulna head catalogue range
31	t_ulnahead	Mandatory	Nvarchar	Type of Ulna head
32	m_ulnastem	Mandatory	Nvarchar	Ulna stem model
33	s_ulnastem	Mandatory	Nvarchar	Ulna stem supplier
34	n_ulnastem	Mandatory	Integer	Ulna stem catalogue number
35	r_ulnastem	Mandatory	Integer	Ulna stem catalogue range
36	t_ulnastem	Mandatory	Nvarchar	Type of Ulna stem
37	m_luncomp	Mandatory	Nvarchar	Lunate component model
38	s_luncomp	Mandatory	Nvarchar	Lunate component supplier
39	n_luncomp	Mandatory	Integer	Lunate component catalogue number
40	r_luncomp	Mandatory	Integer	Lunate component catalogue range
41	m_sigtchplte	Mandatory	Nvarchar	Signoid notch plate model
42	s_sigtchplte	Mandatory	Nvarchar	Signoid notch plate model
43	n_sigtchplte	Mandatory	Integer	Signoid notch plate catalogue number
44	r_sigtchplte	Mandatory	Integer	Signoid notch plate catalogue range
45	t_sigtchplte	Mandatory	Nvarchar	Signoid notch plate type
46	m_carpintsp	Mandatory	Nvarchar	Carpal interspacer model
47	s_carpintsp	Mandatory	Nvarchar	Carpal interspacer supplier

48	n_carpintsp	Mandatory	Integer	Carpal interspacer catalogue number
49	r_carpintsp	Mandatory	Integer	Carpal interspacer catalogue range
50	cf_radial	Mandatory	Integer	Surgical fixation of radial component
51	cf_carpal	Mandatory	Integer	Surgical fixation of carpal component
52	c_carpal	Mandatory	Integer	Recommended fixation of carpal component
53	c_radial	Mandatory	Integer	Recommended fixation of radial component

---

## AOANJRR Ankle Components

---

### Identifying and definitional attributes

<i>Item type:</i>	Data set specifications
<i>Table name:</i>	<b>Comp_ankle</b>
<i>Description:</i>	Complete component information for all Ankle Replacement procedures

### Items in this Data Set Specifications

<i>Item</i>	<i>Item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	procdate	Mandatory	Date	Date of procedure
2	objid	Mandatory	Integer	AOANJRR procedure ID
3	proc	Mandatory	Nvarchar	Type of procedure
4	chckcmpt	Mandatory	Nvarchar	Use of component has been checked by Data Management (for internal use only)
5	chckproc	Mandatory	Nvarchar	Category of procedure has been checked by Data Management (for internal use only)
6	chckcmnt	Mandatory	Nvarchar	Use of cement has been checked by Data Management (for internal use only)
7	m_insert	Mandatory	Nvarchar	Insert model
8	s_insert	Mandatory	Nvarchar	Insert supplier
9	n_insert	Mandatory	Integer	Insert catalogue number
10	r_insert	Mandatory	Integer	Insert catalogue range
11	m_tray	Mandatory	Nvarchar	Tibial tray model
12	s_tray	Mandatory	Nvarchar	Tibial tray supplier
13	n_tray	Mandatory	Integer	Tibial tray catalogue number
14	r_tray	Mandatory	Integer	Tibial tray catalogue range
15	m_talar	Mandatory	Nvarchar	Talar component model
16	s_talar	Mandatory	Nvarchar	Talar component supplier
17	n_talar	Mandatory	Integer	Talar component catalogue number
18	r_talar	Mandatory	Integer	Talar component catalogue range

19	m_tibstem	Mandatory	Nvarchar	Tibial stem model
20	s_tibstem	Mandatory	Nvarchar	Tibial stem supplier
21	n_tibstem	Mandatory	Integer	Tibial stem catalogue number
22	r_tibstem	Mandatory	Integer	Tibial stem catalogue range
23	m_talstem	Mandatory	Nvarchar	Talar stem model
24	s_talstem	Mandatory	Nvarchar	Talar stem supplier
25	n_talstem	Mandatory	Integer	Talar stem catalogue number
26	r_talstem	Mandatory	Integer	Talar stem catalogue range
27	cf_tibia	Mandatory	Integer	Surgical fixation of tibial component
28	cf_talus	Mandatory	Integer	Surgical fixation of talus component
29	c_talus	Mandatory	Integer	Recommended fixation of talus component
30	c_tibia	Mandatory	Integer	Recommended fixation of tibial component

---

## AOANJRR Spine Components

---

### Identifying and definitional attributes

<i>Item type:</i>	Data set specifications
<i>Table name:</i>	<b>Comp_spine</b>
<i>Description:</i>	Complete component information for all Spine Replacement procedures

### Items in this Data Set Specifications

<i>Item</i>	<i>Item</i>	<i>Obligation</i>	<i>Data Type</i>	<i>Variable label</i>
1	procddate	Mandatory	Date	Date of procedure
2	objid	Mandatory	Integer	AOANJRR procedure ID
3	proc	Mandatory	Nvarchar	Type of procedure
4	chckcmpt	Mandatory	Nvarchar	Use of component has been checked by Data Management (for internal use only)
5	chckproc	Mandatory	Nvarchar	Category of procedure has been checked by Data Management (for internal use only)
6	chckcmnt	Mandatory	Nvarchar	Use of cement has been checked by Data Management (for internal use only)
7	m_disc	Mandatory	Nvarchar	Spinal disc model
8	s_disc	Mandatory	Nvarchar	Spinal disc supplier
9	n_disc	Mandatory	Integer	Spinal disc catalogue number
10	r_disc	Mandatory	Integer	Spinal disc catalogue range
11	t_disc	Mandatory	Nvarchar	Type of spinal disc
12	m_spdinsert	Mandatory	Nvarchar	Spinal disc insert model
13	s_spdinsert	Mandatory	Nvarchar	Spinal disc insert supplier
14	n_spdinsert	Mandatory	Integer	Spinal disc insert catalogue number
15	r_spdinsert	Mandatory	Integer	Spinal disc insert catalogue range
16	m_insert	Mandatory	Nvarchar	Insert model
17	s_insert	Mandatory	Nvarchar	Insert supplier
18	n_insert	Mandatory	Integer	Insert catalogue number

19	r_insert	Mandatory	Integer	Insert catalogue range
20	m_endplate1	Mandatory	Nvarchar	Endplate model
21	s_endplate1	Mandatory	Nvarchar	Endplate supplier
22	n_endplate1	Mandatory	Integer	Endplate catalogue number
23	r_endplate1	Mandatory	Integer	Endplate catalogue range
24	t_endplate1	Mandatory	Integer	Type of endplate
31	m_btrough	Mandatory	Nvarchar	Ball trough model
32	s_btrough	Mandatory	Nvarchar	Ball trough supplier
33	n_btrough	Mandatory	Integer	Ball trough catalogue number
34	r_btrough	Mandatory	Integer	Ball trough catalogue range