

18<sup>η</sup> Συνάντηση του Forum για τα Οικονομικά & τις Πολιτικές Υγείας:

**«Ποσοτικές μετρήσεις και ποιοτικές προσεγγίσεις στην υγεία και την ιατρική περίθαλψη»**

3<sup>η</sup> ΣΥΝΕΔΡΙΑ «Η ΜΕΤΡΗΣΗ ΤΟΥ ΕΠΙΠΕΔΟΥ ΥΓΕΙΑΣ»

# **Η Διαχρονική Εξέλιξη του Επιπέδου Υγείας στην Ελλάδα**

Ελένη Γελαστοπούλου

Καθηγήτρια Υγιεινής

Εργαστήριο Υγιεινής, Τμήμα Ιατρικής Πανεπιστημίου Πατρών

# Kyriopoulos and co.

Determinants of self-reported frequency of depressive symptoms during economic crisis

Authors K Mylona, V Tsiatis

Subjective social status, social network and health disparities: empirical evidence from Greece

Antonios Charonis, Ilias-Ioannis Kyriopoulos, Elpida Pavi and John Kyriopoulos

The Relationship Between And Self-Rated Health

A Charonis, M Spanaki

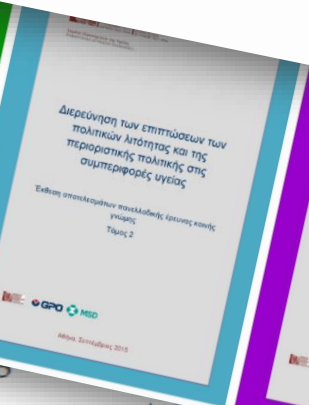
Positive Externalities of Cessation During the J

E Pavi, Naoum V, K Athanasakis, J Kyriopoulos

Unmet Healthcare Needs Due To Financial Reasons In Times Of Austerity

D Zavras, P Naoum, K Athanasakis, J Kyriopoulos, E Pavi  
National School of Public Health, Athens, Greece

Διερεύνηση των επιπτώσεων των πολιτικών λιτότητας, 2015-2017  
Α' κύμα, Β' κύμα, Γ' κύμα, Δ' κύμα



The Utilization Descriptive Analysis

P Naoum, M Mavrikou, A Charonis, T Balasopoulos, J Kyriopoulos

Estimation of The Disease Health Expenditure, In Greece

Naoum, K Athanasakis, E Argyropoulos, A Koutsogianni, E Pavi, J Kyriopoulos

Economic crisis, austerity and unmet healthcare needs: the case of Greece

Dimitris Zavras<sup>1</sup>, Athanasios I. Zavras<sup>2</sup>, Ilias-Ioannis Kyriopoulos<sup>1,3\*</sup> and John Kyriopoulos<sup>1</sup>

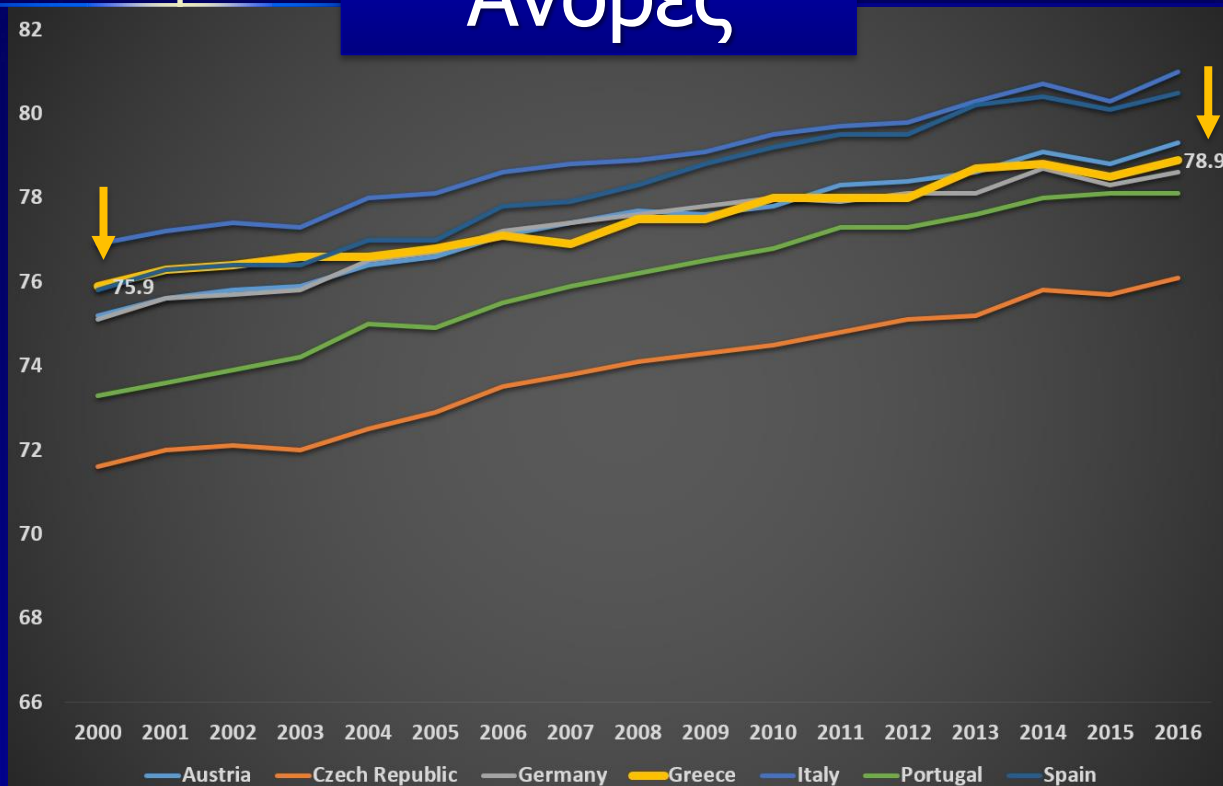
A Skroumpelos, V Naoum, D Kyriopoulos, E Pavi, J Kyriopoulos

# Περιεχόμενα

- Δείκτες Υγείας
  - Προσδόκιμο ζωής
  - Βρεφική θνησιμότητα
  - Άλλες αιτίες θνησιμότητας
    - (λοιμώδη νοσήματα, καρδιαγγειακές παθήσεις, κακοήθη νεοπλάσματα, άλλα χρόνια νοσήματα)
  - Πρόωρη θνησιμότητα
  - Ψυχική Υγεία

