The Australian Breast Device Registry (ABDR) is a clinical quality registry for breast devices - implants, tissue expanders and acellular dermal matrices (ADM)/mesh. The ABDR aims to identify and report possible trends and complications associated with breast device surgery; track the long-term safety and performance of breast devices; identify best surgical practice; and optimal patient health outcomes. This report does not represent national coverage.

Recruitment 2012 - 2017

Patient registration growth
25,386 patients, opt out 0.99%

430 surgeons
242 sites

Location of participating surgeons

Patient cohort 2012-2017

Patient procedure first recorded in ABDR (n=25,386)

Mean age* at first procedure captured in ABDR

- Cosmetic (74.90%)
- Post Cancer Reconstruction (14.95%)
- Risk Reducing Reconstruction (3.82%)
- Not stated (3.80%)
- Developmental Deformity (2.53%)

- Developmental Deformity
- Cosmetic Augmentation
- Risk Reducing Reconstruction
- Post Cancer Reconstruction

Years

- 29 yrs
- 34 yrs
- 43 yrs
- 52 yrs
Characteristics of all breast implants

**Implant shell** (n=47,850)
- 6% polyurethane**
- 19% smooth
- 75% textured

**Implant shape** (n=47,850)
- 40% anatomical**
- 60% round

**Implant fill** (n=47,850)
- 1% saline^**
- 99% silicone

*Primary implant procedures*

‘Primary’ refers to when the initial insertion of the device was captured by the ABDR

Procedures by primary implant breasts
(n=37,583* individual breasts)
- 36,550 (97.3%) Implant inserted & in situ (no revision recorded)
- 956 (2.5%) Insertion & 1 revision
- 53 (0.1%) Insertion & 2 revisions
- 13 (<0.1%) Insertion & 3 revisions

*Includes 10 planned replacement of permanent expanders and 1 case of breast implant insertion & 4 revisions

Complication revision incidence rates at years since primary implant*
(n=37,563 primary implants with 611 breasts revised due to complication)

Issues identified at revision of primary implant A (n=1,105 revisions of primary breast implants)

Intraoperative techniques (n=28,006* procedures)

*Includes data from pilot data collection form for both primary and legacy implant procedures

Legacy implant procedures

From 2012 to 2017, there were 9578 breasts with breast implant revisions captured by the ABDR with no record of the initial [primary] insertion of the implanted device. Reasons for this may include that the initial [primary] procedure occurred prior to commencement of the ABDR, before the site joined the registry or overseas. The starting point of the breast implant journey for this cohort is therefore unknown, and these breasts are categorised as legacy implant breasts. From this cohort of legacy implant breasts, 95% had one implant revision procedure captured by the ABDR, and 5% had multiple implant revisions captured. The entire ABDR 2017 report is available at www.abdr.org.au/publications/