

Tissue Banking Stats

SATS SATiBA Conference 2019

6 September 2019

Sandra Venter

Ordinary Members

- ▶ Androcryos
- ▶ Bone SA
- ▶ Centre for Tissue Engineering, Tshwane University of Technology
- ▶ Cryo-Save
- ▶ Eye bank foundation of South Africa, Cape Town
- ▶ Gauteng Cornea and Eye bank, Johannesburg
- ▶ Homograft bank, University of the Free State
- ▶ KZN Cornea & Eye Association, Durban
- ▶ Next Bio-Sciences
- ▶ South African Bone Marrow Registry
- ▶ South African National Blood Service

Associate Members

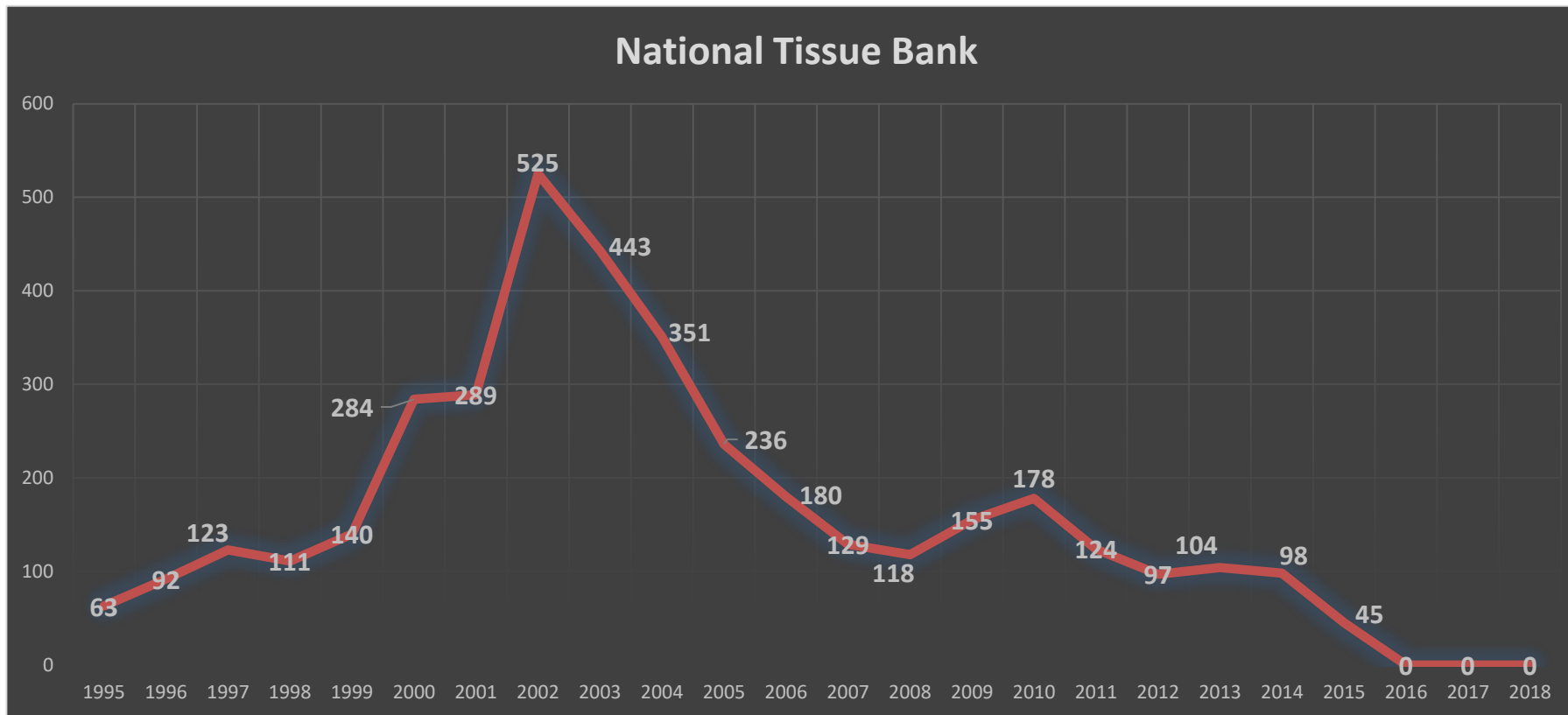
- ▶ Nurture
- ▶ Organ Donor Foundation
- ▶ South African Burn Care Trust
- ▶ Vitalab
- ▶ Wijnland Fertility