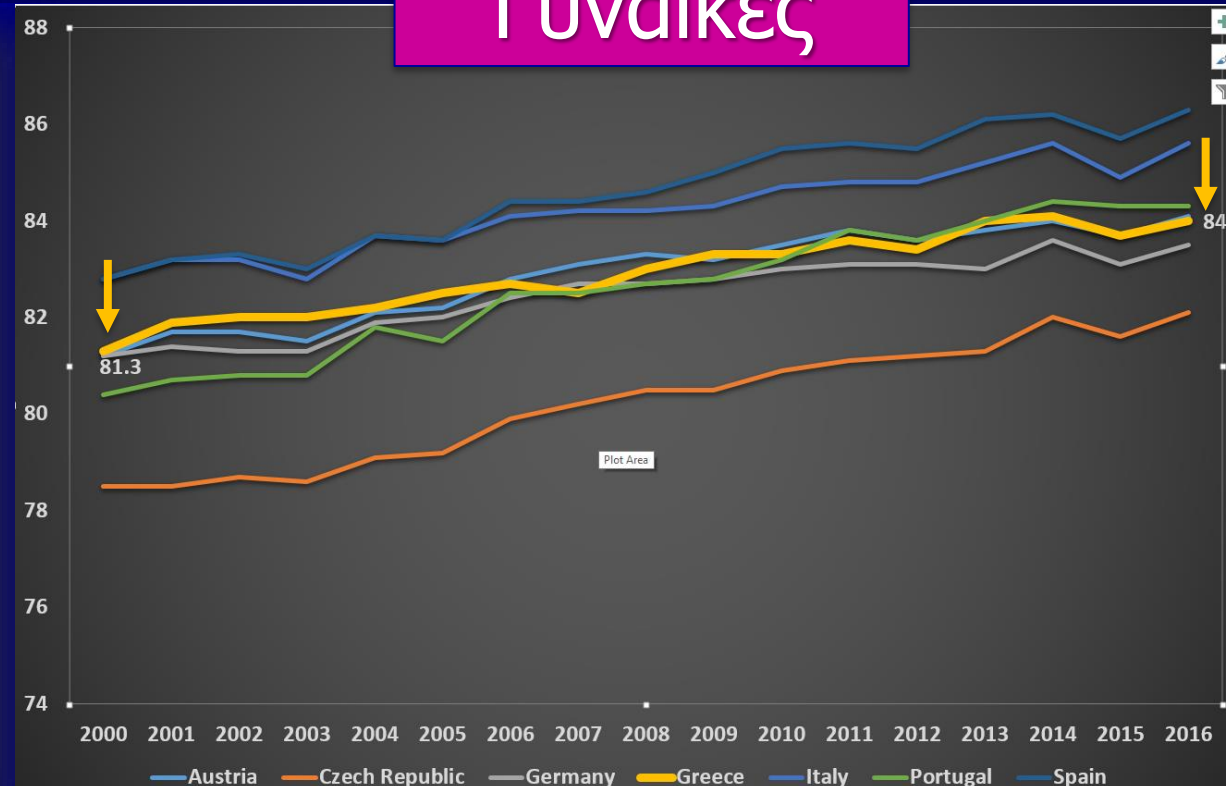
# Προσδόκιμο Ζωής

Άνδρες



Από 75,9 στα 78,9 έτη

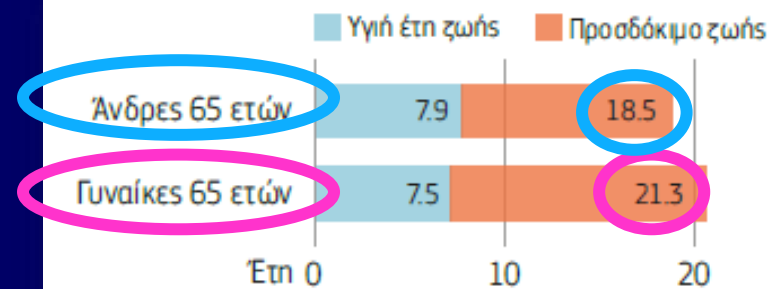
Γυναίκες



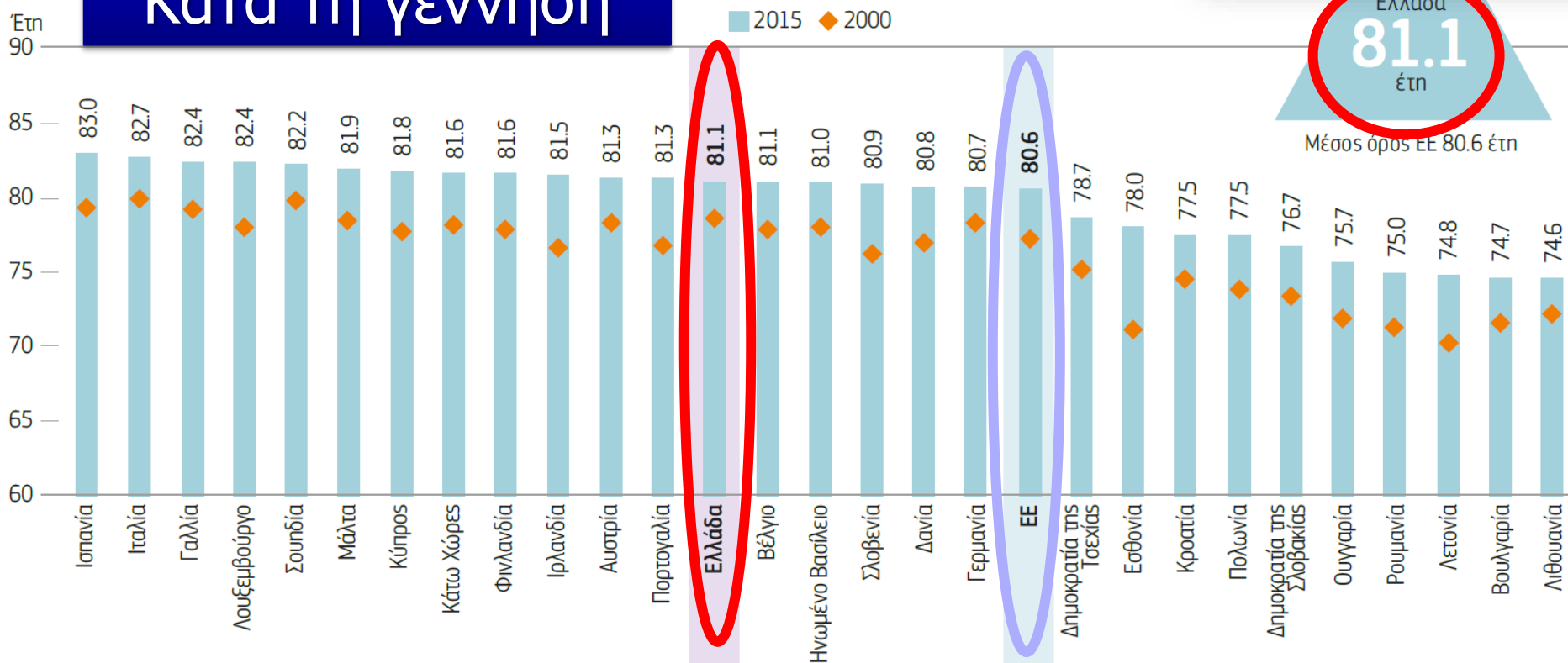
Από 81,3 στα 84 έτη



# Προσδόκιμο Ζωής



## Κατά τη γέννηση

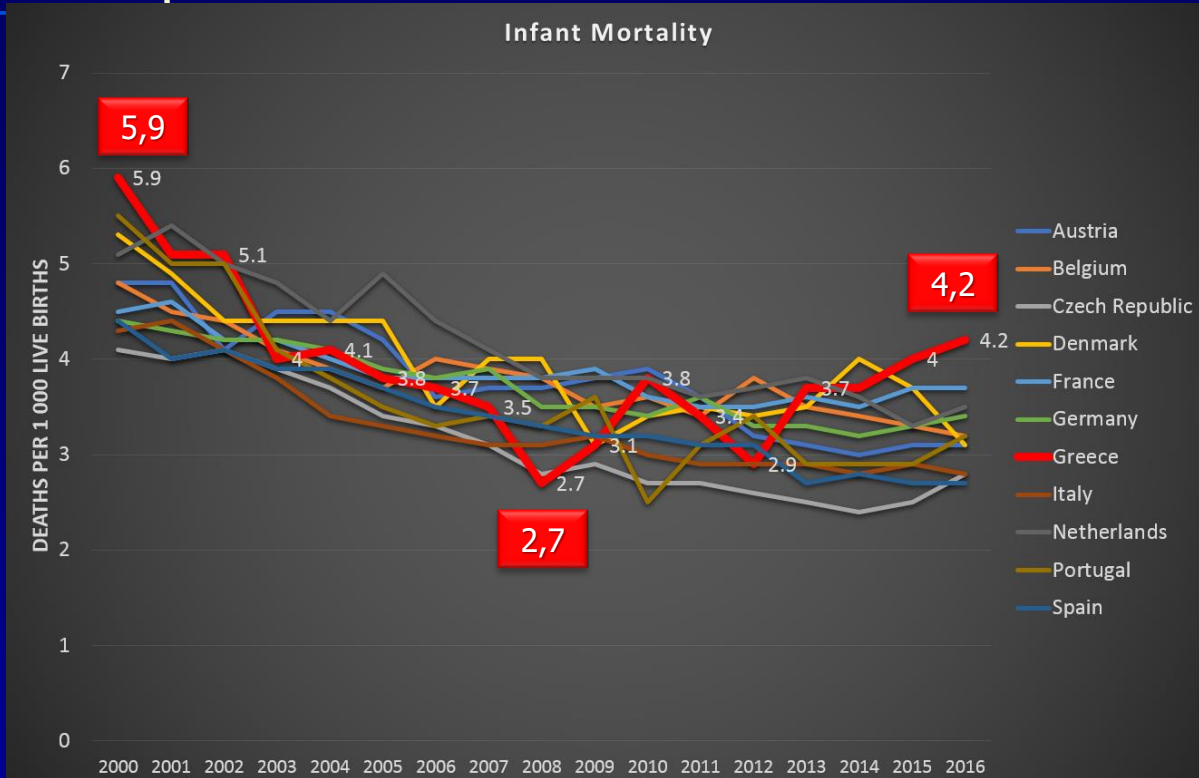


Πηγή: Βάση δεδομένων της Eurostat.

Διακύμανσή από 74,6 έως 83 έτη

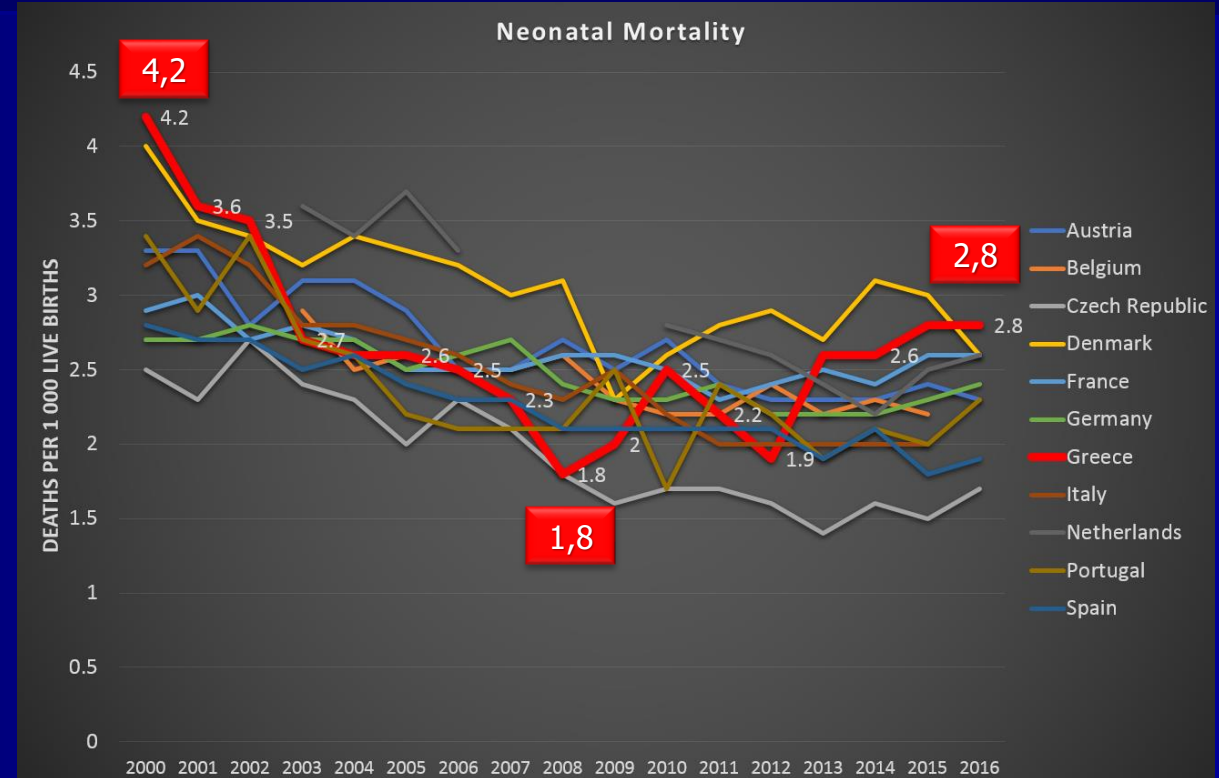
# Βρεφική και Νεογνική Θνησιμότητα

## Βρεφική Θνησιμότητα



Από 5,9 (2000) σε 2,7 (2008)  
σε 4,2 (2016)

