



Jessie J



It's not about the money money money
We don't need your money money money
We just wanna make the world dance
Forget about the price tag
Ain't about the uh cha-ching cha-ching
Ain't about the yeah b-bling b-bling
Wanna make the world dance
Forget about the price tag



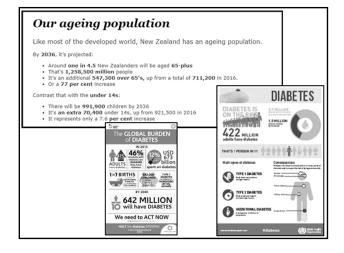
Health economics & sustainability of current anti-VEGF injections

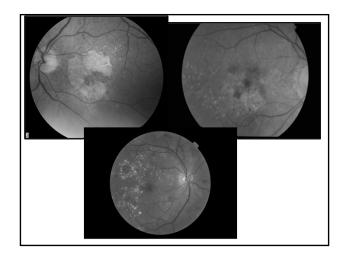
- · Can we? / Can't we?
- ADHB ophthalmology strategy



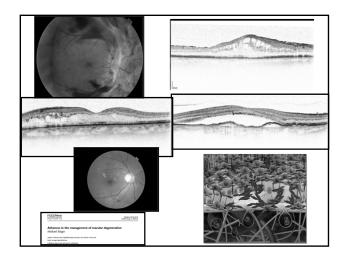








Socioeconomic cost of macular degeneration in New Zealand.





Anti-VEGF Trials

<u>AM</u>D

- Bevacizumab: CATT & IVAN
- Ranibizumab: Anchor & Marina & Resolve
- Aflibercept: View 1 & 2
- Fight Retinal Blindness (FRB)

EFFICIENT CAPTURE OF HIGH-QUALITY DATA ON OUTCOMES OF TREATMENT FOR MACULAR DISEASE.

The Fight Retinal Blindness! Project
MARK, SHIRE MIRE, ALL RESIDENT MACHINE, MARKET MARKET

Diabetic retinopathy

- Restore
- Diabetic Retinopathy Clinical Research Network (DRCR Retina Network)
- Fight Retinal Blindness (FRB)



NZ costs

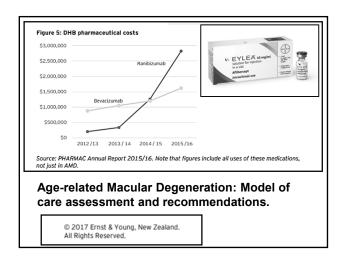
• Bevacizumab: 2012/13 = \$880,000

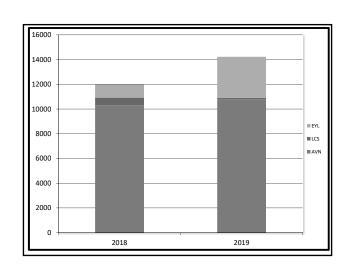
(90%) 2015/16 = \$1,620,000

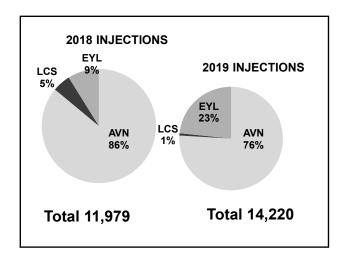
• Ranibizumab: 2012/13 = \$200,000 2015/16 = \$2,820,000

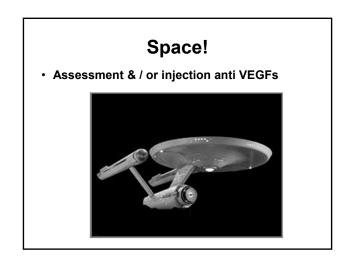
· Treatment \$ underestimated: administration

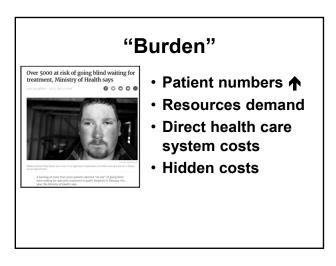
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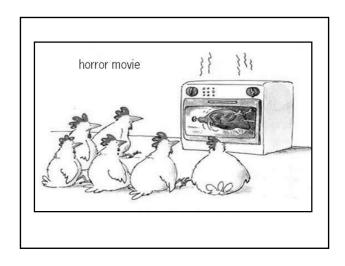




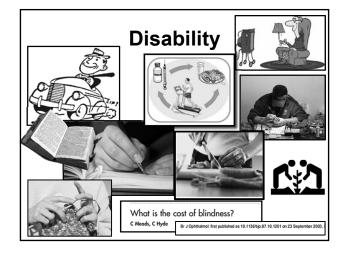


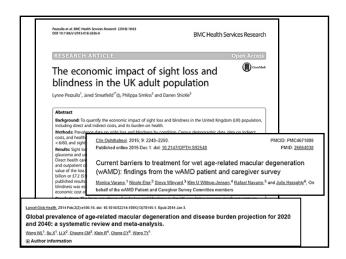


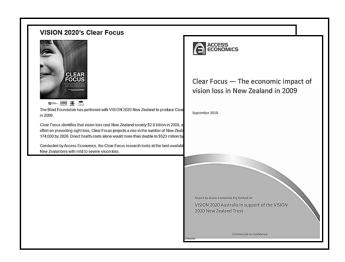








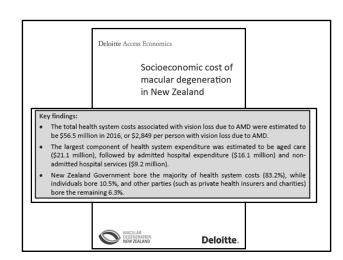




Sight loss "burden"

- Impact on wellbeing from disability
- Monetary estimate for reductions in quality of life
- DALYs: disability-adjusted life-years: years of healthy life lost due to disability
- QALYs: quality adjusted life years





"Substantial economic & loss of wellbeing cost"

Overall, New Zealand society could expect to avert around 340 DALYs, and receive benefits of approximately \$75.1 million if timely and adequate treatment occurs. Noting that only mild and moderate cases can receive timely and adequate treatment, the costs were estimated to be around \$2.8 million. With current treatment patterns, society may forgo as much as \$72.3 million in net benefits.

