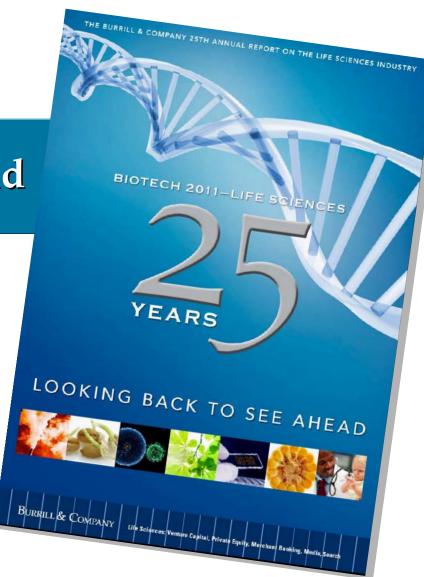
Looking Back To See Ahead



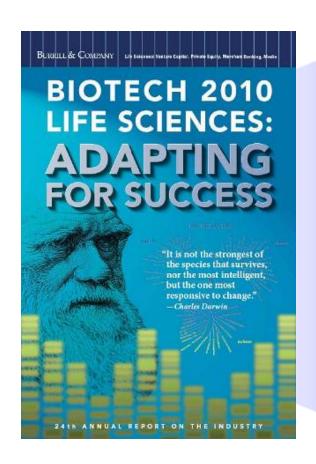
G. Steven Burrill
Chief Executive Officer
Burrill & Company

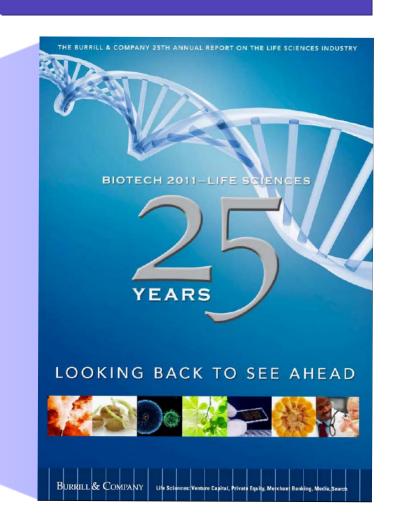
4th Annual CDD Community Meeting For Catalyzing Drug Discovery Research October 21, 2010



This Year's Book – Focuses on adapting...

Next Year's Book – Looking back to see ahead...





What did the world look like a year ago?

- We were amid a global economic downturn
 - Dow at 9321; NASDAQ at 1986; S&P500 at 1004
- Capital markets essentially closed
- Concerns about H1N1 flu outbreak (possibility of a pandemic)
- Healthcare reform discussion ongoing/intensifying (Obama in office 7 months)
- New head of FDA/CMS appointed
- Cautious optimism for future...still strong pessimism

...and today

- Biotech's market cap is up since October 2009 (9%) (DJIA up 14%, NASDAQ up 14%)
- Investor confidence in biotechnology IPO window opens slightly; 11 IPOs since last year
- US Health care reform finally passed, after a struggle...
- Gene patent issues (Myriad vs. The American Civil Liberties Union)
- Stem cell financing in question
- Biogreentech is hot
- A record \$62B raised by US biotech companies (capital & partnering)

Several Key Points...

- Healthcare Reform what it did to our world? / comparative effectiveness
- Population growth / Globalization / Opportunities
- Where technology is taking us? and how fast? / Wireless Health
- Value Capture are we/how do we do it?
- Capital Markets what is happening…
- Several personal reflections