Deceased donor banks

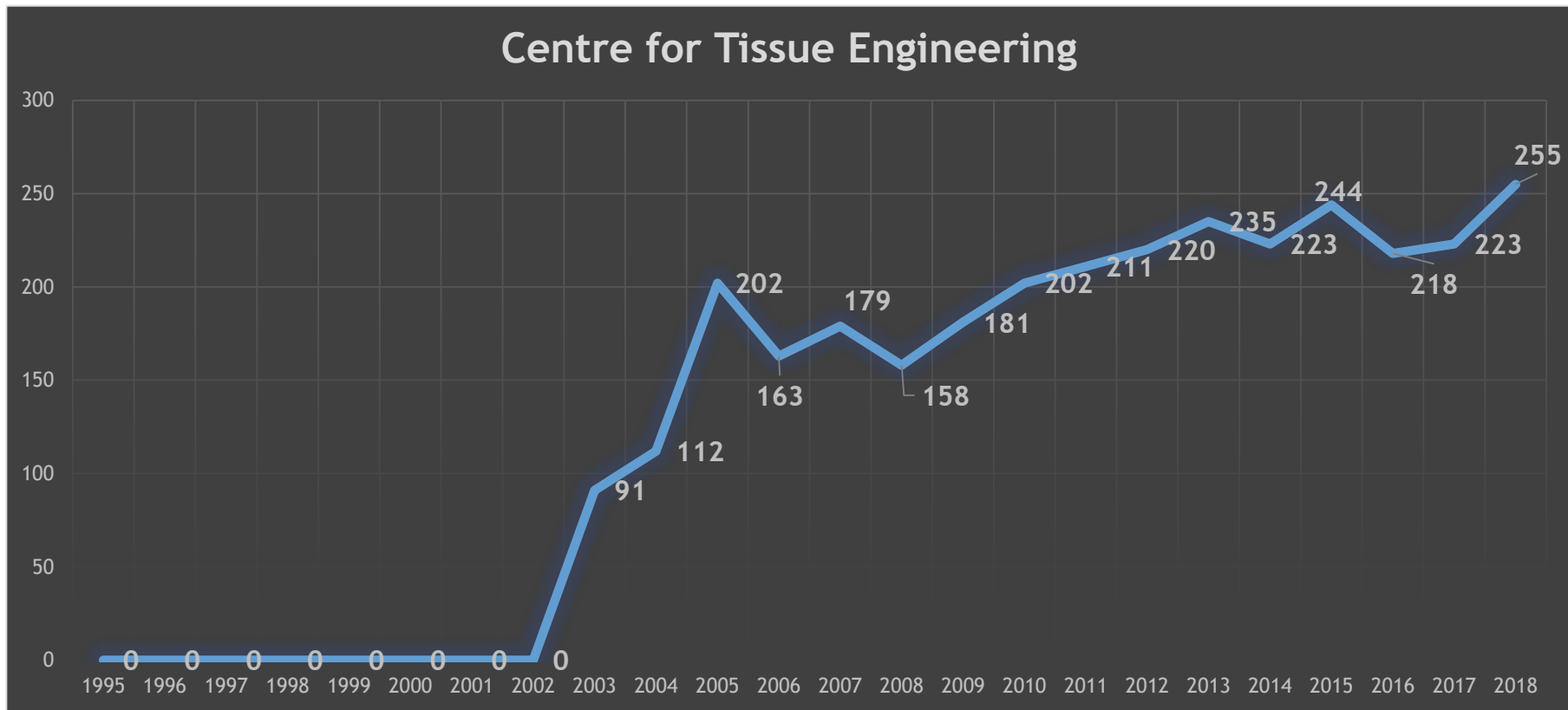
▶ MEMBERSHIP OF DECEASED DONOR TISSUE BANKS:

- ▶ 3 Cornea & Eye Banks
 - ▶ Johannesburg
 - ▶ Cape Town
 - ▶ Durban
- ▶ 1 Heart valve Bank
 - ▶ Bloemfontein
- ▶ 1 Multi Tissue Bank
 - ▶ Pretoria - Bone, Skin & Cornea

