

From 2000-2006, Alzheimer's disease deaths increased 46.1% while ...

Deaths by:

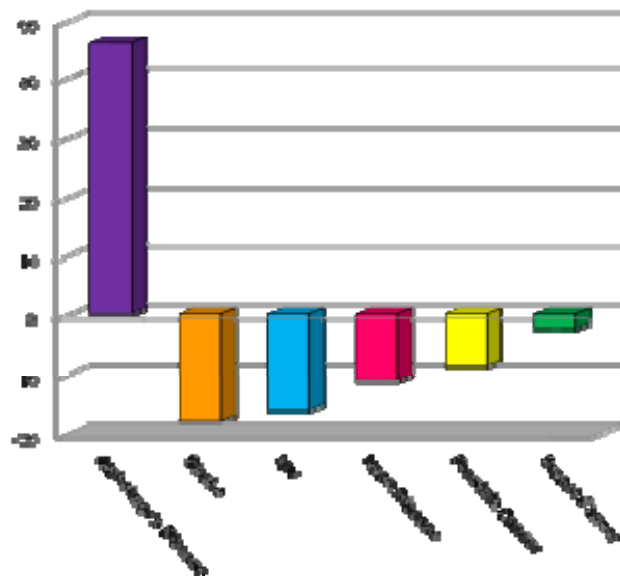
Stroke – declined 18.2%

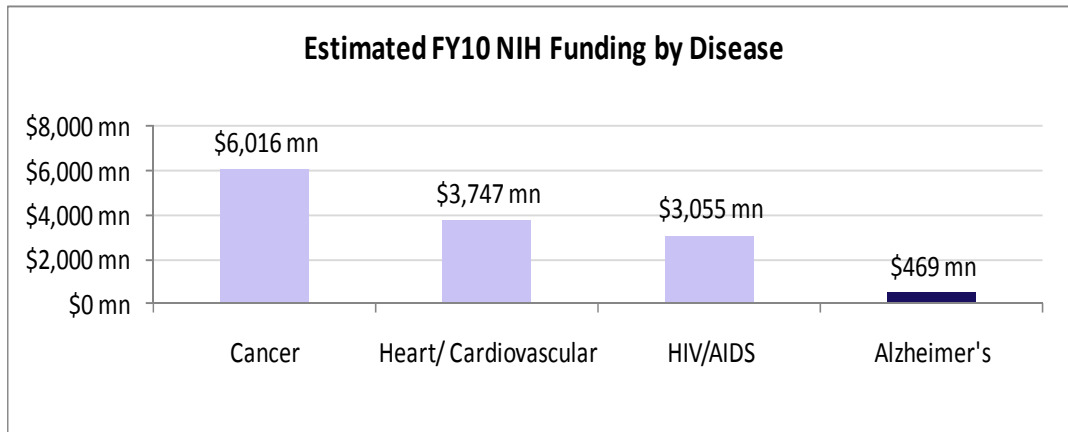
HIV – declined 16.3%

Heart Disease – declined 11.1%

Prostate Cancer – declined 8.7%

Breast Cancer – declined 2.6%



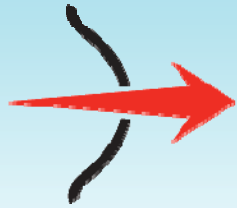


The federal government has not invested in Alzheimer research in keeping with the burden of the disease and, together with millions of American families, is now paying the consequences

- Current research investments amount to less than a penny for every \$2.50 the Federal government currently spends to care for those with the disease

Alzheimer's incidence, cost to Medicare and Medicaid, and requested federal research funding





Cure Alzheimer's FUND

2004 - 2010

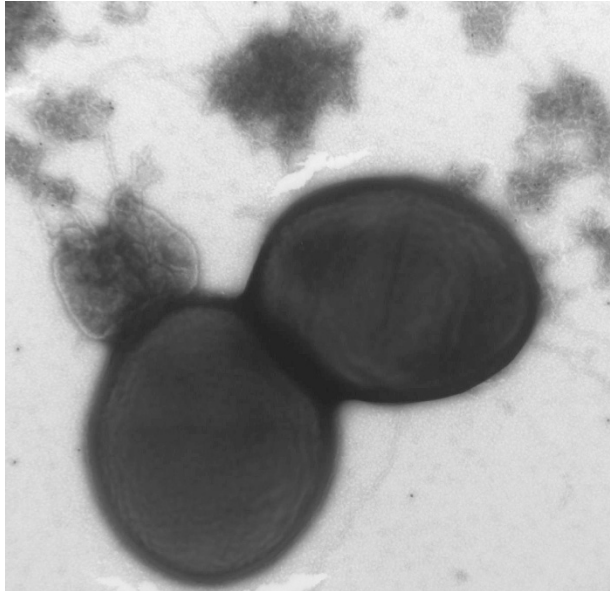
Venture Philanthropy Approach

- Clear goal: find a cure for Alzheimer's ASAP
- Fund high risk, game-changing projects
- Focus on results; not process.

