



## Calorific Restriction with optimal nutrition

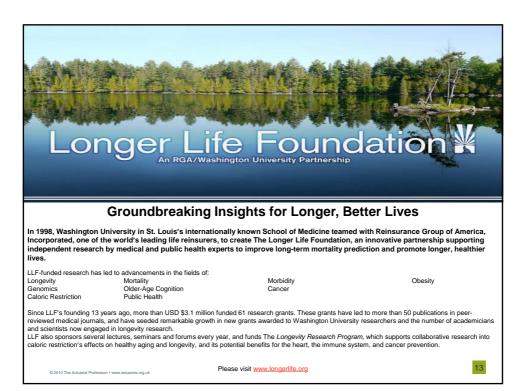
- Lab rodents reducing food intake by 10% -40% increases life span;
- Associated with favorable metabolic parameters in humans;
- Most find effective restricted diet intolerable

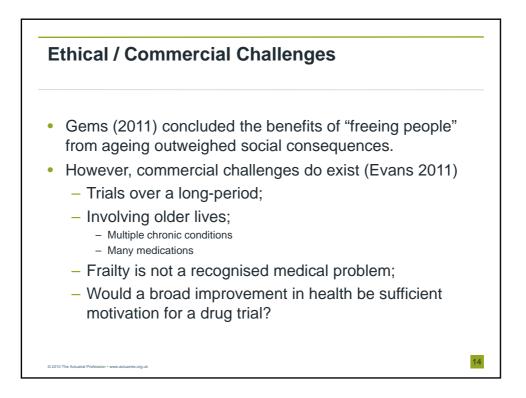
Canto ages more slowly and Owen

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2anto, left, a 27-year-old thesus monkey, is on a restricted diet. Dwen, right, 29, is not. Canto looks much healthier he two monkeys are part of a study of the links between diet and aging Acture from Reuters.

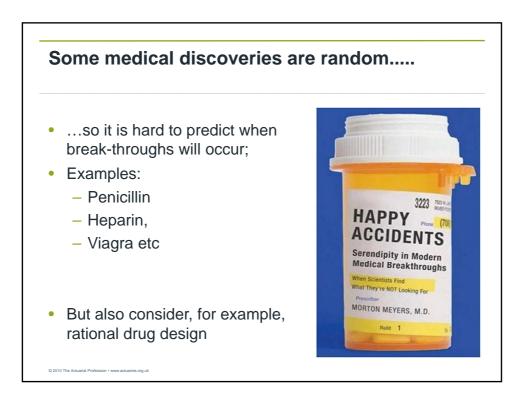
(Colman et al., Science 10 July 2009; Vol. 325, no. 5937, pp. 201 - 204)