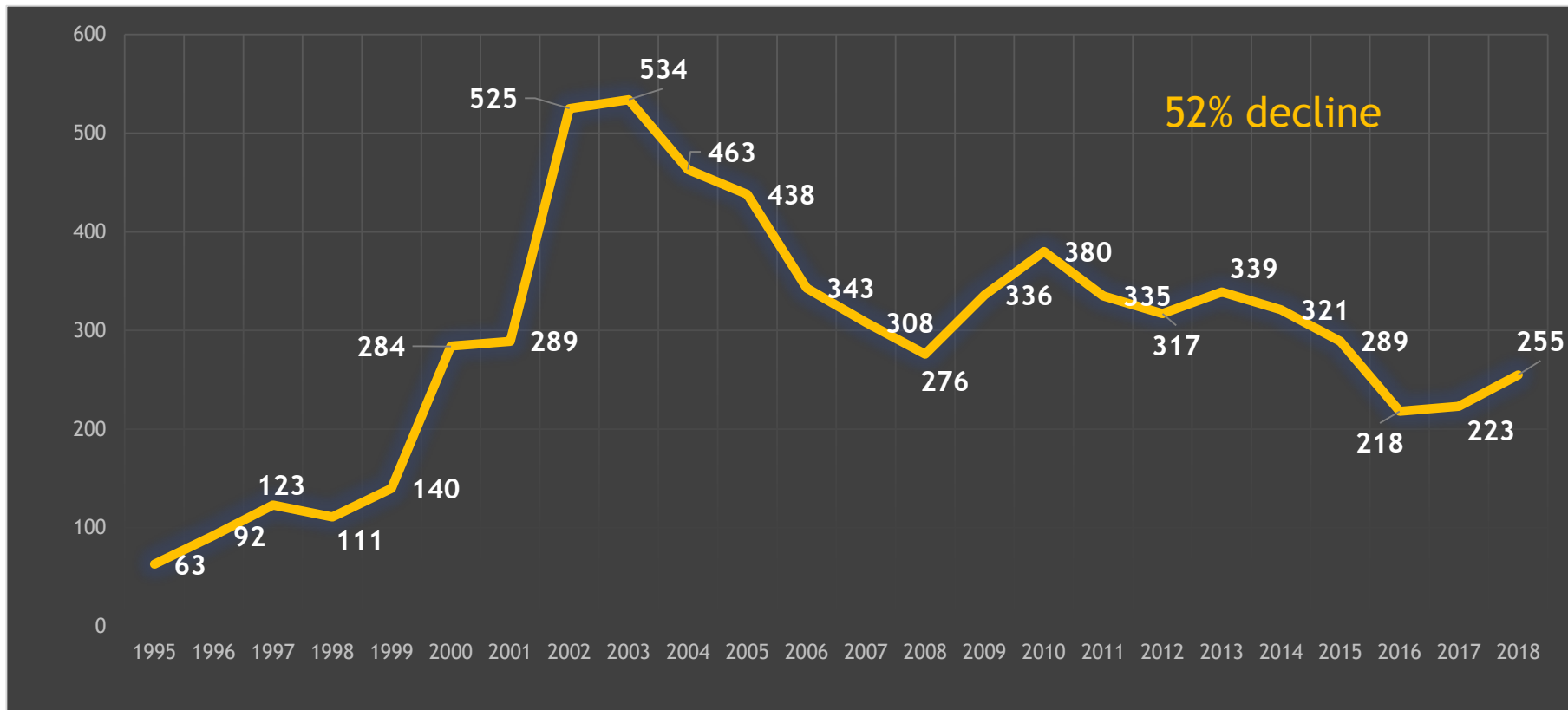
Bone tissue donors



Bone tissue donors



Bone tissue donors

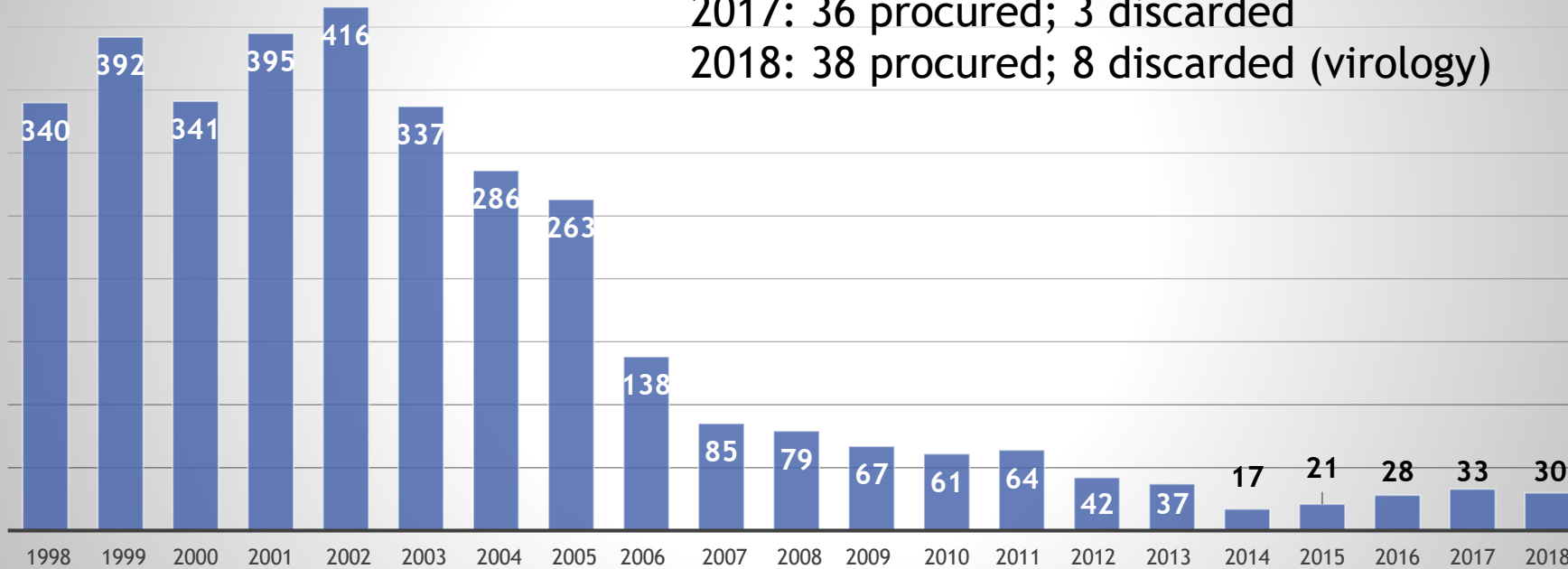


Cornea transplants

Cape Town

2017: 36 procured; 3 discarded

2018: 38 procured; 8 discarded (virology)