Some of Our Achievements

- Alzheimer's Genome Project: Identification of 100 novel candidate genes
- Identification of the most toxic forms of Abeta peptide
- Discovery of a paradigm shifting insight – Abeta's role as part of the immune system

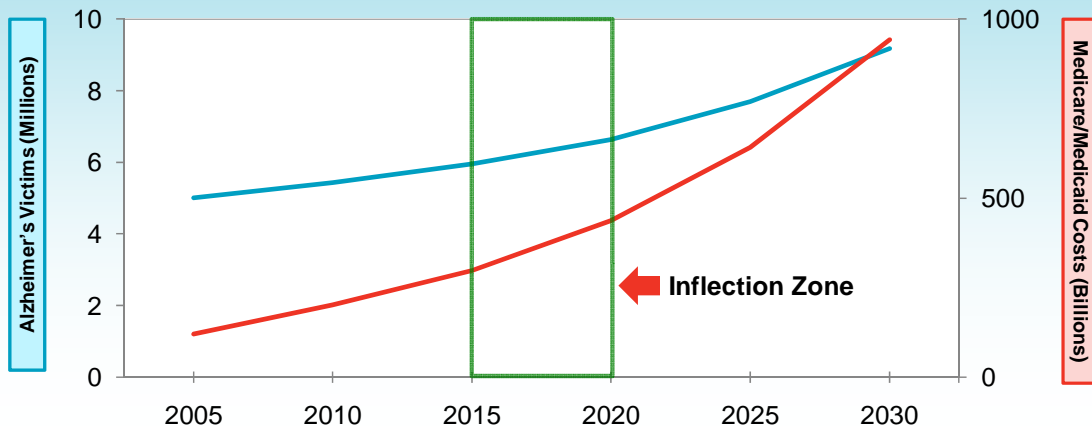
**Abeta treated bacteria are
anti-Abetaimmunoreactive & engulfed with AB fibrils**



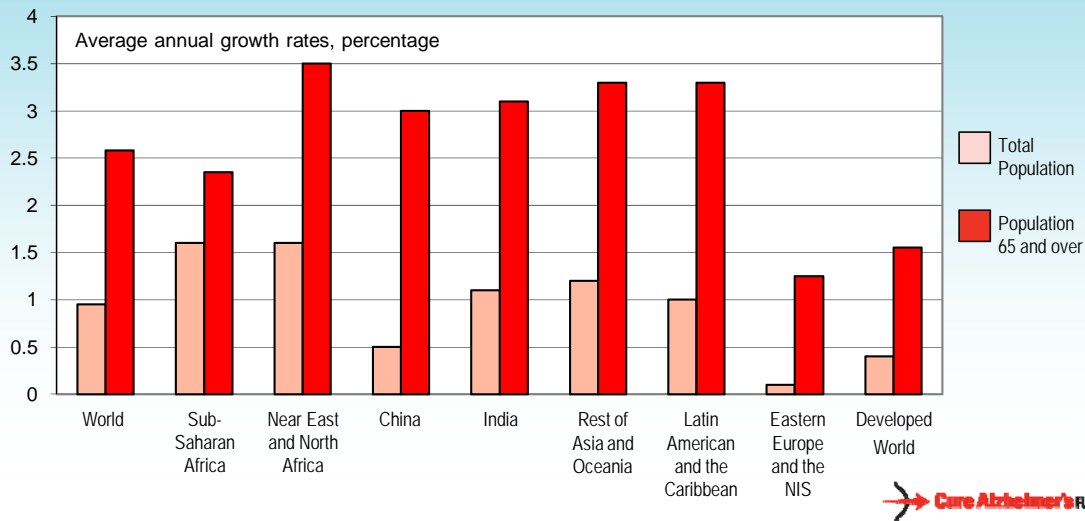
Next Steps

- Active drug development from the highest priority genes for a faster cure.
- Understand how the anti-microbial activity of Abeta can lead to a faster cure.

Projected U.S. Alzheimer's Victims and Medicare/Medicaid Costs



Alzheimer's disease is also a world-wide problem



What level of Investment into AD research is justified on an ROI basis, given the looming health care disaster of AD?

Year Ending:	2005	2010	2015	2020	2025	2030
Alzheimer's patients end of period (thousands)	5,000	5,433	5,952	6,633	7,687	9,178
New AD patients per 5 year period		806	927	1,136	1,582	2,210
Percent increase in total AD patients per year		1.68%	1.76%	1.90%	2.17%	2.46%
Annual AD Medicare/Medicaid (billions)	\$120.0	\$202.7	\$297.1	\$436.5	\$641.4	\$942.5
Percent increase per year		11.0%	8.0%	8.0%	8.0%	8.0%
Average annual cost per patient (5 yr avg.)	\$24,000	\$37,218	\$49,917	\$65,814	\$83,443	\$102,669

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ASSUME A PREVENTATIVE IS DISCOVERED IN MID-2020 PERIOD AND BROUGHT TO MARKET IN MID-2025

Year Ending:	2005	2010	2015	2020	2025	2030
Assumed incremental patient increase reduced by % shown					60%	75%
5 year reduction in Medicare/Medicaid cost – cost savings (billions)					\$354	\$740
Present value: Research budget justified by savings at 10% ROI	\$195 billion, or \$19.5 billion/year over 10 years					
Present value: Research budget justified by savings at 20% ROI	\$42 billion, or \$4.2 billion/year over 10 years					

Conclusions

- \$400 million to solve a \$185 Billion Problem, an Untenable Ratio!
- Simple ROI shows huge benefit from substantially increased investment in research.
- The comfortable pace of AD research cannot be continued – Rome is burning!

Current impediments to finding a rapid cure

- Inadequate resources
- No overall national strategy for effective investment of resources and time-wasting processes
- No process for development of a national strategy among the relevant constituents to achieve the common goal: **Defeat Alzheimer's Disease!**

Keys to a NATIONAL STRATEGY?

- Declare a “MAN ON THE MOON” goal to cure AD by 2020.
- Set target dollars for annual, ten-year public/private investment.
- Convene a “National Strategy Session” of leading scientists to develop roadmap to a cure.
- Establish clear roles for all players--federal agencies, private funders, bio-tech and pharma, insurance companies and others.
- Stay focused on the goal: Cure Alzheimer's!