

"Pharma R&D and Patents support Health Care & Economy"

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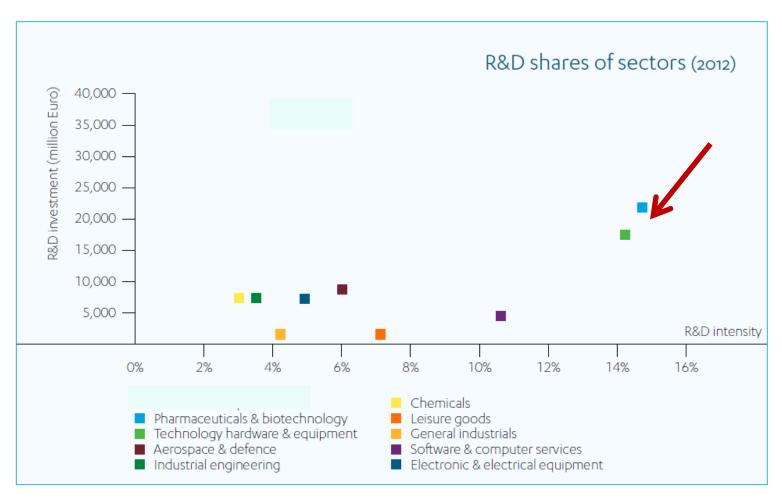
Intellectual Property Patents: The vehicle for innovation

- The pharmaceutical industry has consistently invested in science.
- In 2011 alone, the industry invested €27.5 billion in R&D in Europe.
- The rewards are new and better medicines that benefit patients, health outcomes, scientific progress economy and society as a whole.

http://www.efpia.eu/topics/innovation/intellectual-property



Pharmaceuticals is the most R&D intensive sector in Europe

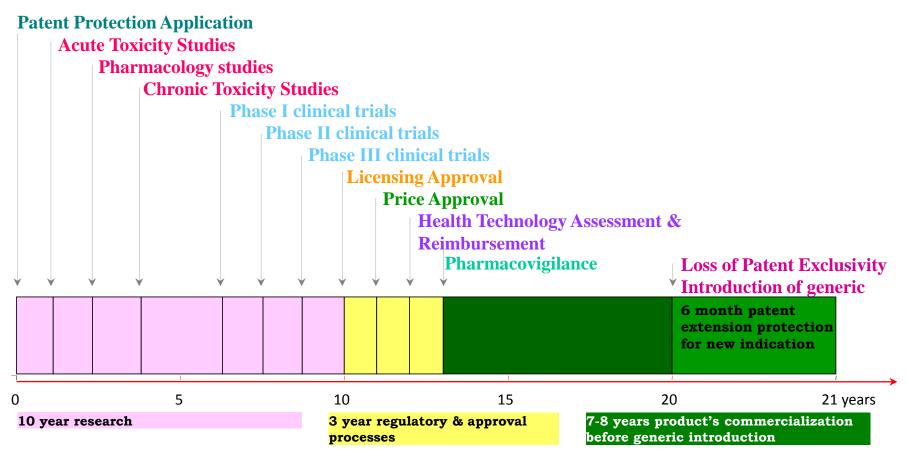


(Source: European Commission – EU R&D Scorecard 2012)



The Medicine Development Process

From 20 years patent protection only 7-8 year commercialization

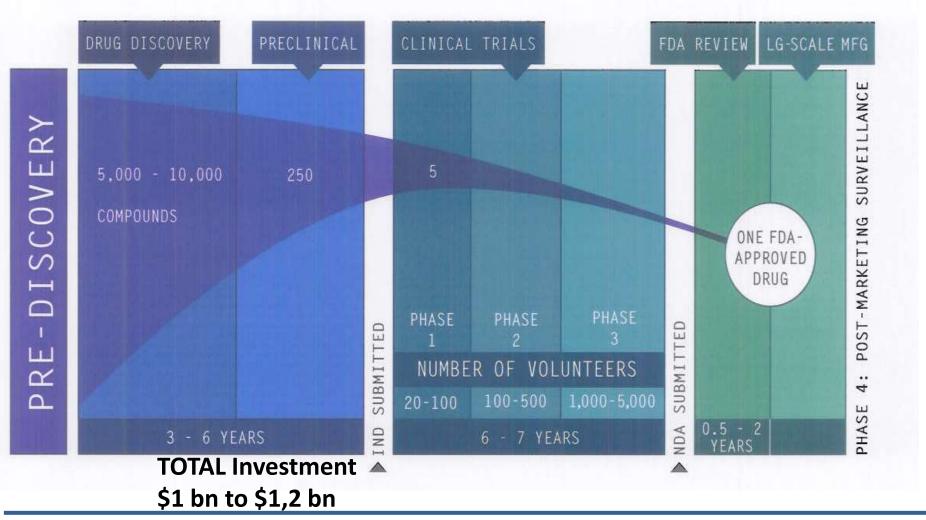


For every 25,000 compounds that begin in a laboratory 25 make it to the point of Clinical Testing, (tested in humans). 5 make it to the market. 1 will recoup what was invested.