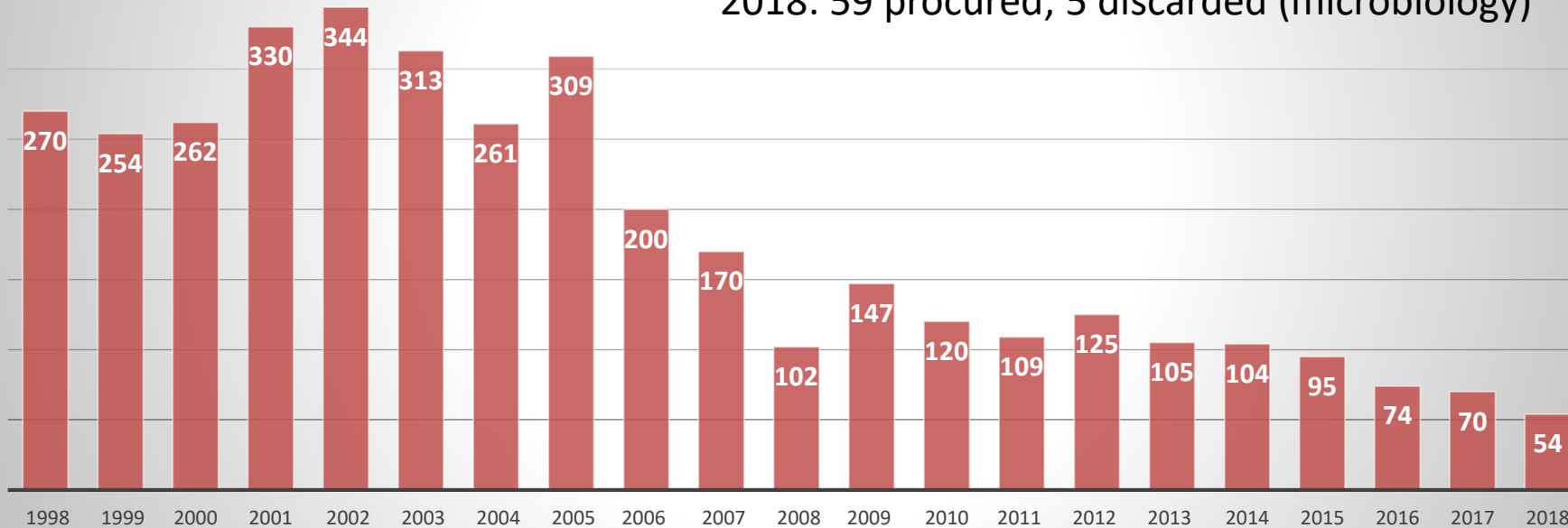


Cornea transplants

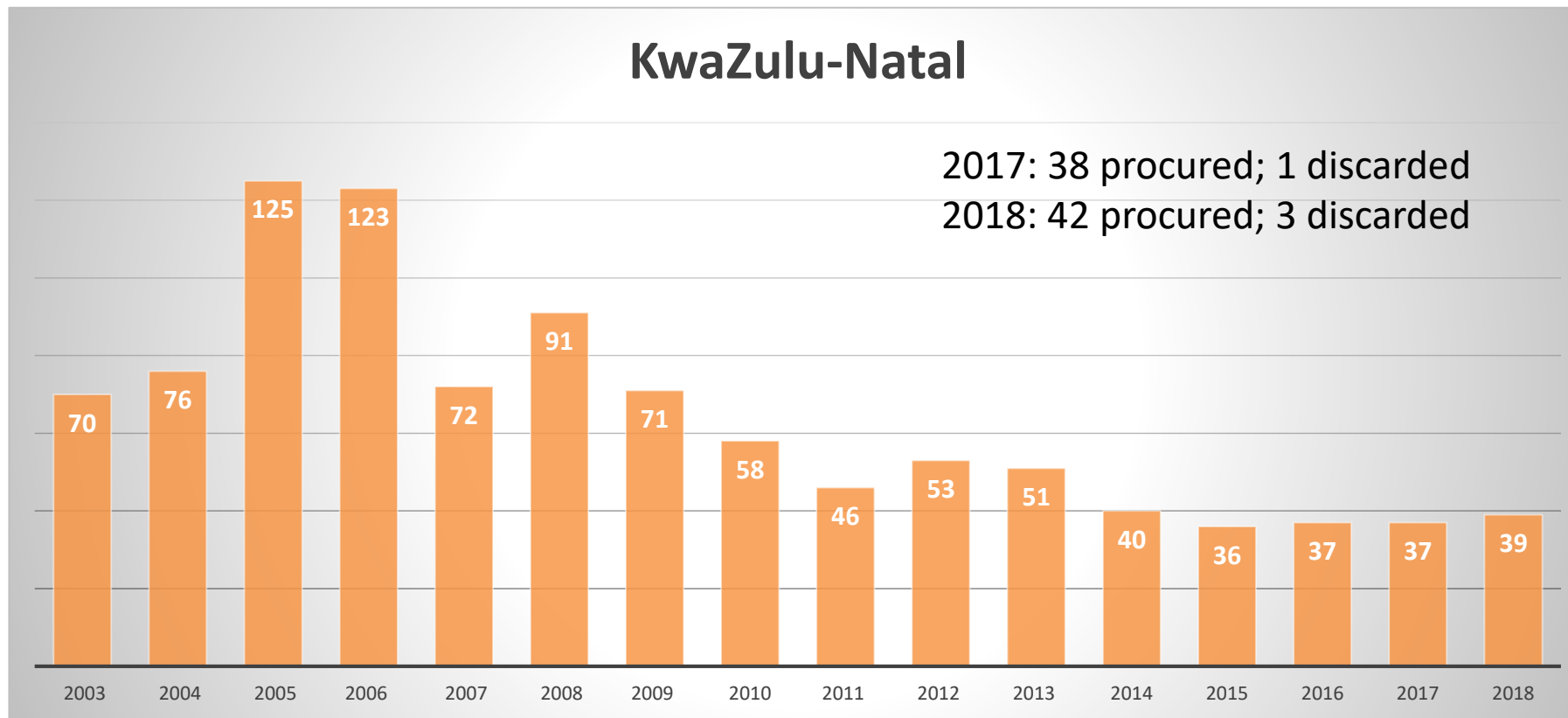
Gauteng