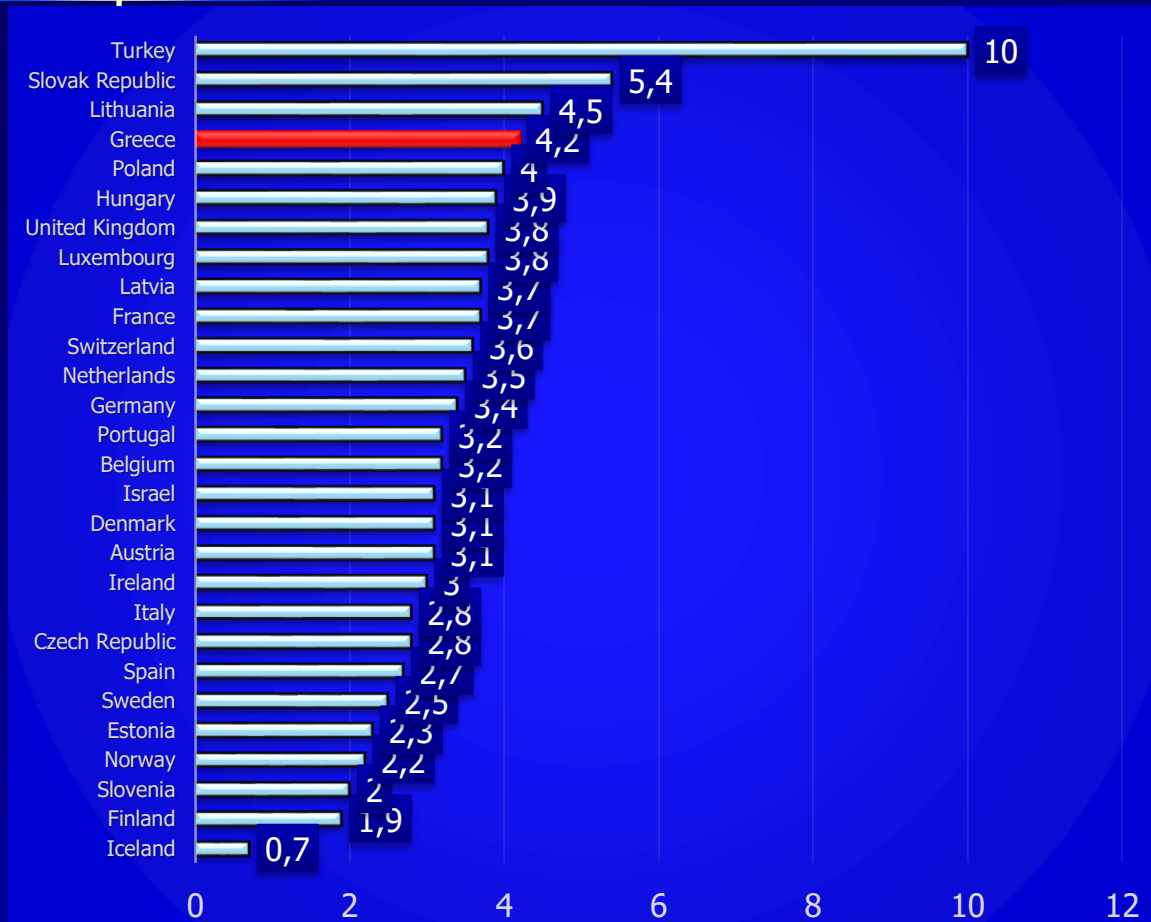
## Νεογνική Θνησιμότητα



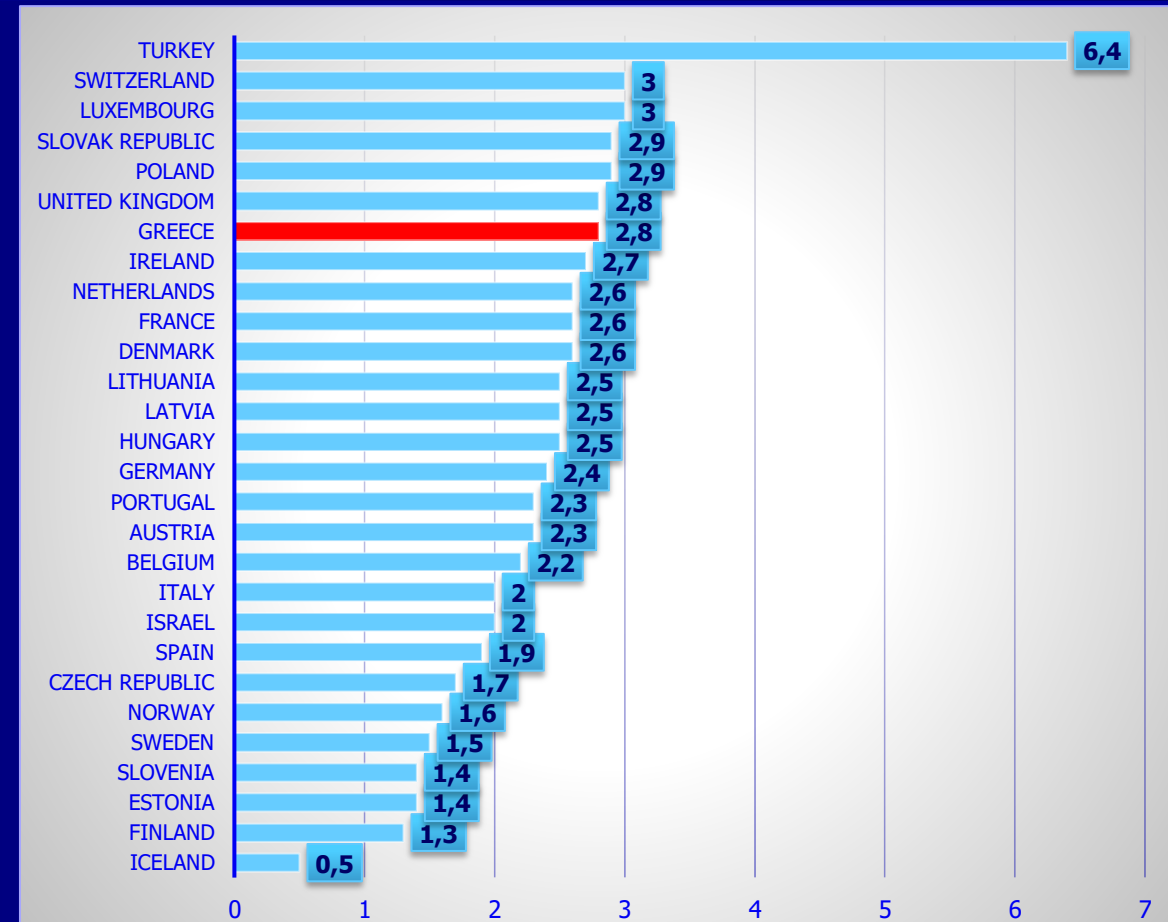
Από 4,2 (2000) σε 1,8 (2008)  
σε 2,8 (2016)

# Βρεφική και Νεογνική Θνησιμότητα

## Βρεφική Θνησιμότητα 2016



## Νεογνική Θνησιμότητα 2016



## Medium-term impact of the economic crisis on mortality, health-related behaviours and access to healthcare in Greece

Filippos T. Filippidis , Vasiliki Gerovasili, Christopher Millett & Yannis Tountas

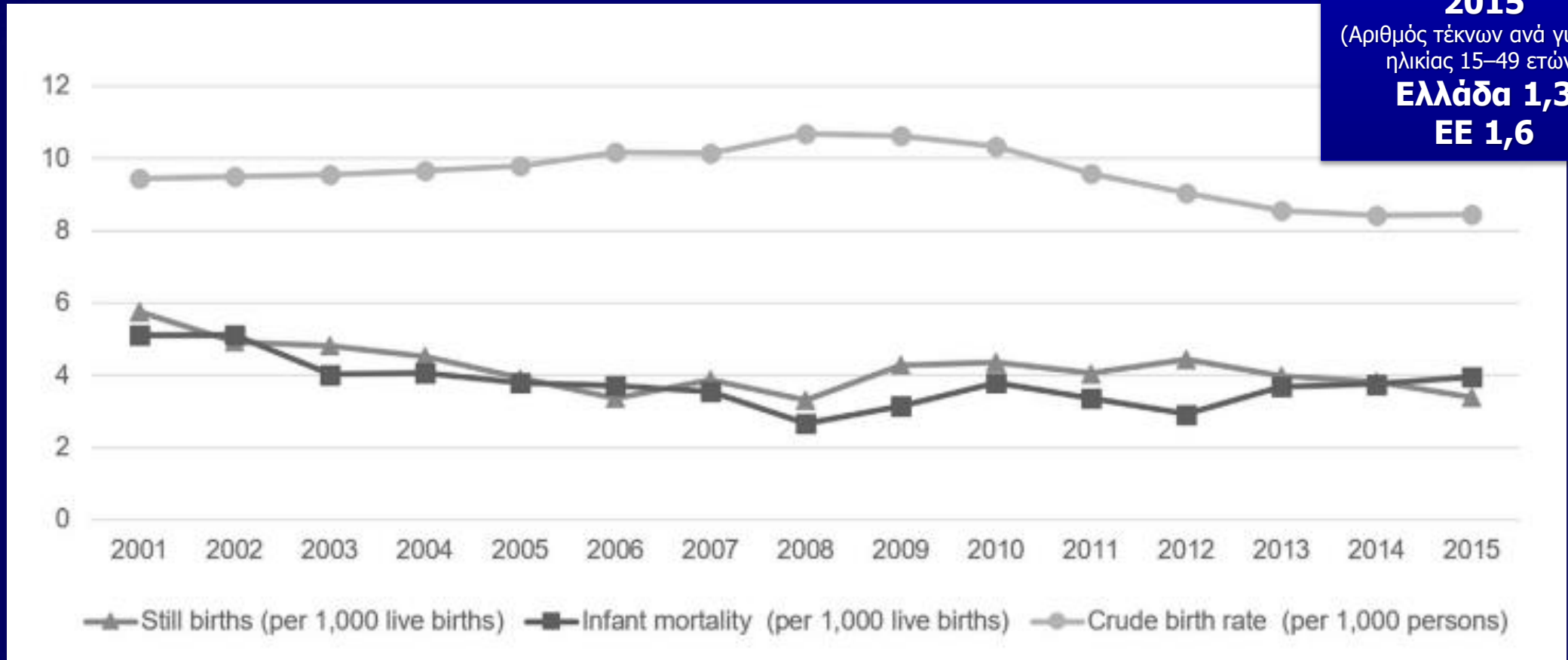
*Scientific Reports* **7**, Article number: 46423 (2017) | [Download Citation](#) 

# Γεννητικότητα και βρεφική θνησιμότητα

**Δείκτης  
γονιμότητας  
2015**

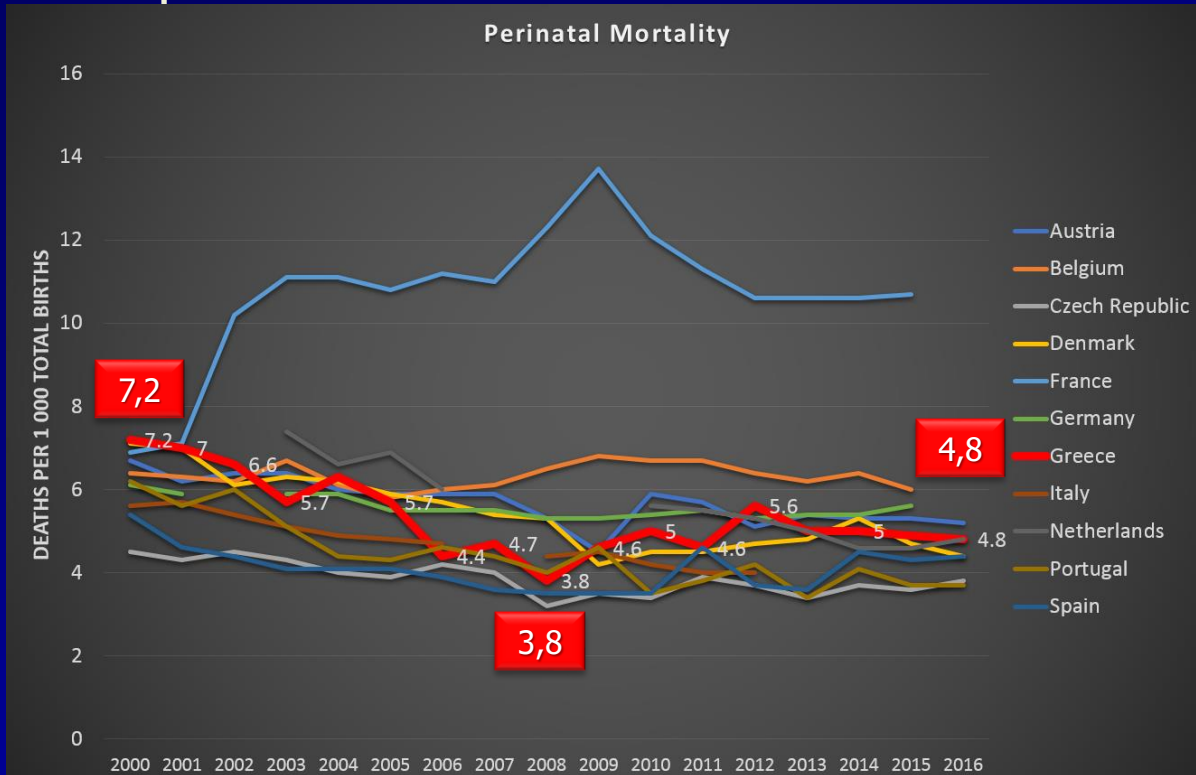
(Αριθμός τέκνων ανά γυναίκα  
ηλικίας 15–49 ετών)

**Ελλάδα 1,3  
ΕΕ 1,6**



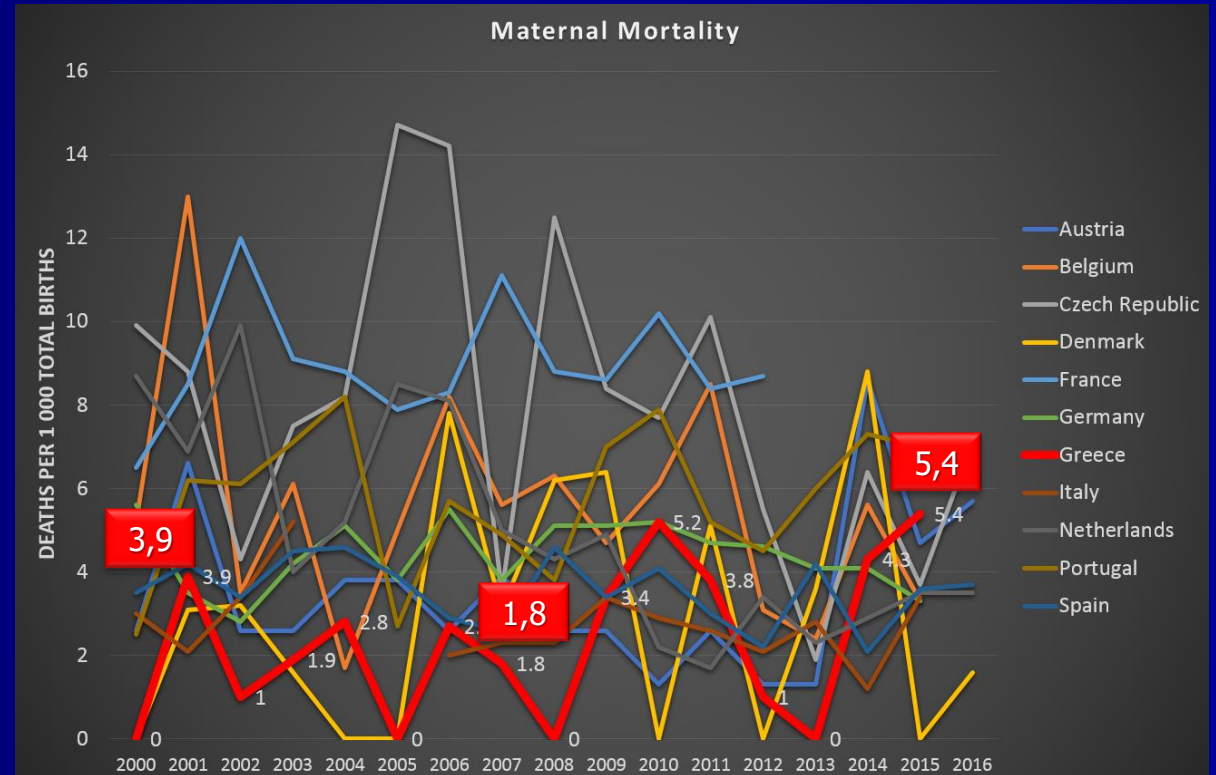
# Περιγεννητική και Μητρική Θνησιμότητα

## Περιγεννητική Θνησιμότητα



Από **7,2** (2000) σε **3,8** (2008)  
σε **4,8** (2016)