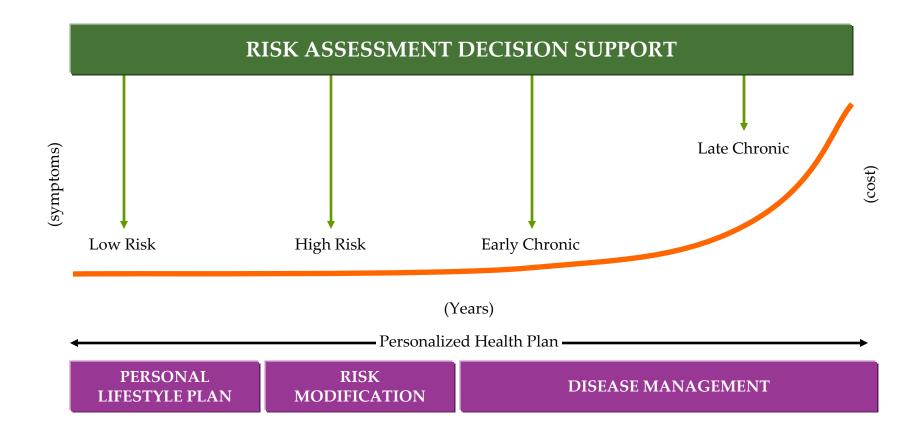
Innovation makes a difference

- Changes in healthcare solutions
- Reduces cost dramatically

...and it creates value:

- From 1970-2000, increase in life expectancy produced 50 percent of the growth in America's gross domestic product
- Genentech \$100B when acquired by Roche (Pfizer \$91B at that time)

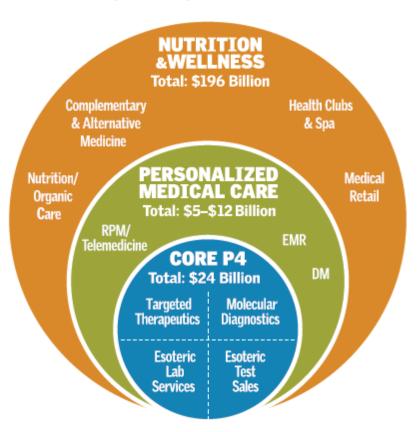
The Changing Focus of Healthcare



Source: Ralph Snyderman

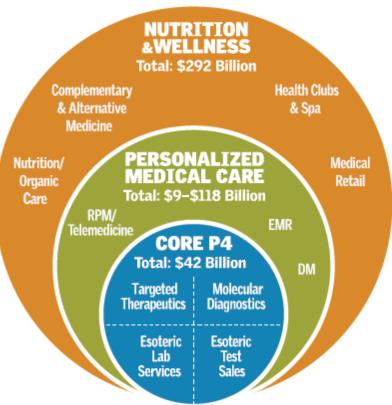
Personalized Medicine Market Size, 2009 and 2015

2009 TOTAL MARKET: \$225-\$232 Billion



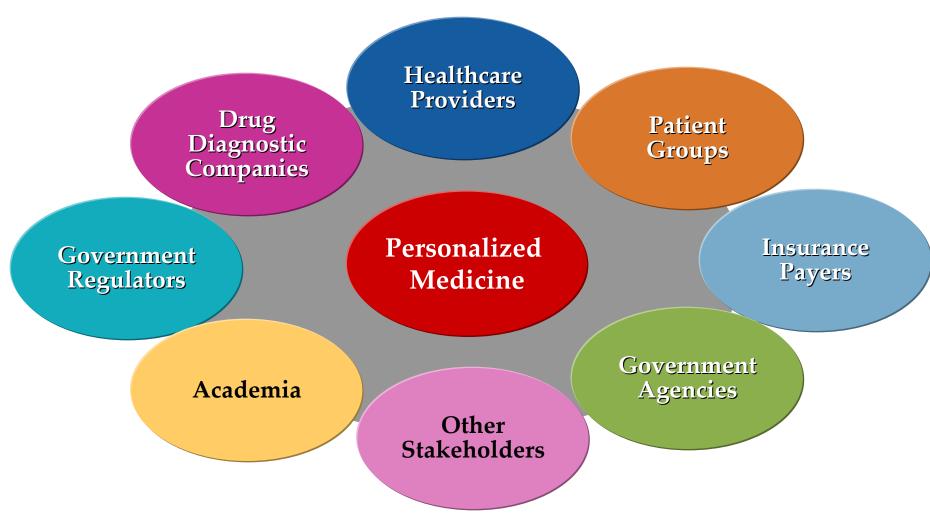
\$344-\$452 Billion

2015 TOTAL MARKET:



Total may differ due to rounding. Source: PricewaterhouseCoopers

Convening Stakeholders and Aligning Objectives



Source: PWC

So what will healthcare look like in 2020?