2017: 76 procured; 6 discarded

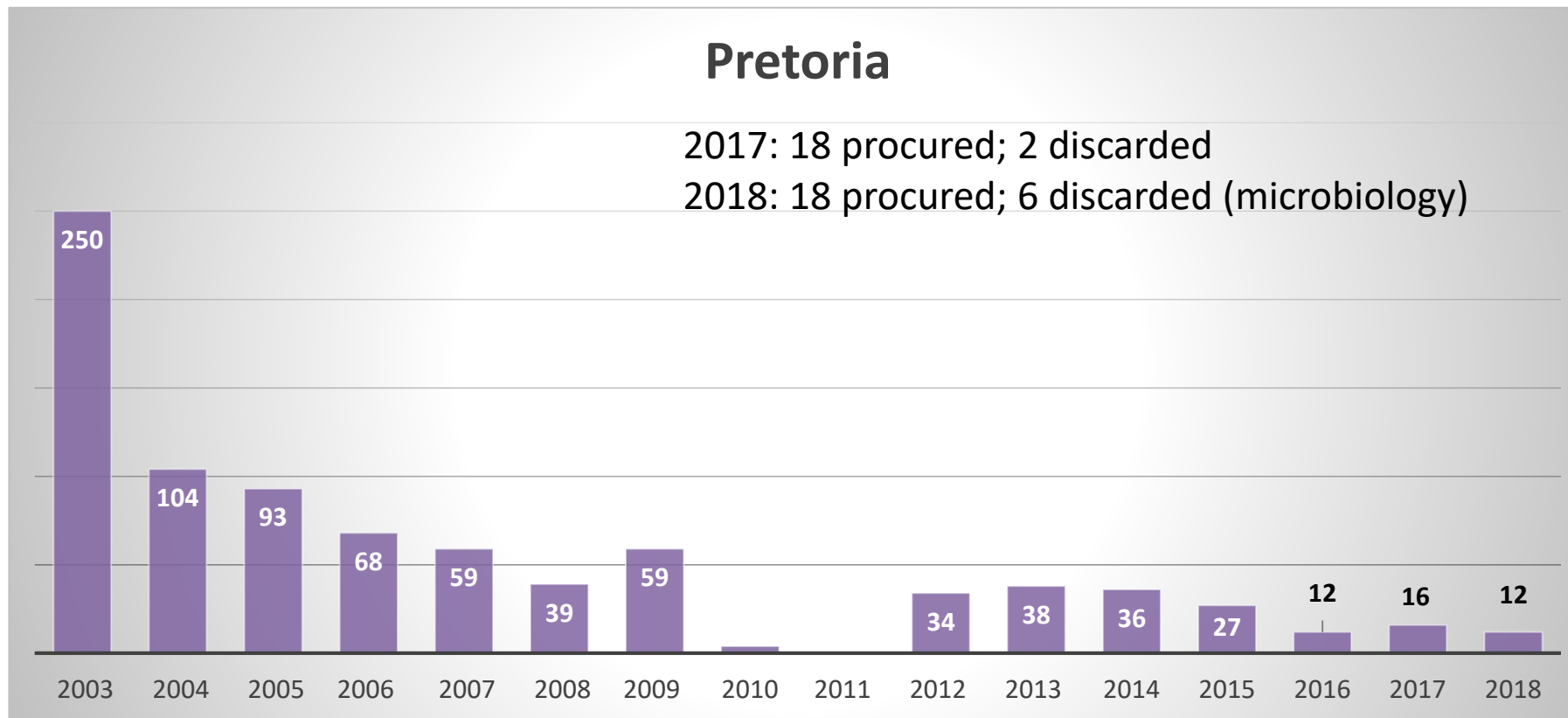
2018: 59 procured; 5 discarded (microbiology)