## Μητρική Θνησιμότητα

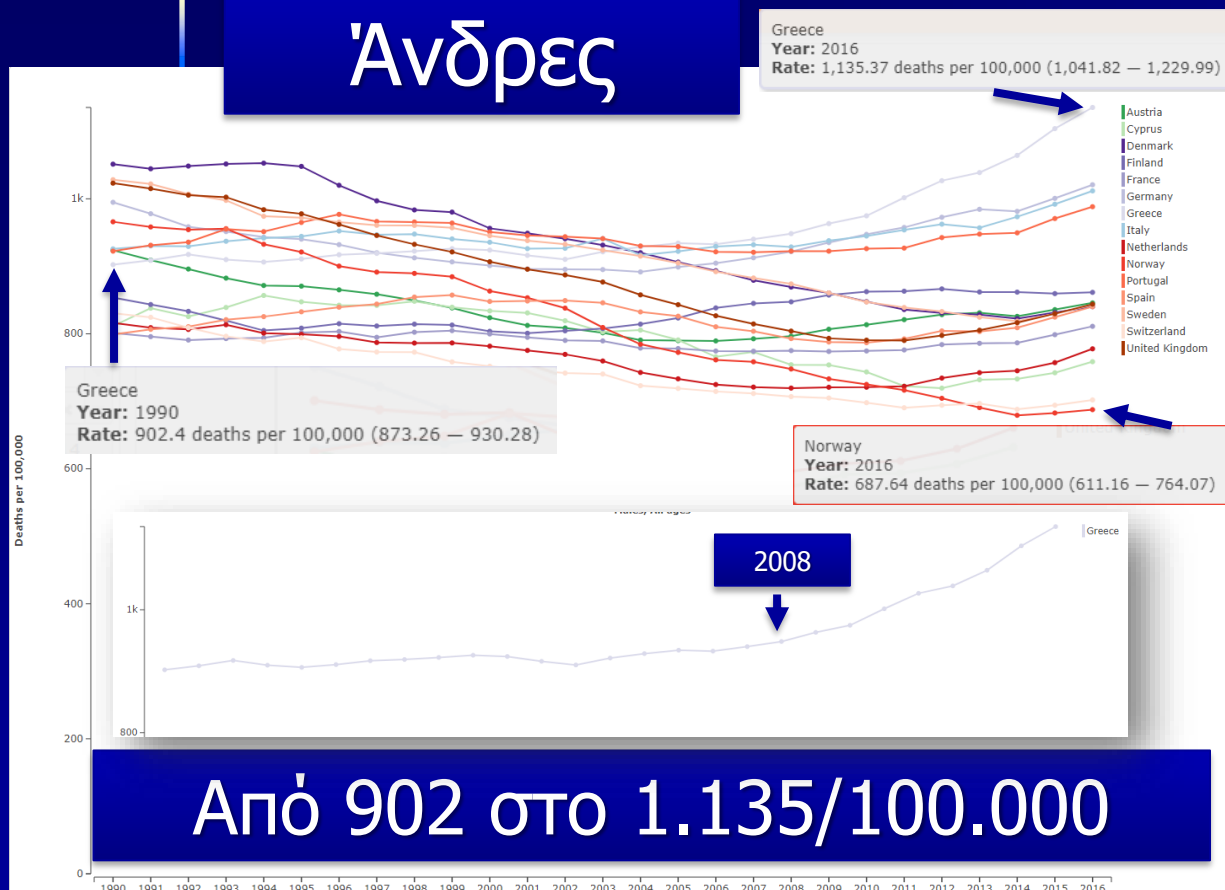


Από **3,9** (2001) σε **0** (2008)  
σε **5,4** (2016)

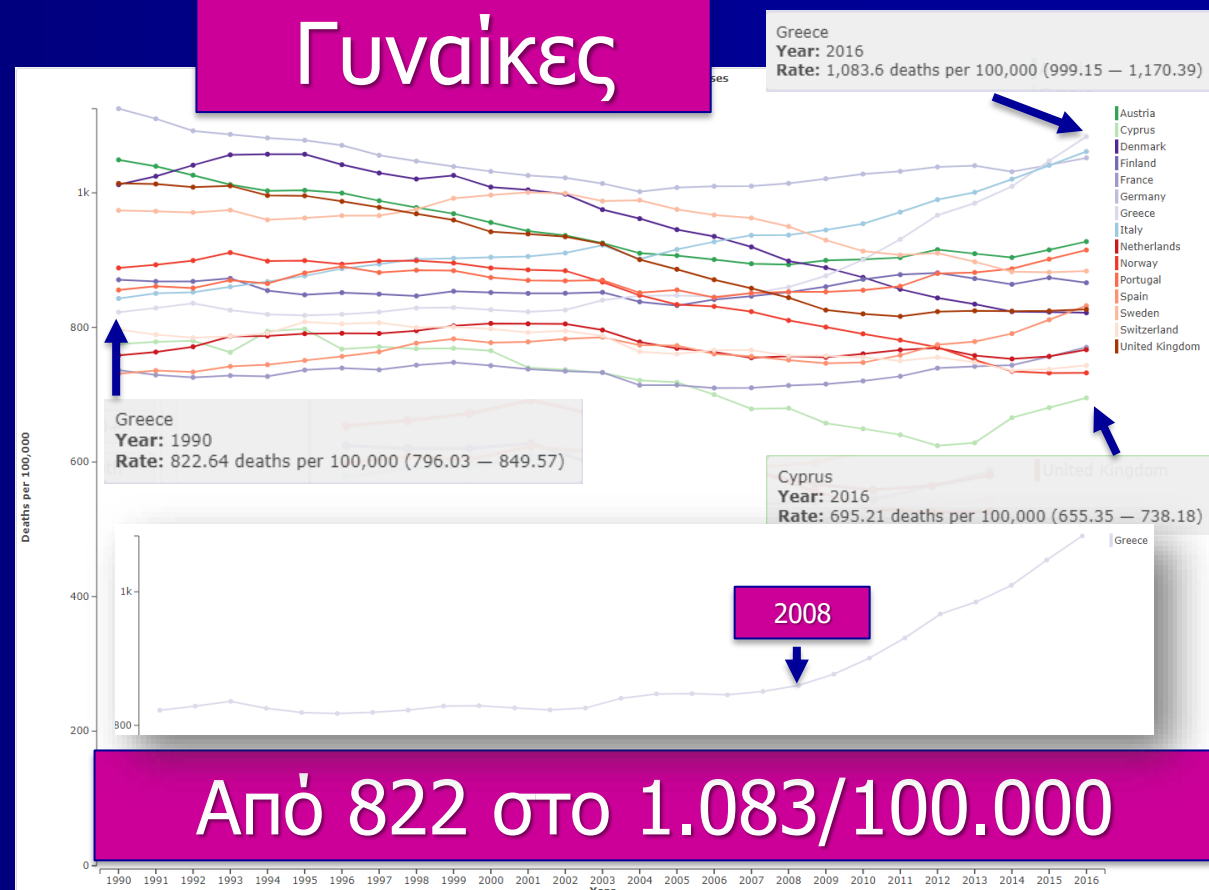


# Διαχρονική εξέλιξη της θνησιμότητας στην Ελλάδα ανά φύλο, 1990-2016

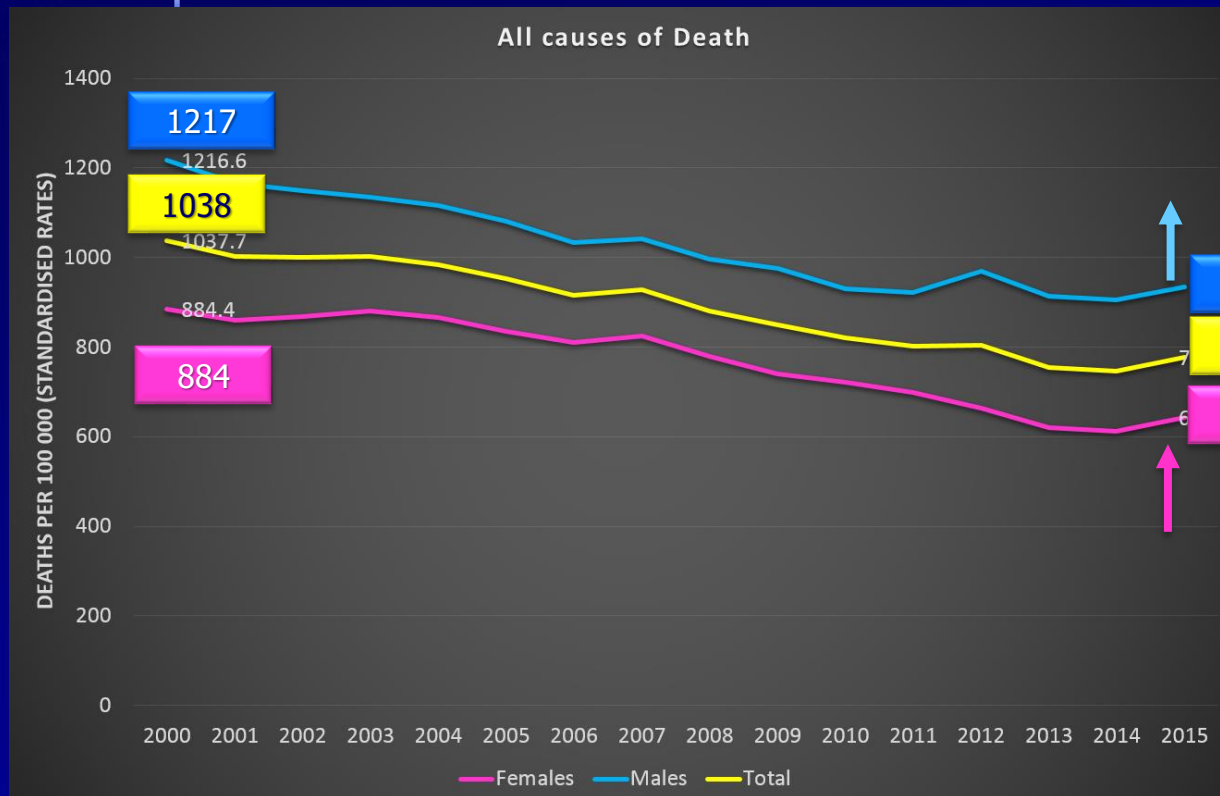
## Άνδρες



## Γυναίκες



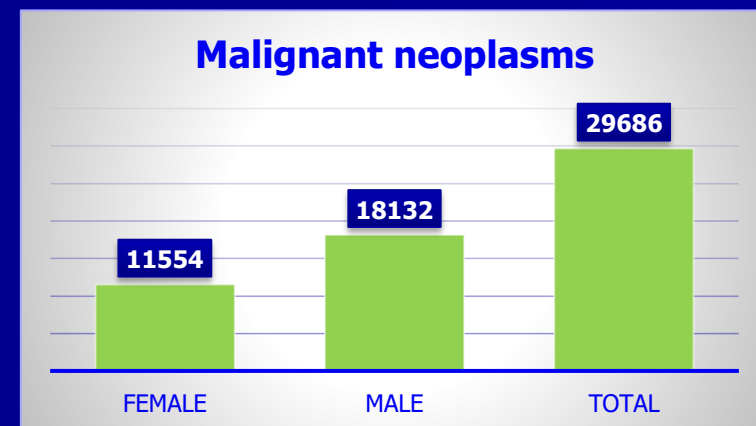
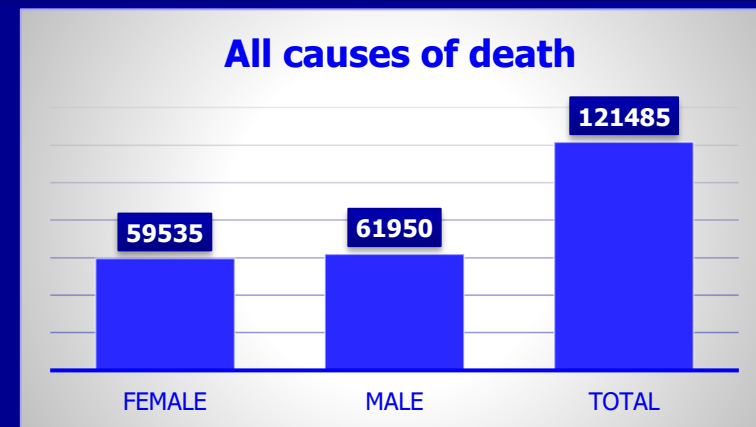
# Διαχρονική εξέλιξη της θνησιμότητας στην Ελλάδα