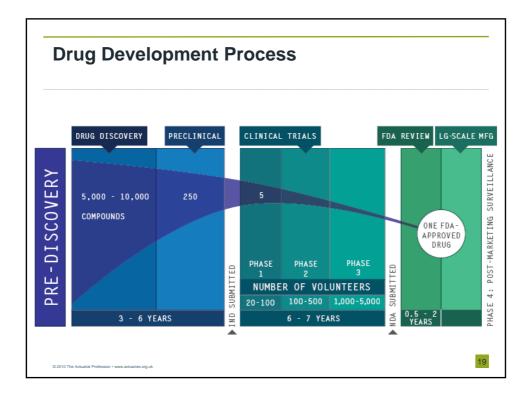




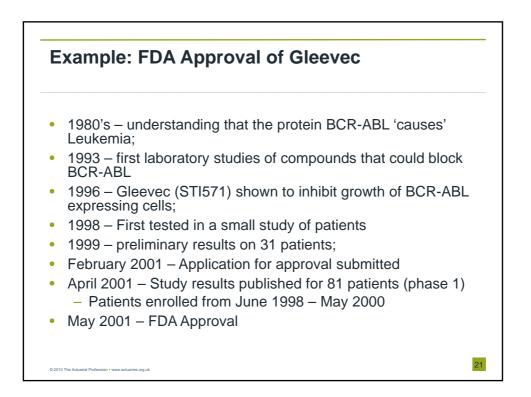


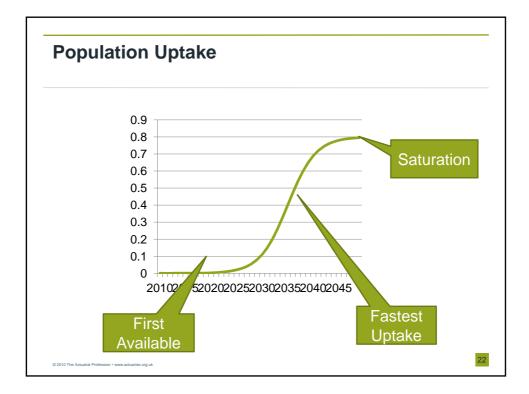
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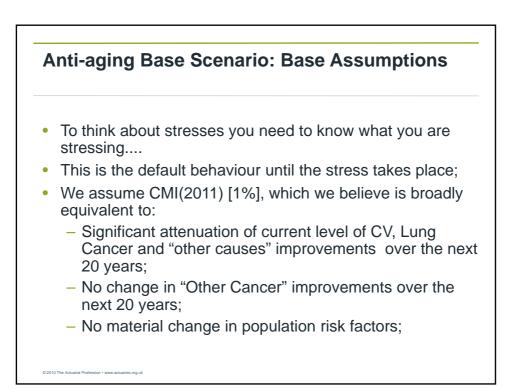


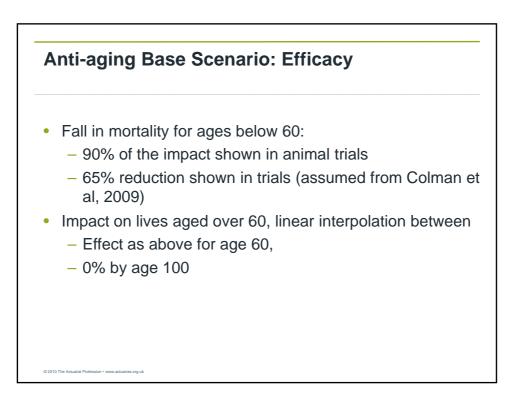
Pre-	Clinical			Approval	Market
Clinical				11	
	Phase I	Phase II	Phase III	New Drug Application	Phase IV / Postmarket
Purpose	Safety	Safety dosing efficacy	safety efficacy side effects	F1	surveillance
Expenses (\$m)	15.2	23.4	86.5		
Time (months)	21.6	25.7	30.5		
Total Time	6 to 11 years			0.6 to 2 years	11 to 14 years
Overall proba	ability of succ	ess			•
Г	30%	14%	9%	8%	]

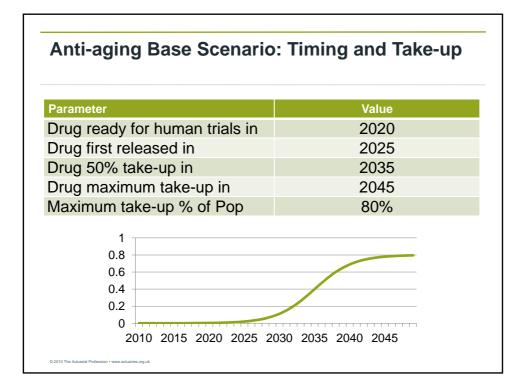


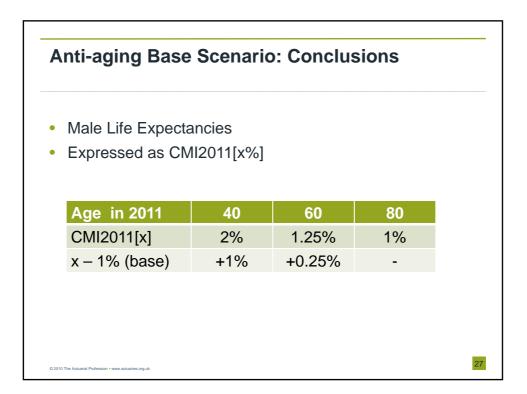












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## Anti-Aging Scenarios: Examples Scenarios Illustrating different outcomes

- For a male Life aged 60 now:
- To obtain a CMI\_2011[2%] equivalent:
  - · Quicker availability and quicker take up
    - Available from 2018, maximum take up in 2035
- <u>To obtain a CMI\_2011[3%] equivalent:</u>
  - No tapering of efficacy;
  - Quicker availability and take up
    - Available from 2018, maximum take up in 2035
  - Maximum life span extended