Healthcare 2000 Years Ago vs. Today

2000 Years Ago

Today

Episodic

Episodic

Local healers / midwives

Doctors / nurses / hospitals

Medicine "Man"

Pharmacists / pharmacies

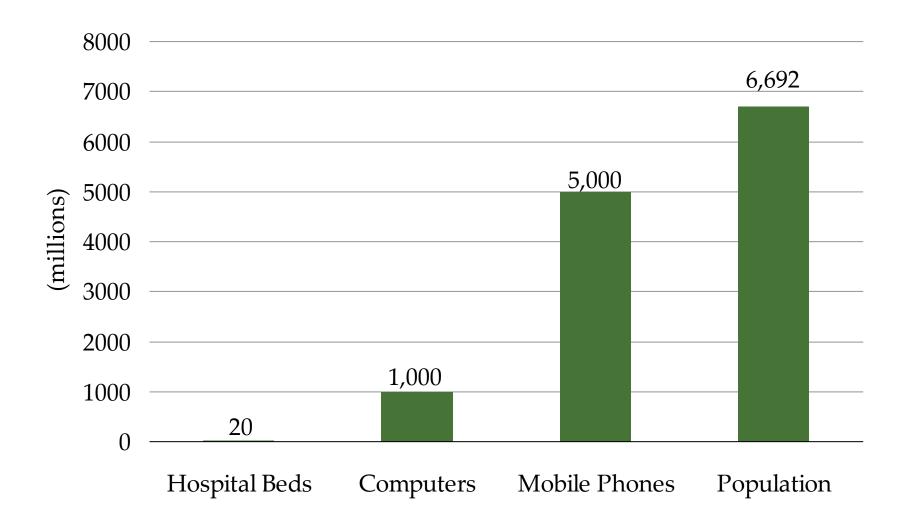
Evidence in Ancient Egypt, publicly provided health care system with healers paid by the community

Governments provide and pay

Most people died of disease

Most things don't work and people die

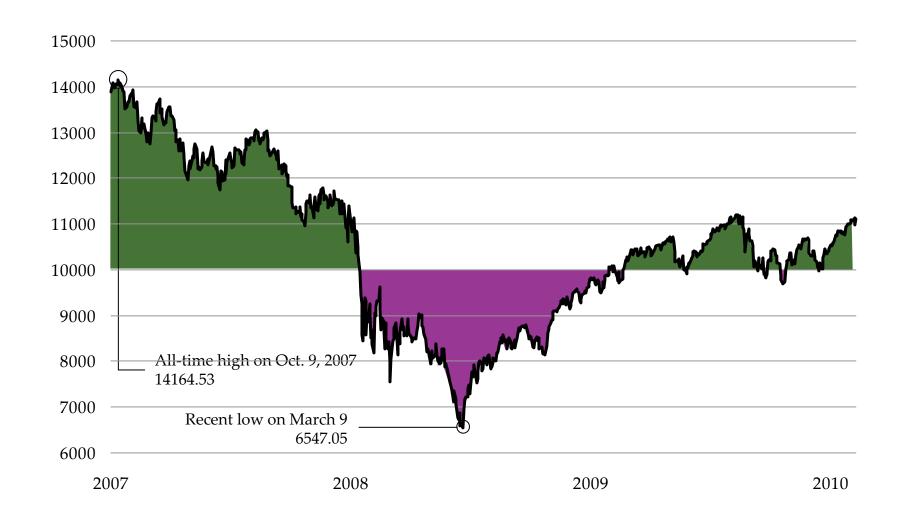
Big Trends: The Promise of Mobile Technologies for Health



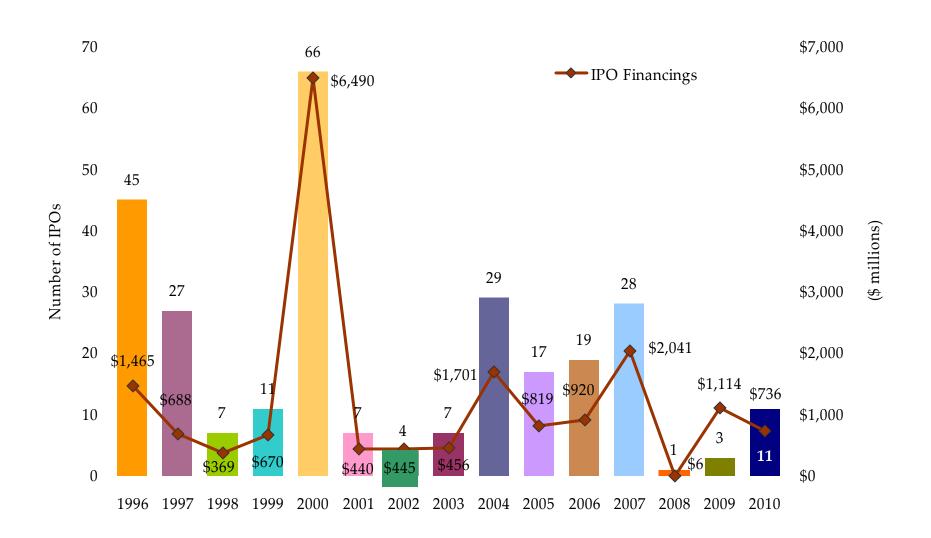
Healthcare – Spit on your BlackBerry/cellphone