- Άνδρες
  - Από 1217 στο 934/100.000 (ASR)
- Γυναίκες
  - Από 884 στο 642/100.000 (ASR)
- Σύνολο
  - Από 1038 στο 777/100.000 (ASR)

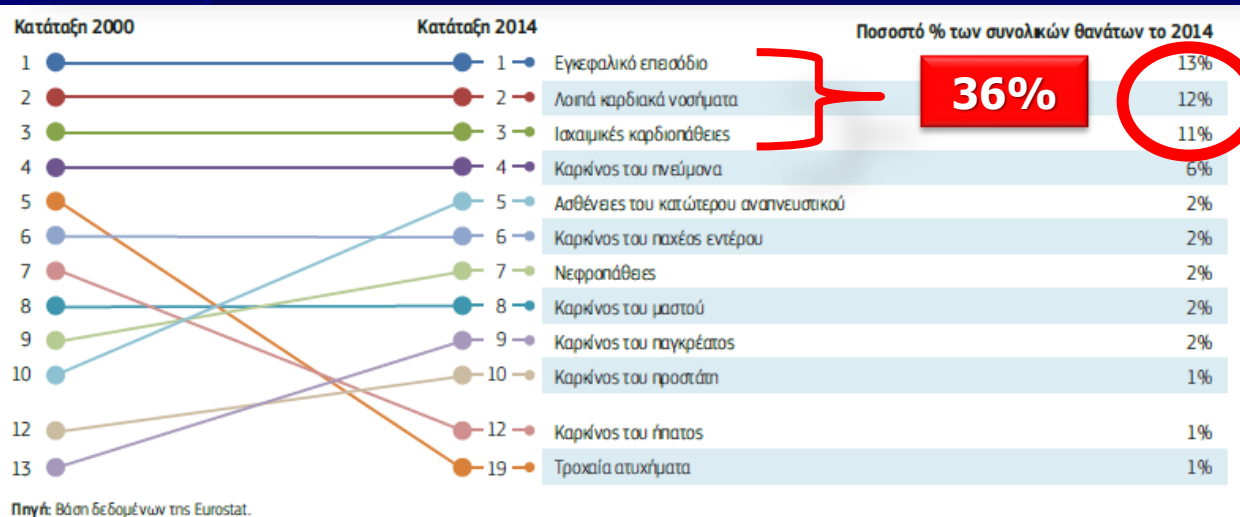
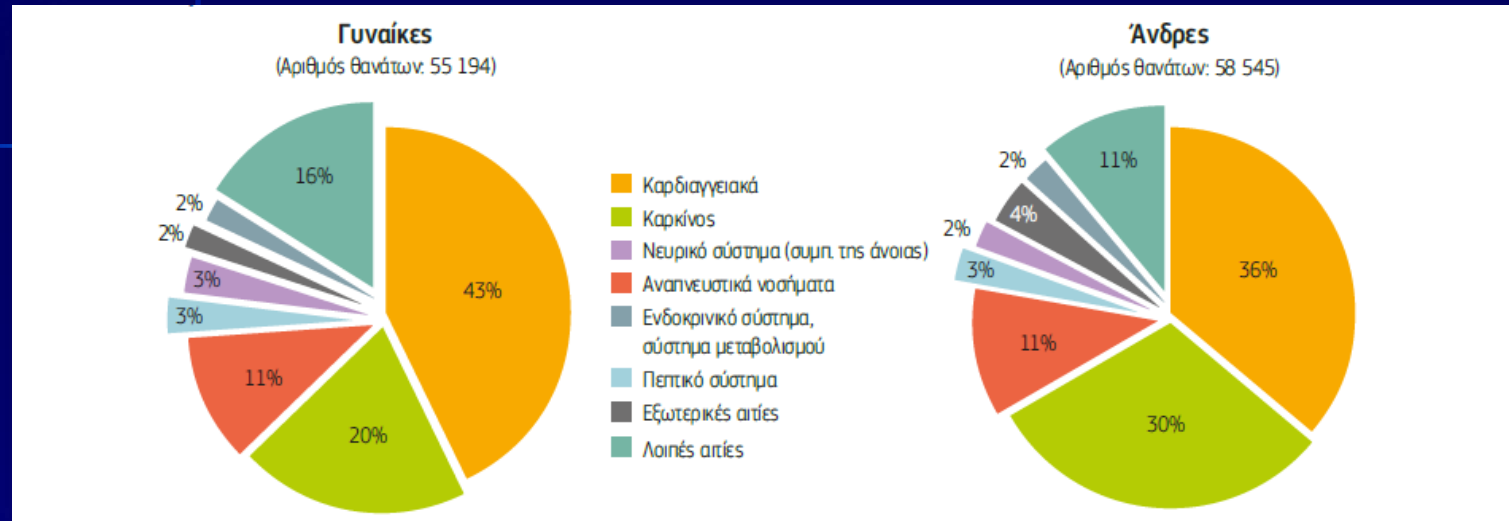
# Κύριες αιτίες θνησιμότητας στην Ελλάδα, 2015

- Ισχαιμική καρδιοπάθεια → 30350
- Αγγειακή εγκεφαλική νόσος → 19400
- **Νόσος Alzheimer** → 10000
- Καρκίνος του πνεύμονα → 7100
- ΧΑΠ → 6200
- Λοιμώξεις κατώτερου αναπνευστικού συστήματος → 3150
- Καρκίνος του παχέος εντέρου → 3000
- Χρόνια νεφρική ανεπάρκεια → 2900
- Καρκίνος του μαστού → 2500
- **Καρκίνος ήπατος** → 2200

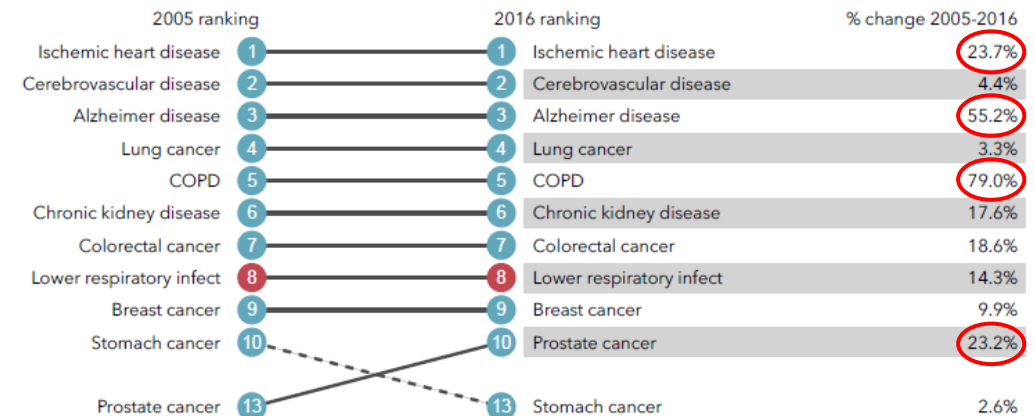


# Κύριες αιτίες θνησιμότητας στην Ελλάδα

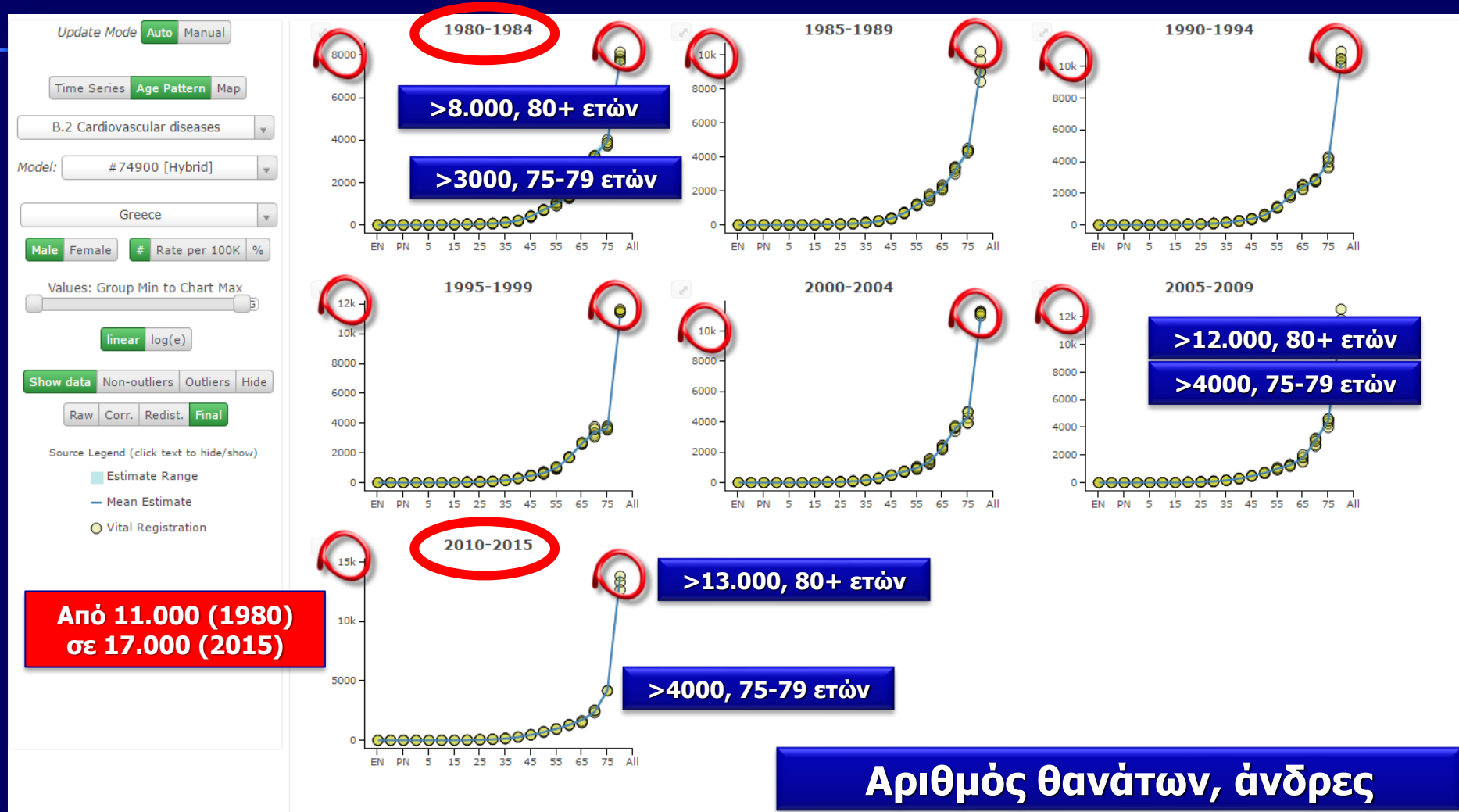
και ποσοστιαία  
μεταβολή τους  
2005-2016