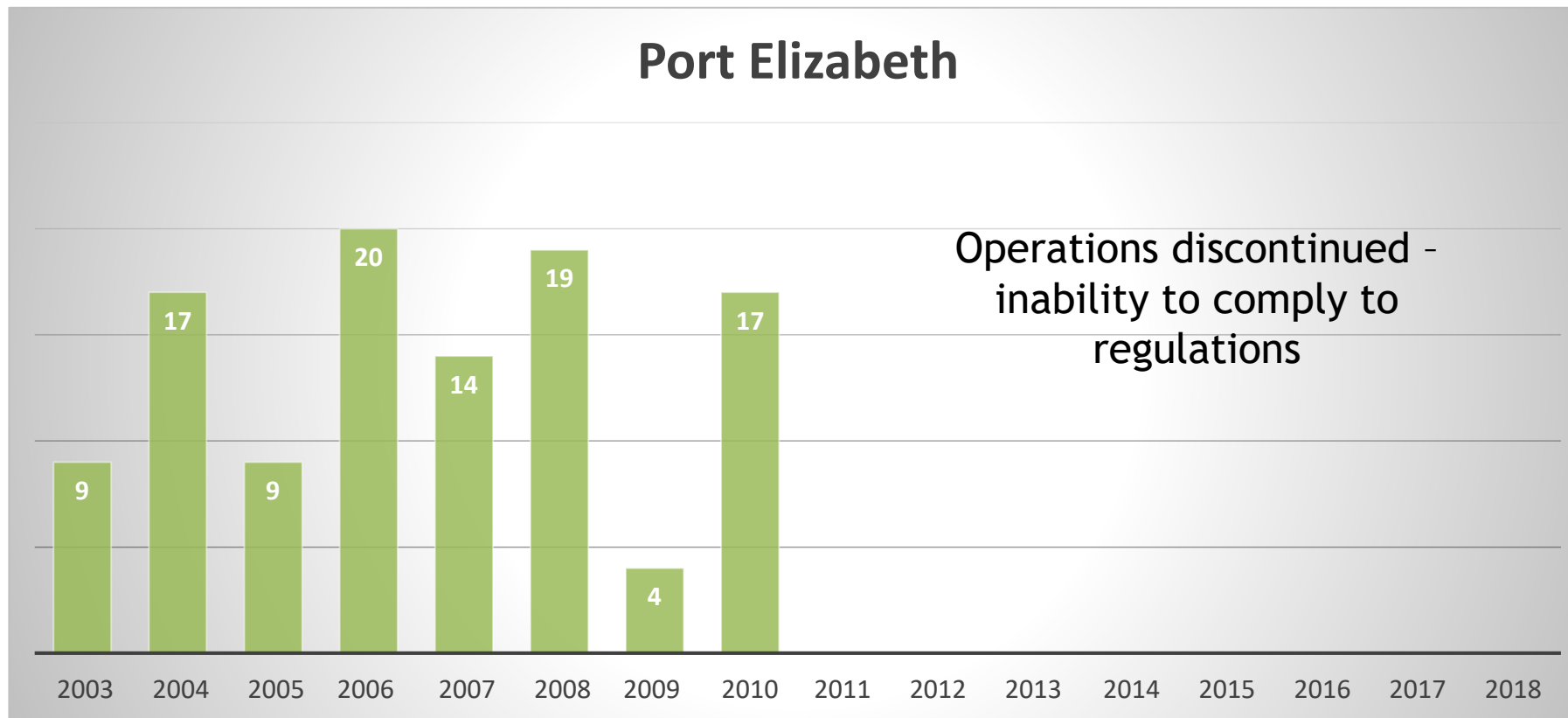
Cornea transplants



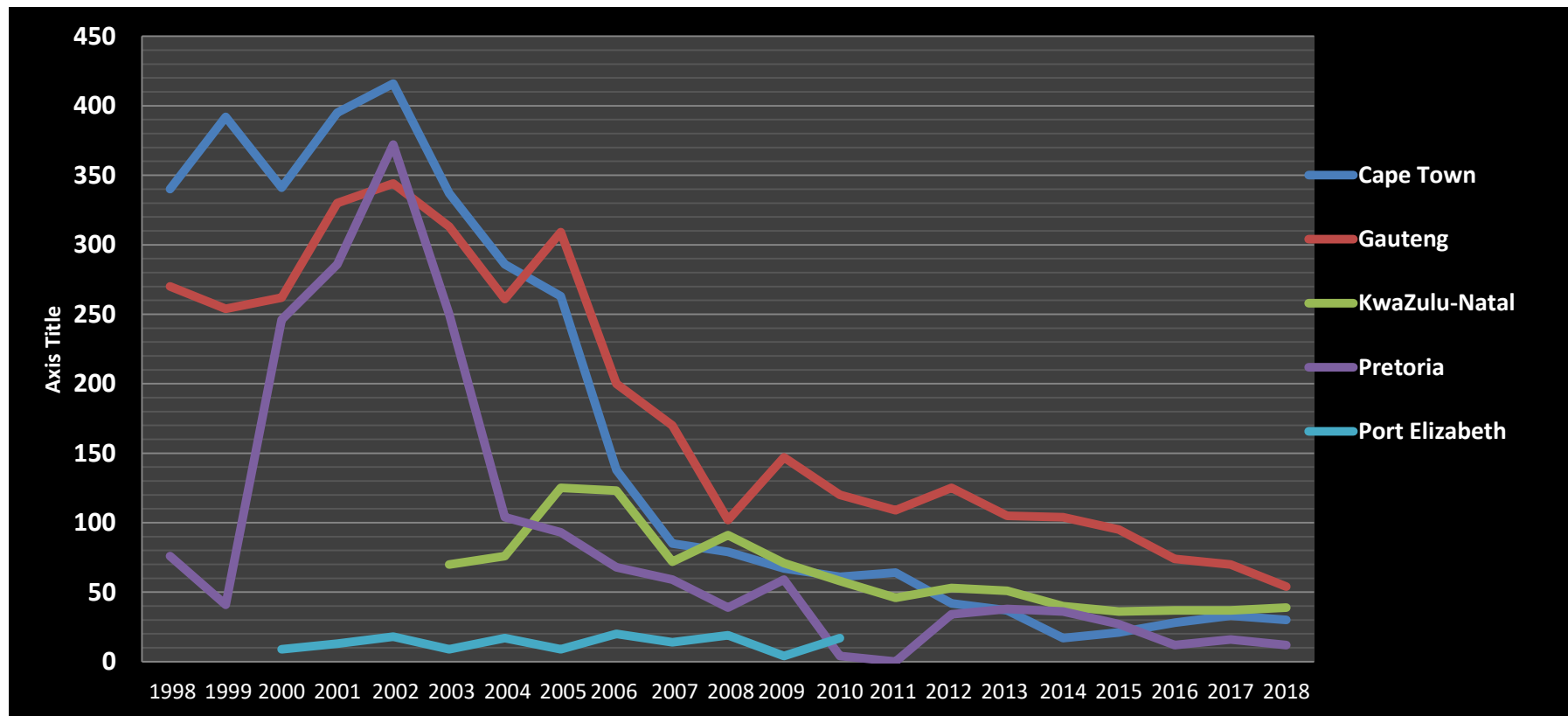
Cornea transplants



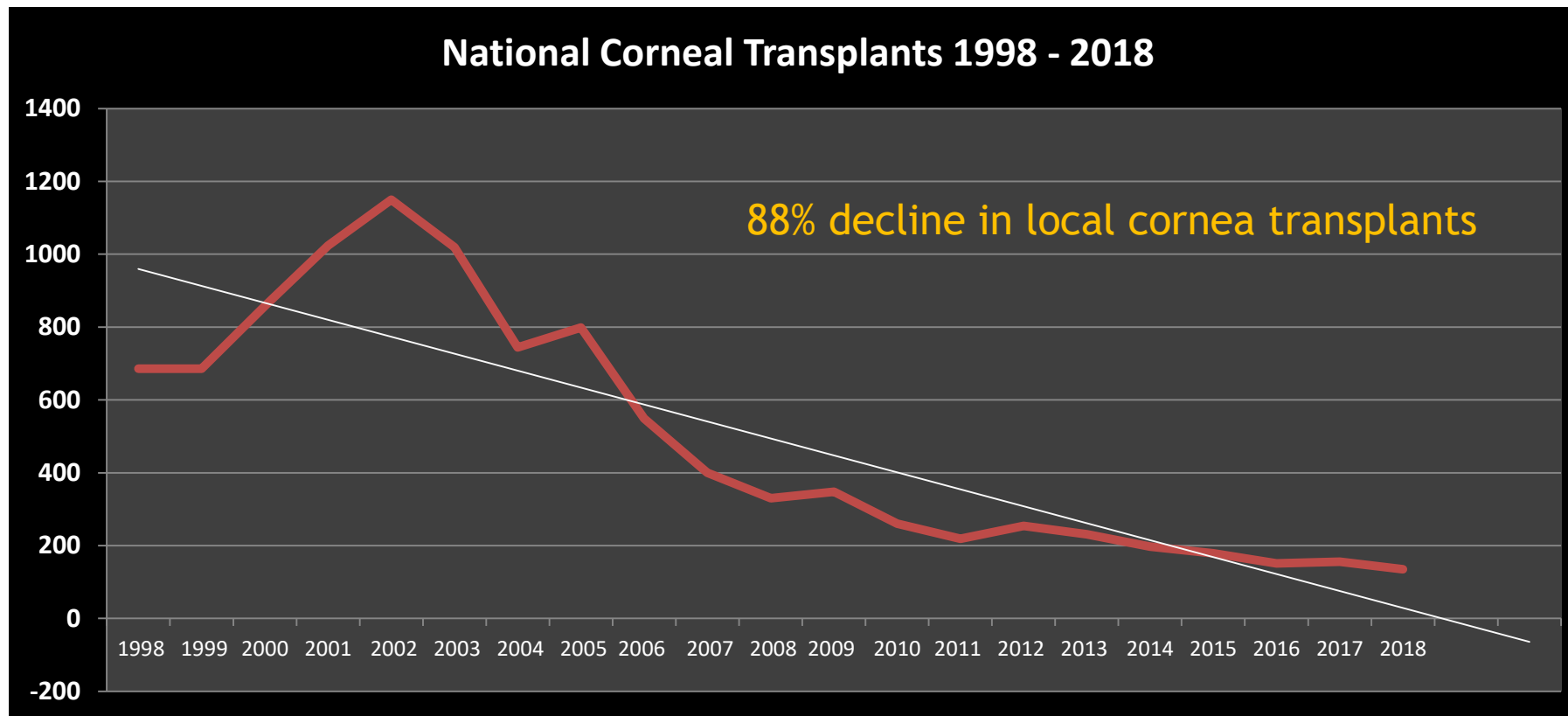
Cornea transplants



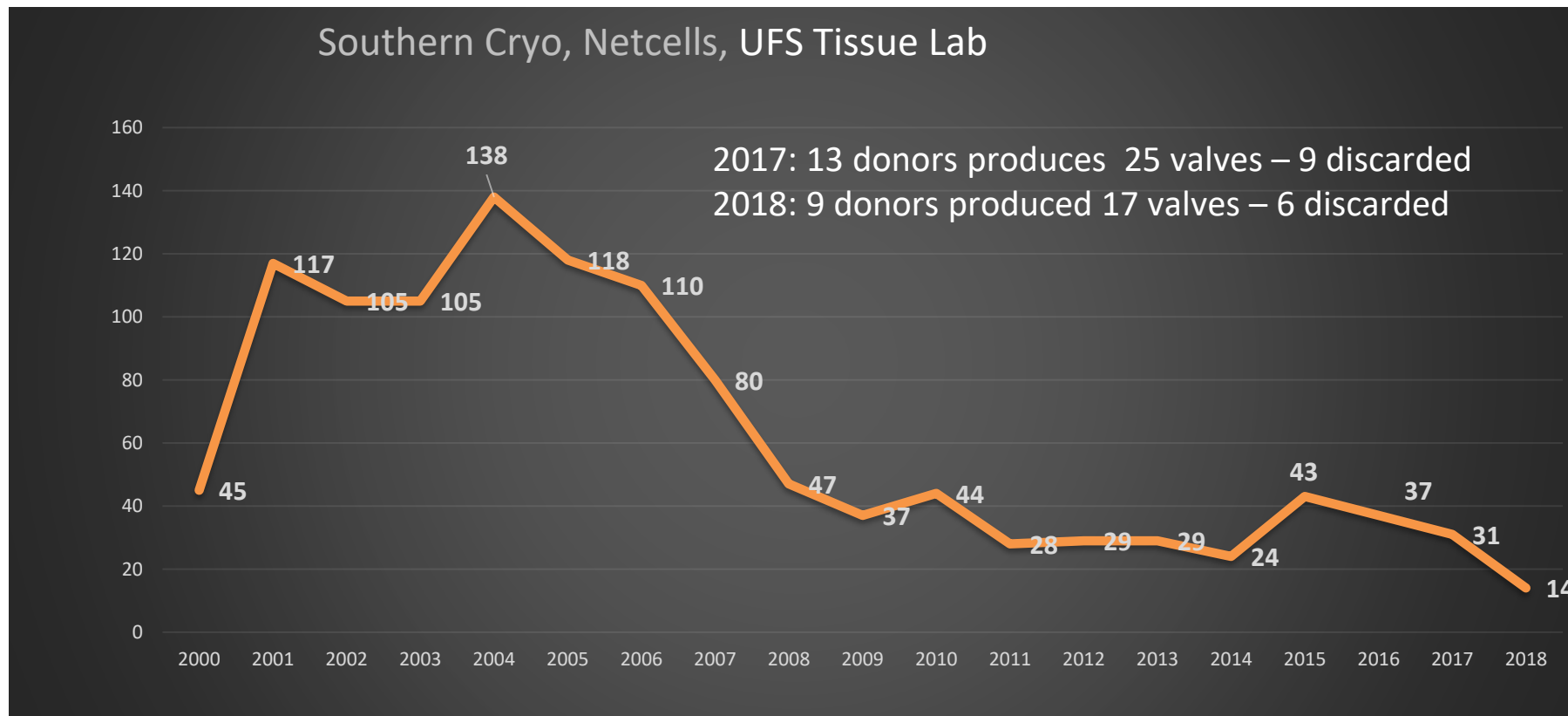
Cornea transplants



Cornea transplants



Cardio Vascular Transplants



Causes of decline

- ▶ Negative publicity in 2005 in an exposé by Sunday Times
- ▶ The changeover of Government mortuaries, traditionally run by the SA Police service, to the Forensic Pathology Services under the Department of Health.
- ▶ The stigma around HIV & Aids caused a shift in society, with the result that not only did patient medical records become more confidential, but the sharing of every aspect of personal information has become taboo.
- ▶ Questions related to the unethical procurement of corneal tissue in early 2000's

Contributing factors

