

Effective vaccine strategies

In over 65

PEOPLE AGED 65 YEARS AND OVER

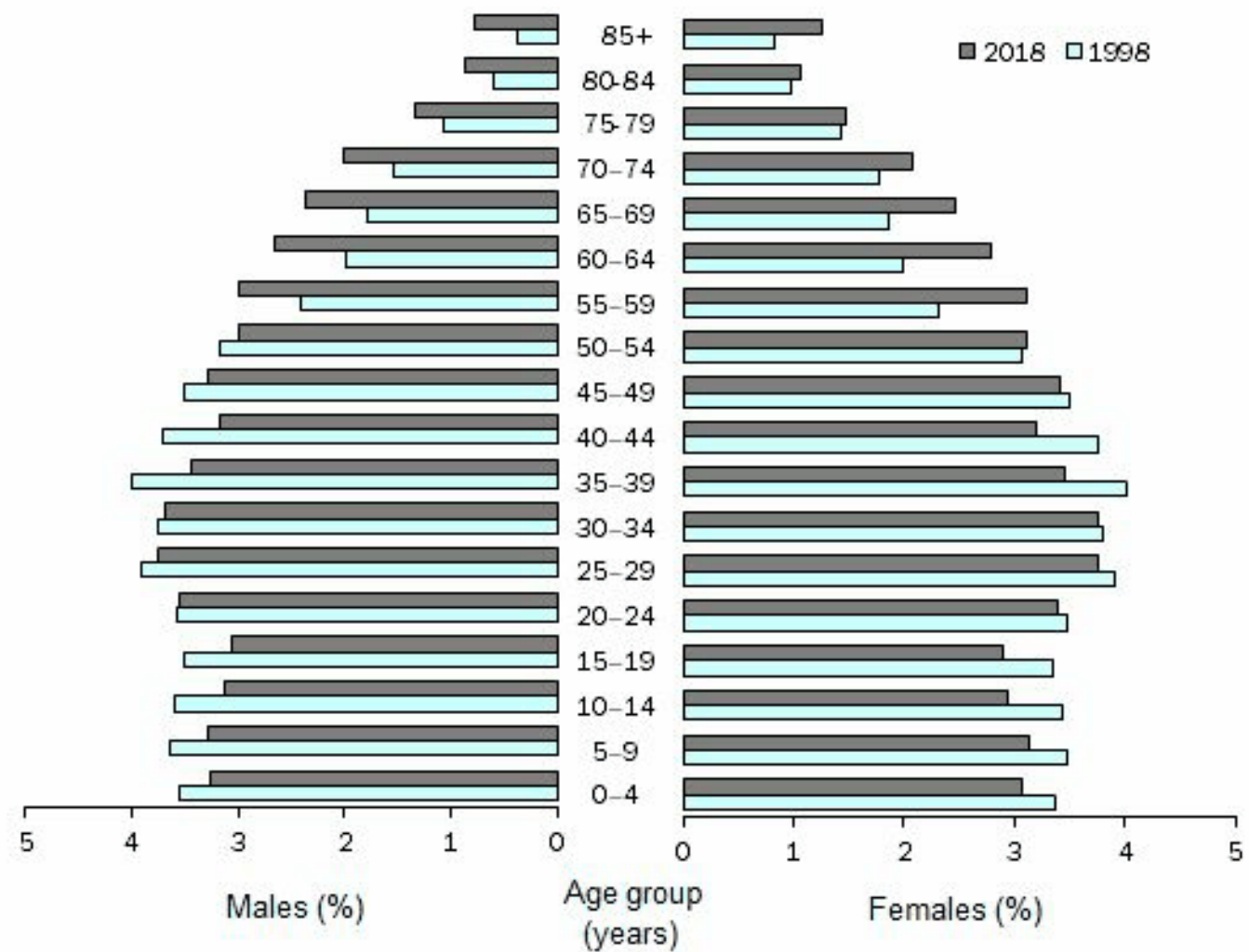
Over the 20 years between 1998 and 2018, the proportion of the population aged 65 years and over increased from 12.2% to **15.7%** with Tasmania home to the country's oldest population.

Projected to increase more rapidly over the next decade, as further cohorts of baby boomers (those born between the years 1946 and 1964) turn 65. Currently, only seven of these cohorts by birth years have reached age 65 and there are 12 remaining.

"There are several drivers for Australia's ageing population

- an increase in life expectancy.
- low fertility rates which have resulted in fewer children.

Above age 70, the sex ratio reduces markedly due to the impact of higher male mortality in this population group.



- Immune response less
- Waning immunity with age

- Different vaccines?

- Live longer,
- live healthier,
- live more comfortable life

So who are these people over 65?

People born before 1954

What has been their life experience?

What has immunization been like for them?

66 PARK AV

ROSSLYN PARK

UNTU 1/52

Scaf. 2-3 days Rt Ear

25.7.24

PRIVATE / FUND.

O13 Rt Otitis Media

Rx

Caps - Penicillin

Oral Drops

Valledium 8ml 4hr

503

On Allegra
daily 208

1/12

Rt Ear (rd de)

Smth

Cal admin gm salt

10/8 Mithenough

For Smear

THE UNIVERSITY OF ADELAIDE
ANTI-CANCER FOUNDATION AND DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY
CYTOLOGY LABORATORY MATERNITY SECTION, QUEEN ELIZABETH HOSPITAL, WOODVILLE, S.A.
REPORT ON CYTOLOGICAL EXAMINATION

Name and Address:

DRS. HASTE, BAILEY, WALKER
& BOUNDY,
255 Magill Road,
MAYLANDS. S.A.