## What causes the most deaths?

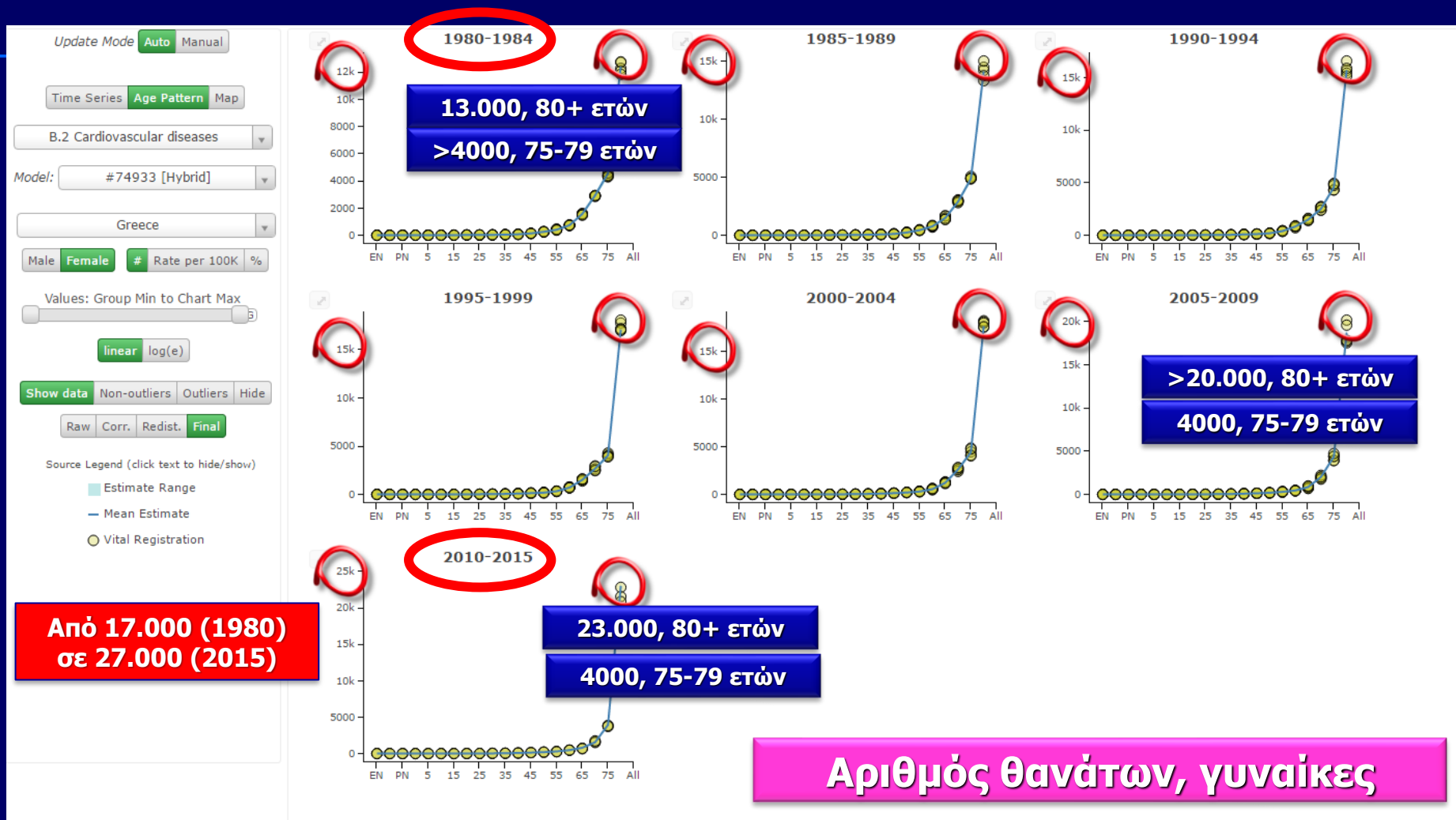


# Διαχρονική εξέλιξη θνησιμότητας στην Ελλάδα – Καρδιαγγειακά νοσήματα





# Διαχρονική εξέλιξη θνησιμότητας στην Ελλάδα – Καρδιαγγειακά νοσήματα



# Σύγκριση της θνησιμότητας στις χώρες της Ευρώπης, 2016

Άνδρες

Males, All ages, 2016, Deaths per 100,000

|                            | Andorra | Austria | Belgium | Cyprus | Denmark | Finland | France | Germany | Greece | Iceland | Ireland | Israel | Italy | Luxembourg | Malta | Netherlands | Norway | Portugal | Spain | Sweden | Switzerland | UK |
|----------------------------|---------|---------|---------|--------|---------|---------|--------|---------|--------|---------|---------|--------|-------|------------|-------|-------------|--------|----------|-------|--------|-------------|----|
| Ischemic heart disease     | 1       | 1       | 1       | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1      | 1     | 1          | 1     | 1           | 1      | 1        | 1     | 1      | 1           | 1  |
| Stroke                     | 4       | 4       | 5       | 4      | 3       | 3       | 4      | 3       | 2      | 3       | 5       | 4      | 4     | 3          | 3     | 4           | 3      | 2        | 5     | 2      | 4           | 3  |
| Lung cancer                | 3       | 3       | 2       | 3      | 2       | 4       | 2      | 2       | 3      | 4       | 2       | 3      | 3     | 2          | 2     | 2           | 4      | 5        | 4     | 5      | 3           | 2  |
| Alzheimer disease          | 2       | 2       | 3       | 2      | 6       | 2       | 3      | 4       | 4      | 2       | 4       | 2      | 2     | 4          | 4     | 5           | 2      | 3        | 2     | 3      | 2           | 5  |
| COPD                       | 5       | 5       | 4       | 6      | 4       | 6       | 9      | 5       | 5      | 7       | 3       | 8      | 5     | 5          | 5     | 3           | 6      | 6        | 3     | 7      | 6           | 4  |
| Prostate cancer            | 6       | 6       | 7       | 7      | 5       | 5       | 5      | 6       | 5      | 5       | 6       | 10     | 7     | 7          | 9     | 8           | 5      | 8        | 7     | 4      | 5           | 7  |
| Colorectal cancer          | 8       | 7       | 8       | 9      | 7       | 8       | 6      | 7       | 7      | 8       | 7       | 9      | 6     | 6          | 7     | 7           | 7      | 7        | 6     | 6      | 8           | 8  |
| Chronic kidney disease     | 23      | 10      | 11      | 8      | 13      | 26      | 15     | 9       | 8      | 18      | 10      | 5      | 12    | 13         | 10    | 16          | 15     | 11       | 9     | 15     | 13          | 20 |
| Lower respiratory infect   | 7       | 26      | 6       | 11     | 8       | 12      | 7      | 8       | 9      | 6       | 8       | 7      | 15    | 9          | 6     | 6           | 8      | 4        | 8     | 8      | 9           | 6  |
| Stomach cancer             | 12      | 14      | 15      | 13     | 19      | 17      | 17     | 14      | 10     | 13      | 12      | 14     | 9     | 15         | 12    | 12          | 17     | 10       | 11    | 19     | 20          | 12 |
| Bladder cancer             | 15      | 20      | 14      | 15     | 15      | 27      | 16     | 21      | 11     | 21      | 25      | 17     | 13    | 19         | 13    | 15          | 16     | 17       | 10    | 17     | 17          | 15 |
| Road injuries              | 30      | 28      | 16      | 10     | 29      | 31      | 23     | 32      | 12     | 27      | 27      | 13     | 17    | 20         | 33    | 27          | 30     | 15       | 24    | 32     | 28          | 31 |
| Liver cancer               | 25      | 18      | 24      | 20     | 25      | 18      | 11     | 20      | 13     | 25      | 28      | 25     | 10    | 17         | 27    | 26          | 32     | 18       | 14    | 23     | 16          | 26 |
| Pancreatic cancer          | 11      | 11      | 13      | 14     | 12      | 10      | 14     | 13      | 14     | 10      | 11      | 11     | 14    | 11         | 11    | 9           | 11     | 16       | 15    | 12     | 12          | 11 |
| Leukemia                   | 16      | 19      | 19      | 16     | 17      | 23      | 18     | 17      | 15     | 19      | 15      | 16     | 16    | 16         | 16    | 19          | 20     | 20       | 20    | 20     | 24          | 16 |
| Aortic aneurysm            | 10      | 34      | 22      | 18     | 16      | 14      | 29     | 31      | 16     | 26      | 17      | 36     | 26    | 28         | 28    | 20          | 13     | 33       | 25    | 16     | 22          | 13 |
| Hypertensive heart disease | 33      | 17      | 44      | 21     | 44      | 24      | 37     | 15      | 17     | 29      | 41      | 43     | 11    | 32         | 25    | 46          | 45     | 28       | 32    | 29     | 18          | 36 |
| Atrial fibrillation        | 19      | 23      | 25      | 26     | 26      | 28      | 26     | 26      | 18     | 22      | 26      | 23     | 22    | 26         | 21    | 25          | 22     | 29       | 22    | 13     | 26          | 17 |
| Brain cancer               | 24      | 32      | 29      | 29     | 23      | 32      | 31     | 30      | 19     | 15      | 23      | 21     | 29    | 23         | 24    | 28          | 23     | 24       | 29    | 28     | 27          | 29 |
| Diabetes                   | 18      | 9       | 17      | 5      | 9       | 30      | 13     | 11      | 20     | 17      | 14      | 6      | 8     | 18         | 8     | 13          | 14     | 9        | 13    | 10     | 11          | 28 |
| Parkinson disease          | 22      | 22      | 23      | 24     | 28      | 19      | 25     | 27      | 21     | 23      | 29      | 22     | 25    | 24         | 22    | 22          | 28     | 26       | 21    | 21     | 19          | 25 |
| Other cardiovascular       | 9       | 15      | 10      | 12     | 14      | 13      | 10     | 10      | 22     | 11      | 16      | 15     | 19    | 8          | 14    | 10          | 12     | 13       | 12    | 11     | 14          | 10 |
| Other neoplasms            | 20      | 21      | 18      | 22     | 22      | 21      | 20     | 22      | 23     | 20      | 18      | 19     | 20    | 22         | 17    | 18          | 19     | 19       | 18    | 18     | 15          | 19 |
| Kidney cancer              | 27      | 30      | 26      | 34     | 24      | 22      | 24     | 23      | 24     | 12      | 22      | 28     | 28    | 36         | 23    | 21          | 21     | 35       | 30    | 22     | 29          | 27 |
| Self-harm                  | 13      | 8       | 9       | 19     | 11      | 7       | 8      | 12      | 25     | 9       | 9       | 12     | 23    | 10         | 18    | 14          | 9      | 12       | 17    | 9      | 7           | 14 |