The Market's Comeback



IPOs – window is opening?



IPO deals in the current window (2010 YTD)

Company	Filing Date	Expected to Raise (\$M)	Amount Raised (\$M)	Filing Range	Offering Price	Price as of 10/20/2010	% Δ Price
Ironwood	2/2/10	266	215.6	\$14-\$16	11.25	11.00	2.2%
Anthera PHARMACEUTICALS, INC.	3/1/10	70	42.0	\$13-\$15	7	6.44	8.0%
AVEO	3/12/10	105	89.7	\$13-\$15	9	15.16	6 8.4%
V CorMedix	3/22/10	12.5	12.5	\$6-\$8	6.5	1.38	- 78.8%
tengion	4/9/10	46	30.0	\$8-\$10	6	2.95	5 0.8%
CODEXIS'	4/21/10	84	78.0	\$13-\$15	13	10.06	22.6%
ALIMERA	4/21/10	86	72.0	\$15-\$17	11	10.48	4.7%
GenMark Dx [*]	5/28/10	45	28.0	\$8-\$10	6	3.43	42.8%
2 Trius Therapeutics	8/2/10	78	50.0	\$12-\$14	5	3.89	22.2%
NuPathe° New Pathways in Neuroscience	8/6/10	75	50.0	\$14-\$16	10	6.71	32.9%
AMYRIS	9/28/10	101	85.0	\$18-\$20	16	17.11	1 6.9%

IPO Queue

Alternative fuels

- PetroAlgae: produces biocrude from duckweed, \$200 million.
- Gevo: produces isobutanol from biomass \$150 million.

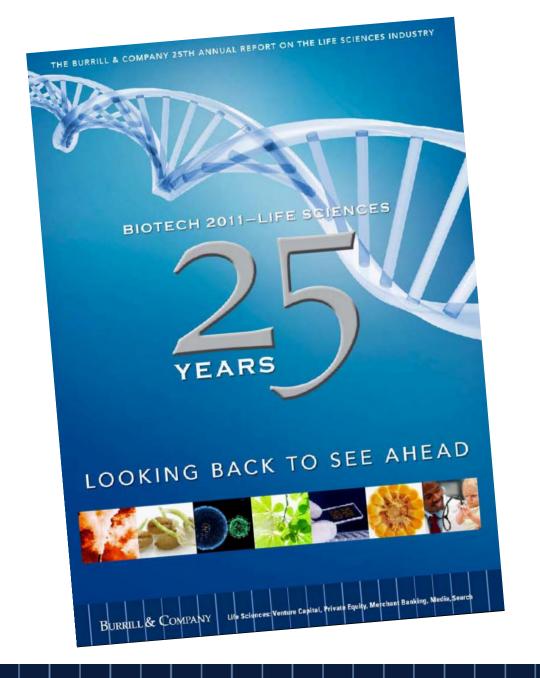
Tools/Technology

- Pacific Biosciences –Next generation DNA sequencing \$200 million
- Complete Genomics –DNA sequencing \$86M

Therapeutics

- Aegerion Pharma Cardiovascular metabolic diseases \$86M
- Endocyte Cancer-fighting drugs \$86M
- Horizon Pharma Arthritis, pain and inflammatory diseases \$86M
- Ventrus Biosciences GI disorders \$20M
- Ikaria Respiratory diseases \$200M

Adapt = Success



Our Special **Anniversary** Edition Available **Early 2011**

Visit our website www.burrillandco.com for more information

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