Patient's Surname:

STOCK

Age:

43

First Names:

Mrs. Murray (Stella)

Date Rec'd.:

15/11/67

311(b)

Fee:

\$4.20

Report No.:

P/88707

Date:

16/11/67

SMEAR IS NEGATIVE FOR MALIGNANT CELLS

J. A. Kirkland

Pathologist

xx 1000

28/6/08 Count ()
OTZ

PV. NAD cr

night cramps - legs -

BP : 130/70

Rif Unshoil
20g 1105
30 R/M or

? Quinine taken

Recurrence of Pyelitis

6/8/08

2 1/2 weeks ago

Unshoil 3x

Muni/No
105

4-5 attacks of Pyelitis
etc this year.

At Eranah

Dates Extension
fx 16

13/11/68 Stelz ears

Repeat Kneading

filum c
chest

Ointn Extrema
Dr Cozza Vaccin

Piles - out + tender

Chamelin Menedyl

Schirpocet
suppos.

1 thrombosed Ext Pile

Pin nails

1.69

No sore throat 6/52
of granular pharyngitis -
glands not enlarged
Barbit R Mysteelin v. -
with Ammon & Ipecac

Repeat Knaasomb

Oleum Extrema
Per Coryza Vaccini

Chamber Mededyl

Feuden

Schierproct
suppos.

und Ext

Pile

↑

Born in the 1950's

- Tennis was very important (Sedgman, McGregor)
- Petrol and Butter rationing end (World war II)
- Troops sent to Korea
- Robert Menzies Prime Minister
- Last woman hanged in Australia
- ANZUS Treaty signed (Australia/New Zealand/US)
- Lang Hancock discovers World largest iron ore deposit (Pilbara)

Born in the 50s...Influencers?

- Pauline Hansen
- Peter Beattie
- Pru Gower
- Peter Garrett
- Noni Hazelhurst
- Malcolm Turnbull
- Gai Waterhouse

- Do you tell Malcom he is old and past it like his immune system?
- Is Pauline going to believe that a vaccine works?
- Will Gai Waterhouse remember her vaccine program as a child?

Gai Waterhouse

- Born in Sydney and went to UNSW. Actor (The Young Doctors, Dr Who)
 - 4 vaccines available in Australia. DTP and Smallpox
 - DTP a single shot, 5 shots by two and not more than one shot at a time
- 1977 Worked with Tommy Smith
 - Vaccination program recently introduced Measles and Rubella (1981-3 Mumps)
 - Son (Tom) born 1982, Daughter (Kate) born 1983
 - Smallpox ceased (1980)
 - BCG ceased (1986) Pneumovax 23 introduced (1987)
- 1992 first Group One winner, same year gets AJC licence.
 - Australia vaccination rate 55%. Hib vaccine introduced
- 2013 Fiorente wins Melbourne cup
 - HPV in schools, MMRV
 - Hepatitis B school program stopped

Not on their radar and.....

- Do they know they need it
- For them and their contacts/family etc
- Does it work

- Probably doesn't matter if its free?
- Do they see themselves as sick?

What would help me “sell” immunization?

- Make is available where these people already go
 - GP
 - Pharmacy
 - Work
- Have a consistent message
 - Vaccines work
 - These are the recommendations
 - Support from government advisors

About vaccines for seniors.....

- What have you missed?
- Aboriginal or TSI
- Your job
- How old you are
- Travel

Its all to hard

- Catch up
 - Polio (doesn't exist)
 - Measles mumps rubella (that was for german measles)
 - Chicken pox (had that)
 - Hepatitis B (really...)
- Additional
 - Influenza (doesn't work)
 - Shingles (when? And had that..)
 - Pneumococcal (give me the simple version, which one?, when)

And I've already had mine

- Booster
 - Diphtheria
 - had them as a child,
 - didn't think we needed tetanus,
 - can I just have pertussis?
 - Tetanus
 - At 50 (cant remember, probably) and when
 - It is combined?
 - Just the other year....
 - Whooping cough (is that the same as pertussis?)
 - I'll have it for the grandchild

I'm a healthy 70 year old

- Medically at risk
 - 'Cause I'm old??
 - I look after my diabetes and HbA1 C is normal
 - Hasn't that changed?
 - Will I only need one injection
 - At 70
 - At 75
 - At 80
 - At 85
 - At 90
 - At 95
 - At 100

Is this an international issue?

- Korea
 - A new era of welfare and happiness status of the elderly
- China
 - 16% aged 60 and over, happy aging. (2050 :50% >65)
- Singapore
 - Seniors at work. The new norm for ageing in Singapore
- Africa
 - Chronological 50 is the same as 65

For an effective program

Recognizing the time and training needed to give appropriate catchup advice and vaccines

Clearer Message

From Providers

Better education of providers

From Government

Just cause its not funded doesn't mean it doesn't work

Easy access to update vaccine programs

Planned communication and clear messaging

Easily accessible history of vaccinations

Better working AIR

Overcome the problems

- Better vaccines
 - Conjugated
 - Adjuvant
 - Higher doses
- Universal vaccines
 - Once only and lifetime ? Eg flu

Challenges

- Patients getting older
- New vaccines
- Disease showing ongoing changes
 - Pneumococcal subtypes
 - New testing.
 - Panels of POCT will confirm disease
 - New awareness of pertussis as significant morbidity in elderly
 - New treatments

Tailoring Immunisation Programmes (TIP)

- different programs for different ages
 - shingles
- Targeted programs for new vaccines
 - High dose flu, adjuvanted flu
- Consistent messages about all vaccines (funded or not)
 - pertussis
- Support (\$) providers
 - to educated themselves
 - Access "catchup" vaccines
 - To review, revise, update and educate individuals