Γυναίκες

Females, All ages, 2016, Deaths per 100,000

|                            | Andorra | Austria | Belgium | Cyprus | Denmark | Finland | France | Germany | Greece | Iceland | Ireland | Israel | Italy | Luxembourg | Malta | Netherlands | Norway | Portugal | Spain | Sweden | Switzerland | UK |
|----------------------------|---------|---------|---------|--------|---------|---------|--------|---------|--------|---------|---------|--------|-------|------------|-------|-------------|--------|----------|-------|--------|-------------|----|
| Ischemic heart disease     | 2       | 1       | 2       | 1      | 1       | 1       | 2      | 1       | 2      | 1       | 1       | 1      | 2     | 1          | 1     | 2           | 1      | 1        | 2     | 1      | 1           | 2  |
| Stroke                     | 3       | 3       | 3       | 3      | 3       | 3       | 3      | 3       | 3      | 3       | 3       | 3      | 3     | 3          | 3     | 3           | 3      | 3        | 3     | 3      | 3           | 3  |
| Alzheimer disease          | 1       | 2       | 1       | 2      | 2       | 2       | 1      | 2       | 3      | 2       | 2       | 2      | 1     | 2          | 2     | 1           | 2      | 3        | 1     | 2      | 2           | 1  |
| COPD                       | 6       | 5       | 4       | 5      | 4       | 13      | 8      | 4       | 4      | 5       | 4       | 9      | 7     | 5          | 9     | 5           | 4      | 5        | 4     | 4      | 6           | 5  |
| Breast cancer              | 5       | 4       | 5       | 6      | 6       | 4       | 4      | 5       | 5      | 7       | 7       | 5      | 5     | 6          | 4     | 7           | 8      | 7        | 5     | 6      | 4           | 7  |
| Chronic kidney disease     | 18      | 7       | 10      | 7      | 15      | 17      | 14     | 10      | 6      | 14      | 12      | 6      | 10    | 10         | 8     | 13          | 15     | 9        | 8     | 16     | 11          | 16 |
| Lung cancer                | 9       | 6       | 8       | 12     | 5       | 5       | 9      | 8       | 7      | 4       | 5       | 10     | 9     | 7          | 13    | 4           | 5      | 12       | 12    | 5      | 5           | 6  |
| Colorectal cancer          | 8       | 11      | 9       | 11     | 8       | 7       | 9      | 8       | 8      | 8       | 8       | 8      | 8     | 8          | 7     | 8           | 7      | 8        | 6     | 7      | 12          | 8  |
| Lower respiratory infect   | 4       | 19      | 6       | 10     | 7       | 10      | 6      | 12      | 9      | 6       | 6       | 7      | 17    | 9          | 5     | 6           | 6      | 4        | 10    | 8      | 9           | 4  |
| Hypertensive heart disease | 25      | 8       | 22      | 9      | 33      | 11      | 17     | 7       | 10     | 19      | 30      | 26     | 4     | 16         | 18    | 26          | 30     | 13       | 13    | 17     | 10          | 25 |
| Pancreatic cancer          | 12      | 13      | 14      | 16     | 11      | 8       | 13     | 13      | 11     | 10      | 11      | 12     | 12    | 11         | 11    | 10          | 11     | 15       | 14    | 11     | 14          | 11 |
| Atrial fibrillation        | 10      | 14      | 12      | 14     | 14      | 12      | 12     | 14      | 12     | 11      | 13      | 14     | 14    | 15         | 14    | 16          | 14     | 16       | 11    | 9      | 17          | 10 |
| Other cardiovascular       | 7       | 9       | 7       | 8      | 9       | 6       | 5      | 6       | 13     | 9       | 9       | 11     | 11    | 11         | 4     | 10          | 9      | 9        | 10    | 7      | 7           | 9  |
| Stomach cancer             | 19      | 18      | 21      | 18     | 22      | 18      | 21     | 17      | 14     | 17      | 16      | 20     | 15    | 20         | 20    | 18          | 20     | 11       | 17    | 20     | 24          | 18 |
| Cardiomyopathy             | 23      | 12      | 17      | 25     | 40      | 23      | 18     | 18      | 15     | 39      | 19      | 38     | 13    | 19         | 19    | 20          | 25     | 19       | 15    | 24     | 22          | 26 |
| Ovarian cancer             | 11      | 16      | 15      | 15     | 12      | 14      | 15     | 16      | 16     | 13      | 10      | 15     | 18    | 13         | 12    | 14          | 12     | 18       | 19    | 13     | 16          | 12 |
| Diabetes                   | 15      | 10      | 13      | 4      | 10      | 22      | 11     | 11      | 17     | 21      | 14      | 4      | 6     | 14         | 6     | 11          | 13     | 6        | 9     | 12     | 13          | 20 |
| Leukemia                   | 22      | 21      | 20      | 20     | 17      | 24      | 19     | 20      | 18     | 20      | 18      | 17     | 21    | 18         | 22    | 19          | 21     | 20       | 23    | 21     | 25          | 19 |
| Liver cancer               | 35      | 27      | 32      | 32     | 43      | 28      | 26     | 31      | 19     | 33      | 32      | 27     | 19    | 26         | 33    | 35          | 37     | 28       | 24    | 30     | 28          | 28 |
| Brain cancer               | 27      | 31      | 38      | 31     | 20      | 29      | 42     | 30      | 20     | 16      | 24      | 23     | 29    | 24         | 27    | 34          | 24     | 25       | 32    | 32     | 31          | 34 |
| Parkinson disease          | 20      | 23      | 23      | 26     | 26      | 19      | 22     | 23      | 21     | 23      | 25      | 25     | 22    | 23         | 25    | 21          | 26     | 23       | 21    | 22     | 19          | 24 |
| Aortic aneurysm            | 16      | 33      | 36      | 33     | 21      | 20      | 43     | 36      | 22     | 27      | 21      | 48     | 34    | 32         | 42    | 24          | 17     | 42       | 42    | 18     | 26          | 17 |
| Other neoplasms            | 14      | 17      | 16      | 19     | 16      | 15      | 16     | 19      | 23     | 15      | 15      | 16     | 20    | 17         | 16    | 17          | 18     | 17       | 16    | 15     | 15          | 15 |
| Cervical cancer            | 32      | 29      | 34      | 36     | 28      | 46      | 33     | 35      | 24     | 36      | 27      | 28     | 35    | 31         | 29    | 42          | 29     | 27       | 36    | 27     | 41          | 37 |
| Ileus & obstruction        | 28      | 44      | 31      | 34     | 32      | 36      | 25     | 32      | 25     | 37      | 47      | 36     | 28    | 30         | 32    | 27          | 36     | 41       | 33    | 37     | 32          | 38 |



European Heart Journal (2018) 39, 1–10  
doi:10.1093/eurheartj/ehy378

CLINICAL RESEARCH  
Prevention and epidemiology

## Epidemiology report: trends in sex-specific cerebrovascular disease mortality in Europe based on WHO mortality data

Rushabh Shah<sup>1</sup>, Elizabeth Wilkins<sup>1</sup>, Melanie Nichols<sup>2</sup>, Paul Kelly<sup>3</sup>, Farah El-Sadi<sup>1</sup>, F. Lucy Wright<sup>4</sup>, and Nick Townsend<sup>1,5\*</sup>

# Διαχρονική εξέλιξη θνησιμότητας στην Ελλάδα – Αγγειακά Εγκεφαλικά Νοσήματα

## Άνδρες

|               | Data years           | Total population | Total deaths  | Stroke deaths | Stroke deaths (% of total) | Stroke ASDR (per 100,000) |
|---------------|----------------------|------------------|---------------|---------------|----------------------------|---------------------------|
| Austria       | 1980-2014            | 4,176,550        | 37,424        | 2,561         | 6.84                       | 61                        |
| Belgium       | 1980-2012            | 5,451,780        | 53,830        | 2,832         | 5.26                       | 71                        |
| Cyprus        | 1999-2000, 2004-2012 | 420,010          | 2,888         | 174           | 6.02                       | 79                        |
| Denmark       | 1980-2012            | 2,771,208        | 25,458        | 1,499         | 5.89                       | 92                        |
| Finland       | 1980-2013            | 2,673,493        | 25,864        | 1,843         | 7.13                       | 95                        |
| France        | 1980-2011            | 30,780,362       | 279,954       | 13,386        | 4.78                       | 57                        |
| Germany       | 1990-2013            | 39,469,105       | 429,645       | 23,167        | 5.39                       | 72                        |
| <b>Greece</b> | <b>1980-2012</b>     | <b>5,431,556</b> | <b>60,135</b> | <b>6,674</b>  | <b>11.10</b>               | <b>203</b>                |
| Iceland       | 1981-2009            | 161,548          | 1,049         | 75            | 7.15                       | 88                        |
| Ireland       | 1980-2009, 2011-2012 | 2,269,612        | 14,958        | 773           | 5.17                       | 72                        |
| Israel        | 1980-2013            | 4,070,269        | 21,024        | 1,064         | 5.06                       | 55                        |
| Italy         | 1980-2003, 2004-2005 | 28,808,103       | 295,820       | 23,950        | 8.10                       | 96                        |
| Luxembourg    | 1980-2014            | 278,544          | 1,919         | 85            | 4.43                       | 53                        |
| Malta         | 1980-2014            | 213,607          | 1,655         | 116           | 7.01                       | 84                        |
| Netherlands   | 1980-2014            | 8,320,862        | 67,121        | 3,718         | 5.54                       | 68                        |
| Norway        | 1980-2014            | 2,583,129        | 19,685        | 1,114         | 5.66                       | 66                        |
| Portugal      | 1980-2003, 2007-2014 | 4,976,859        | 53,484        | 5,362         | 10.03                      | 134                       |
| San Marino    | 1995-2000, 2005      | 14,637           | 105           | 9             | 8.57                       | 109                       |
| Spain         | 1980-2014            | 22,840,092       | 201,571       | 11,573        | 5.74                       | 62                        |
| Sweden        | 1980-2014            | 4,843,299        | 43,440        | 2,857         | 6.58                       | 73                        |
| Switzerland   | 1980-2013            | 3,995,308        | 31,257        | 1,465         | 4.69                       | 51                        |
| United K.     | 1980-2013            | 31,532,873       | 279,171       | 16,260        | 5.82                       | 69                        |

## Γυναίκες

|                  | Total population | Total deaths | Stroke deaths | Stroke deaths (% of total) | Stroke ASDR (per 100,000) |
|------------------|------------------|--------------|---------------|----------------------------|---------------------------|
|                  | 4,367,382        | 40,828       | 4,860         | 11.90                      | 56                        |
|                  | 5,643,070        | 55,246       | 4,177         | 7.56                       | 62                        |
|                  | 443,932          | 2,384        | 226           | 9.48                       | 78                        |
|                  | 2,815,877        | 25,535       | 1,847         | 7.23                       | 64                        |
|                  | 2,765,479        | 26,545       | 2,576         | 9.70                       | 76                        |
|                  | 32,738,715       | 276,077      | 18,377        | 6.66                       | 44                        |
|                  | 41,176,500       | 464,180      | 35,389        | 7.62                       | 64                        |
| <b>5,661,227</b> | <b>56,533</b>    | <b>9,194</b> | <b>16.26</b>  | <b>136</b>                 |                           |
|                  | 157,698          | 999          | 84            | 8.41                       | 72                        |
|                  | 2,315,795        | 14,546       | 1,162         | 7.99                       | 72                        |
|                  | 4,145,398        | 21,146       | 1,265         | 5.98                       | 46                        |
|                  | 30,731,623       | 317,687      | 37,303        | 11.74                      | 83                        |
|                  | 277,775          | 1,786        | 139           | 7.78                       | 52                        |
|                  | 213,814          | 1,615        | 160           | 9.91                       | 78                        |
|                  | 8,483,570        | 72,102       | 5,618         | 7.79                       | 64                        |
|                  | 2,554,300        | 20,659       | 1,591         | 7.70                       | 59                        |
|                  | 5,480,437        | 51,720       | 6,910         | 13.36                      | 102                       |
|                  | 15,205           | 83           | 7             | 8.43                       | 55                        |
|                  | 23,615,035       | 194,259      | 16,006        | 8.24                       | 52                        |
|                  | 4,852,811        | 45,622       | 3,731         | 8.18                       | 62                        |
|                  | 4,094,038        | 33,704       | 2,238         | 6.64                       | 47                        |
|                  | 32,572,781       | 297,287      | 16,197        | 5.45                       | 47                        |