- ▶ Although greatly improved in recent years, there is still insufficient public awareness & education in all sectors of society, including the medical fraternity
- ▶ Lack of a formal death-referral system which could support and facilitate the process
- ▶ Insufficient legislation and government support
- ▶ Insufficient number of tissue coordinators due to financial and other constraints

Contributing factors

- ▶ Influence of the pending Protection of Personal Information Act
 - ▶ Reluctance of private and state hospital groups to actively support the cause of tissue donation
 - ▶ Reluctance of the funeral industry to share details of their clients with tissue coordinators
 - ▶ Refusal to share information by most Forensic Pathology service facilities
- ▶ Obstacles in relation to African traditions, culture and belief systems
- ▶ Stagnation of the industry with a lack of new entrants and young and/or new expertise

Lack of access to tissue

- ▶ Identified as SATiBA's single most critical challenge
- ▶ Shortage of tissue threatens the continued existence of eye & tissue banks
- ▶ Since August 2015 over a period of 3 years the deceased donor tissue banks jointly contributed nearly R3,4 mil. towards public education through the ODF. Further commitments made for next 12 months
 - ▶ Perceptions & public image have improved
 - ▶ Conversion rates improved
 - ▶ Status of tissue donation improved
- ▶ SATiBA identified specific projects to increase donation - WC & KZN
- ▶ Need to focus on development of effective referral systems of potential donors
- ▶ Move towards improved collaboration/integration with organ stakeholders

Thank you

SATiBA membership is voluntary - our thanks to banks who see the value of collaboration for continued support and participation