Pharmaceutical Research & Development

From 10.000 compounds only 1 is finally marketed



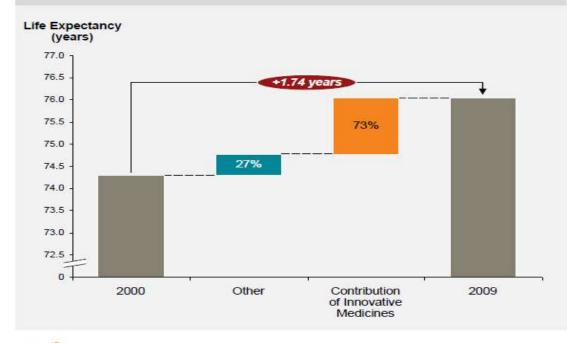


R&D: Increase in Life Expectancy

Health & Wealth

Life expectancy continues to improve today – and medicines usage has made major contribution to recent advances, 73%

Contribution of innovative medicines to increase in life expectancy



- From 2000 2009, an improvement in population life expectancy of 1.74 years was seen across 30 OECD countries.
- Innovative medicines are estimated to have contributed to 73% of this improvement.





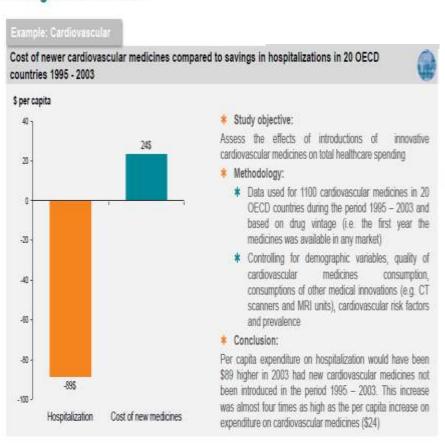
Positive impact of pharmaceutical innovation

- Significant increase in life expectancy
- Improved level of health and longevity (e.g. HIV/AIDS, many cancers, cardiovascular diseases)
- Significant progress in quality of life (e.g. asthma, diabetes)
- Much less overall Health Care costs (Hospitalization etc.)
- Improved treatment lead to more productive population in the country

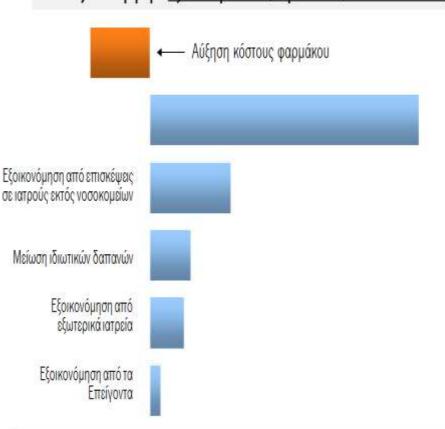


Medicines reduce other health costs

Relative to costs of hospitalisation, cost of innovative new medicines are a good investment



Σε σύνολο, \$18 επένδυση σε καινοτόμο φάρμακο επιστρέφει \$129 σε εξοικονόμηση - εξοικονομούνται \$7 για κάθε \$1 που επενδύεται