The total cost of vision loss from AMD was estimated to be \$391.1 million in 2016, or \$19,727 per person with AMD. Of the total cost, the economic costs were \$89.6 million (\$4,521 per person), and the value of lost wellbeing was \$301.5 million (\$15,207 per person). Health system expenditure represented the largest component (63%) of economic costs.

Blindness from AMD was estimated to contribute \$216.6 million, or \$45,677 per person with blindness. This represented 55% of the total costs due to AMD in 2016, and was comprised of \$28.2 million in economic costs as well as \$188.4 million in loss of wellbeing.



Age-Related MD: Model of Care Assessment & Recommendations

31 August 2017

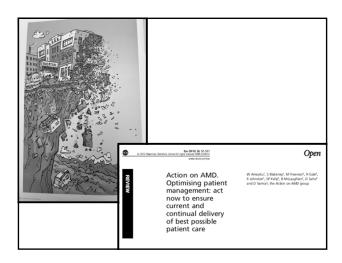
After a number of years consulting with the sector regarding a model of care for eye health, the Ministry of Health commissioned Ernst and Young (EV) to compile a areport titled "Age-elated Macular Degeneration - Model of Care assessment and recommendations". The report was finalised in August 2017 and covers 3 broad areas:

- · Prevention / detection & risk stratification
- Intravitreal anti-VEGF treatment
- · Low vision rehabilitation



- Loss independence
- Depression
- Care
- · Economic employment

Recommendation 8 - Given the health benefits able to be gained, and the strong cost-effectiveness of the treatment, consider the adequacy of volumes of treatment delivered based on these protocols Led by: DHBs



Model of care "unsustainable"

- Funding arrangements
- Treatment approach.

Specifically, the proposed model is intended to:

- Enable faster access to diagnosis, treatment and rehabilitation for people most likely to benefit
- Support preventive activities
- Enable care to be delivered closer to
- Make best use of health professionals' skills and time

Make best use of technology and other infrastructure within in the New

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Recommendation 2 - Find the most

cost-effective resourcing mix and settings of care to maximise patient

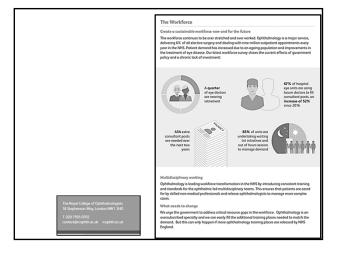
benefit and efficiency of AMD

diagnosis and care Led by: DHBs

ADHB ophthalmology

- · New models of care
- Multi-disciplinary
- Collaboration

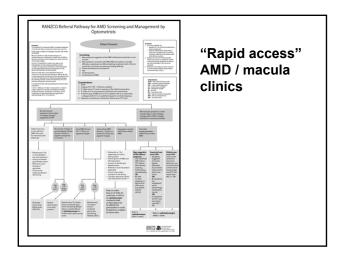


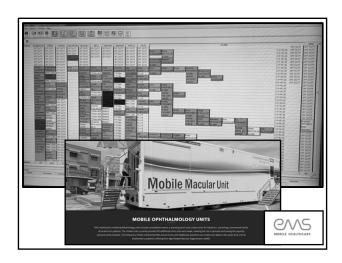




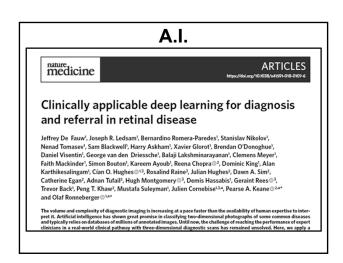
"Nurses step up to meet demand for specialist eye treatment" February 2016 Vol 16 (1)

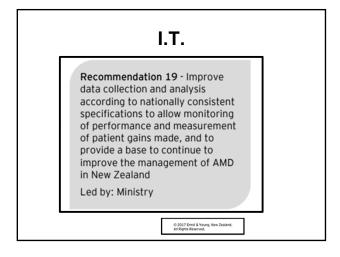
Samalia P, Garland D, Squirrell D. Nurse specialists for the administration of anti-vascular endothelial growth factor intravitreal injections. N Z Med J 2016; 129(1438):32-8.



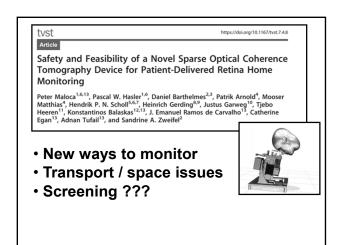


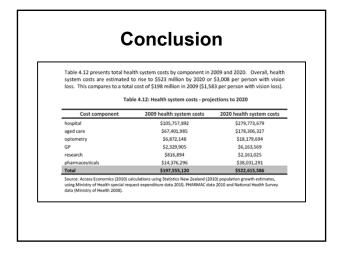












Anti-VEGFs

- ↑ burden ophthalmic services
- · "Cost" of sight loss
- Change models of care meet demands