2009-2014: -64% drug spend: No new innovative drugs entered in Greece



% GDP	2.2%	1.9%	1.8%	1.5%	1.3%	1%
GDP (bn)	€236	€224	€209	€195	€186	€187

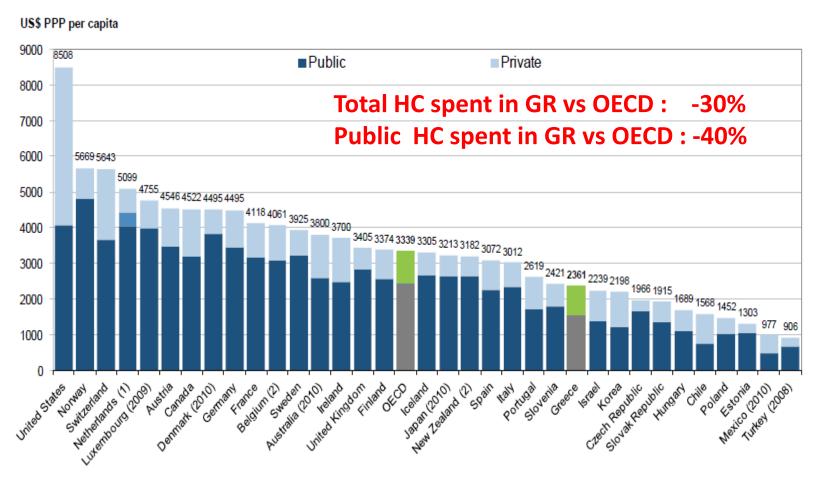
Equivalents of ~€350 mio coming from other HC centers to cover extra funding for drugs

- Diagnostics ~€70mio: scaled rebate for ALL, insurance prices
- Private clinics & rehabilitation centers ~
 €180mio: DRGs' validation and audit of extra charge, scaled rebate, reduction of the reimbursement level of rehabilitation centers for both daily and extended hospitalization (from €150 & €70 respectively to €120 & €50)
- Ceilings in prices and amounts of consumables
 ~€30 mio: Immediate inaction based on Price Observatory
- Patients copay
 1€/prescriptions ~€70m

Source: European Commission report 2013



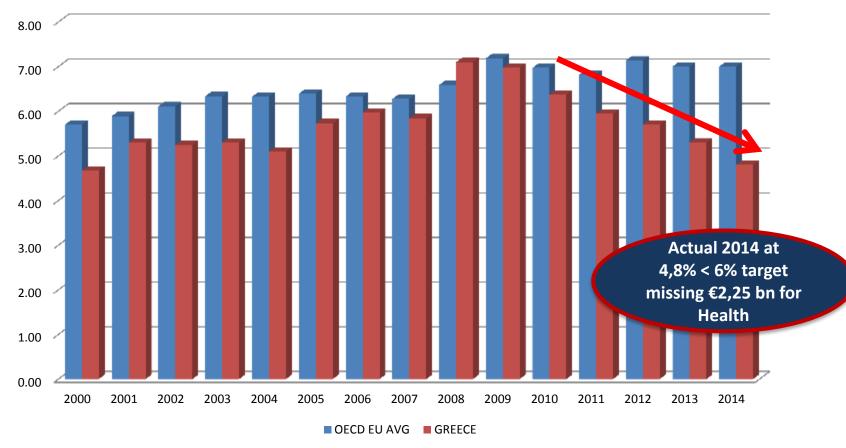
Health expenditure per capita in GR is much lower than OECD avg



Source: OECD health data 2013

OECD avg of Public HC at > 7,5% of GDP while. In GR it contacts dramatically <4,8% of GDP while MoU target is 6%

Public HC expenditure as % of GDP







Need for more structural reforms on HC system ensuring patients' access to innovative medicines

a. New medicines Pricing & Reimbursement:

- ✓ Inclusion in RL of ~280 new SKUs (140 new INN), priced in Feb 2014 after 3,5y delays!
- Correct prices for all medicines according to Law
- ✓ Decrease off patent & Gx prices, and increase their volumes leading to savings for the system and creating room for innovation

b. Feasible Pharma targets for 2014, ensuring patients' access to drugs

- ✓ EOPYY/SSF ≥ € 2.2 bil. (currently at 1.919 bil.)
- ✓ Hospitals ≥ € 650 mil. (currently at 535 mil.)

c. Outstanding debts:

- ✓ Outstanding public debt towards pharma companies is at very high levels ~€1,3 bn.
- ✓ Ensure equal payment treatment among HC providers

d. Other Hcare cost centers

- ✓ Drugs account for ~ 17% of total HC
- ✓ Many other cost centers in Hospitals and EOPYY are in comfortable



Looking forward: Modernizing our HC system

- The financial viability of NHS/EOPYY remains very critical
- The authorities must take immediate action to address the lack of control over consumption and purchasing.
 - Some expenditure categories such as spending with private hospitals or on paraclinic/ diagnostic tests appear to be out of control.
- The NHS State Hospitals need immediate actions to restore productivity and patients better services.
- The State should focus on the increasing number of citizens that do not have access to healthcare services and drugs.



Thank you for your attention!