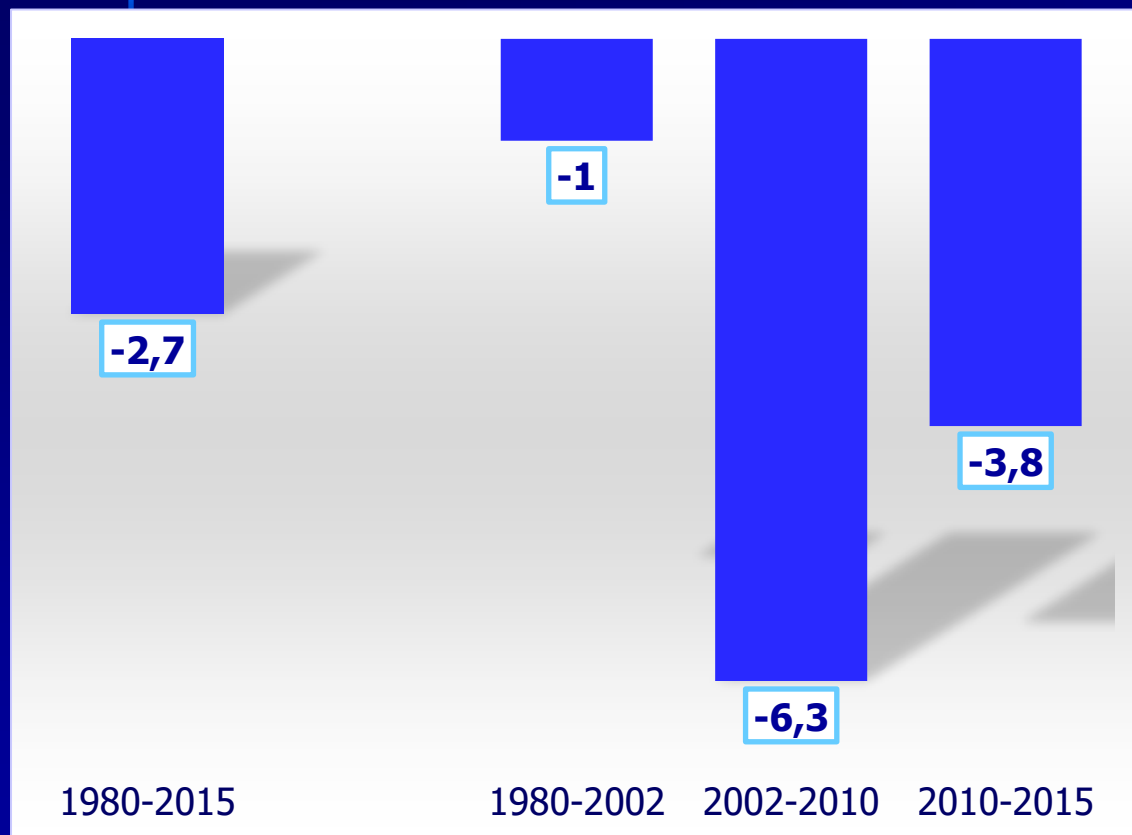
Source: Supplementary Table 1: Overview of data availability and numbers of deaths and population in latest available year by country and sex

Epidemiology report: trends in sex-specific  
cerebrovascular disease mortality in Europe  
based on WHO mortality data

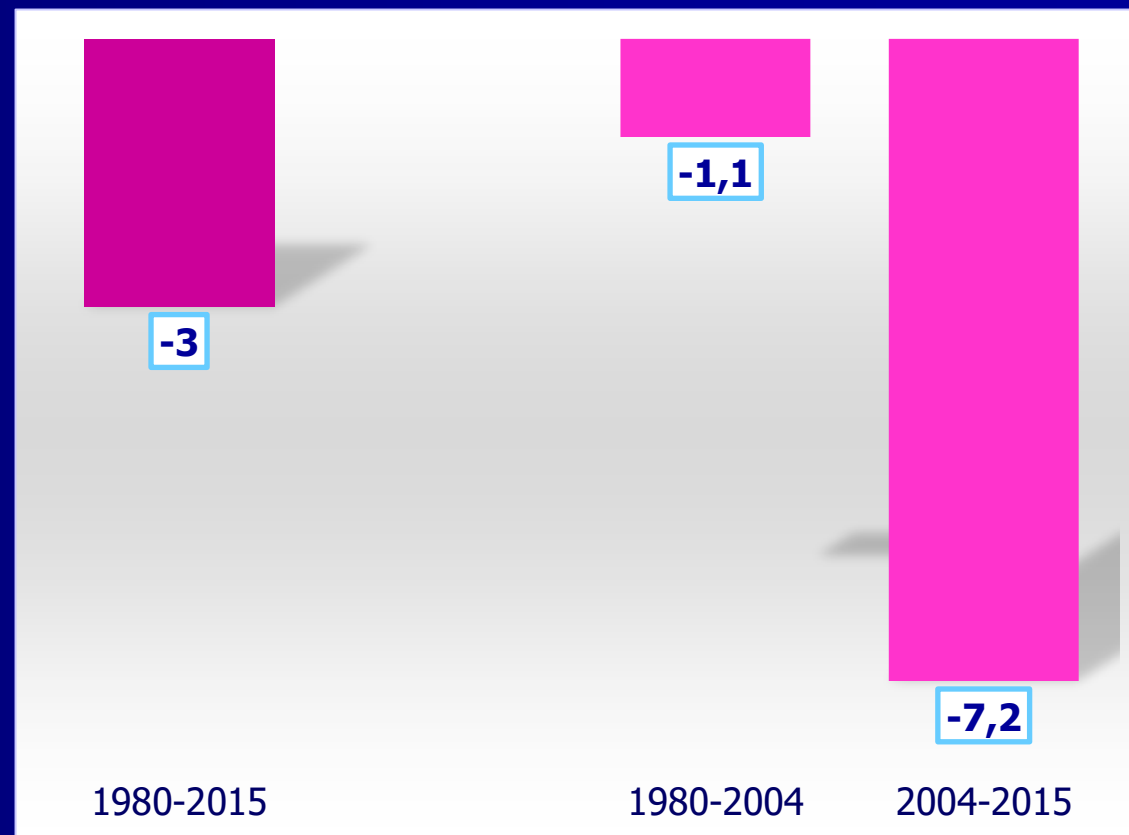
Rushabh Shah<sup>1</sup>, Elizabeth Wilkins<sup>1</sup>, Melanie Nichols<sup>2</sup>, Paul Kelly<sup>3</sup>, Farah El-Sadi<sup>1</sup>,  
F. Lucy Wright<sup>4</sup>, and Nick Townsend<sup>1,5\*</sup>

# Αγγειακά Εγκεφαλικά Νοσήματα - Μέση ετήσια μείωση θανάτων, 1980-2015

Άνδρες



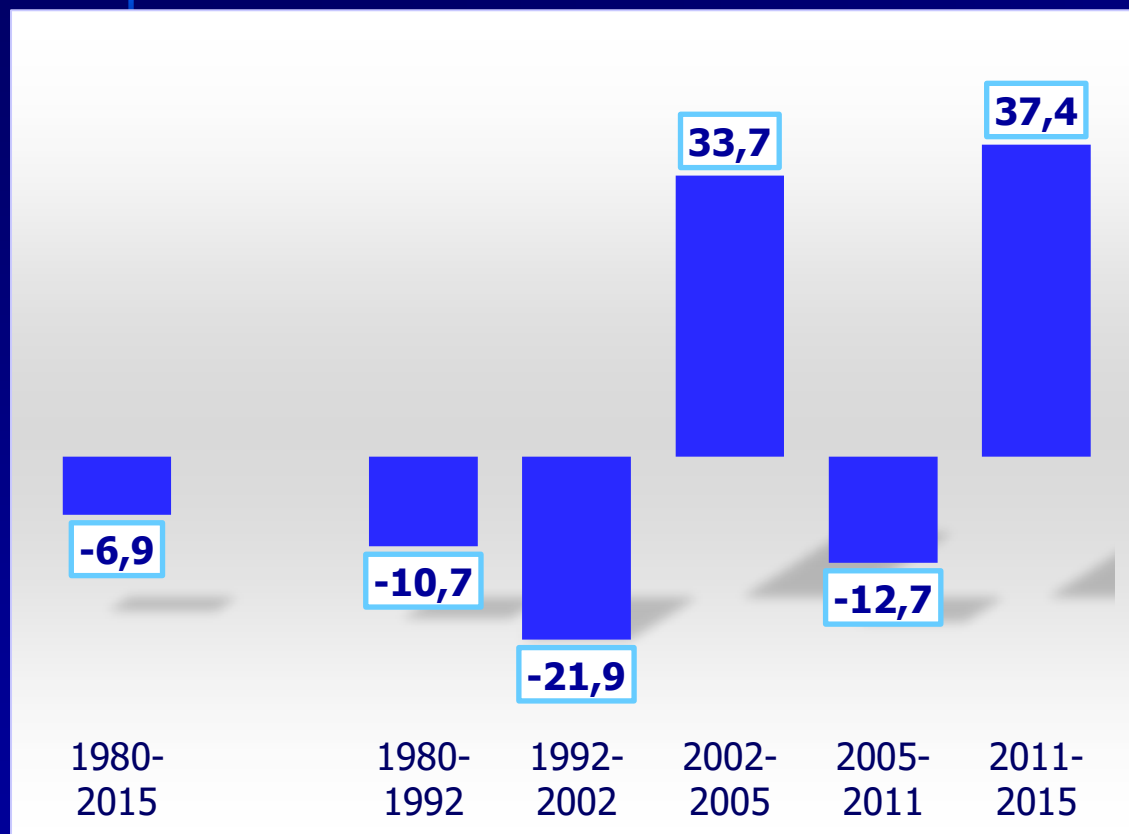
Γυναίκες



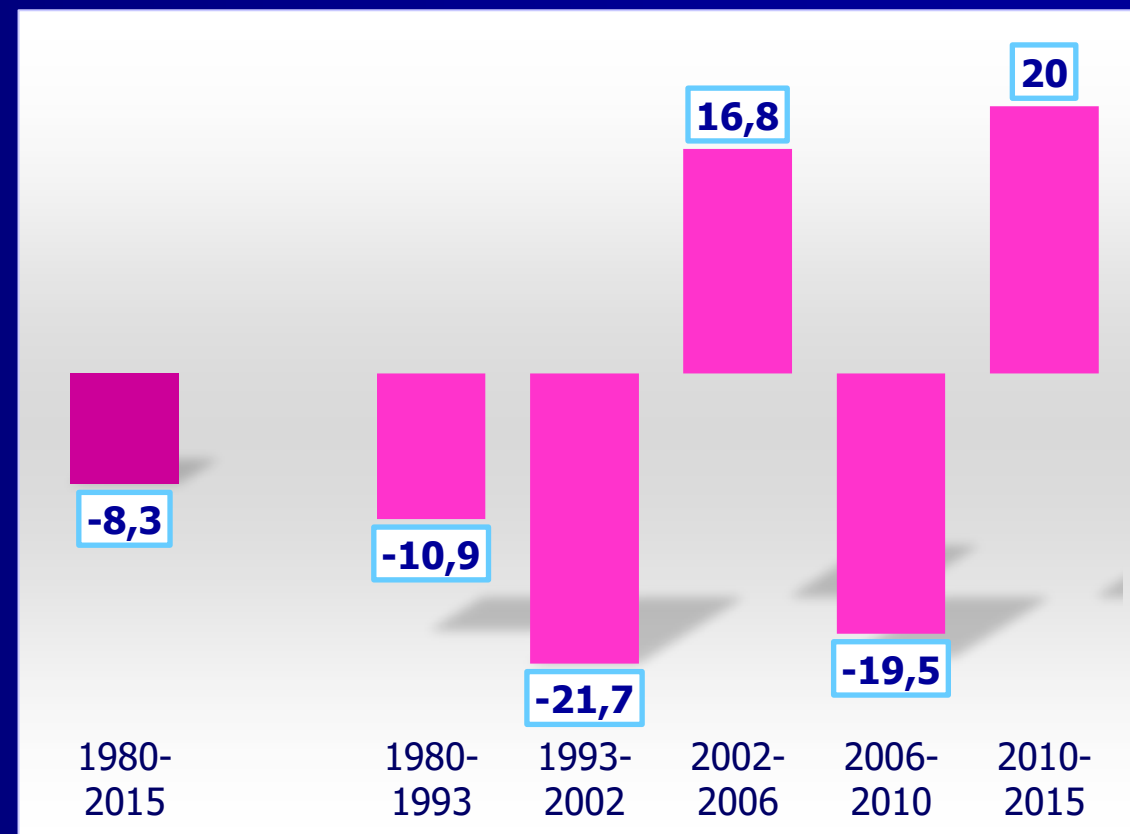
**Epidemiology report: trends in sex-specific cerebrovascular disease mortality in Europe based on WHO mortality data**Rushabh Shah<sup>1</sup>, Elizabeth Wilkins<sup>1</sup>, Melanie Nichols<sup>2</sup>, Paul Kelly<sup>3</sup>, Farah El-Sadi<sup>1</sup>, F. Lucy Wright<sup>4</sup>, and Nick Townsend<sup>1,5\*</sup>

# Ισχαιμικά Εγκεφαλικά – Μέση ετήσια μεταβολή θανάτων, 1980-2015

## Άνδρες



## Γυναίκες

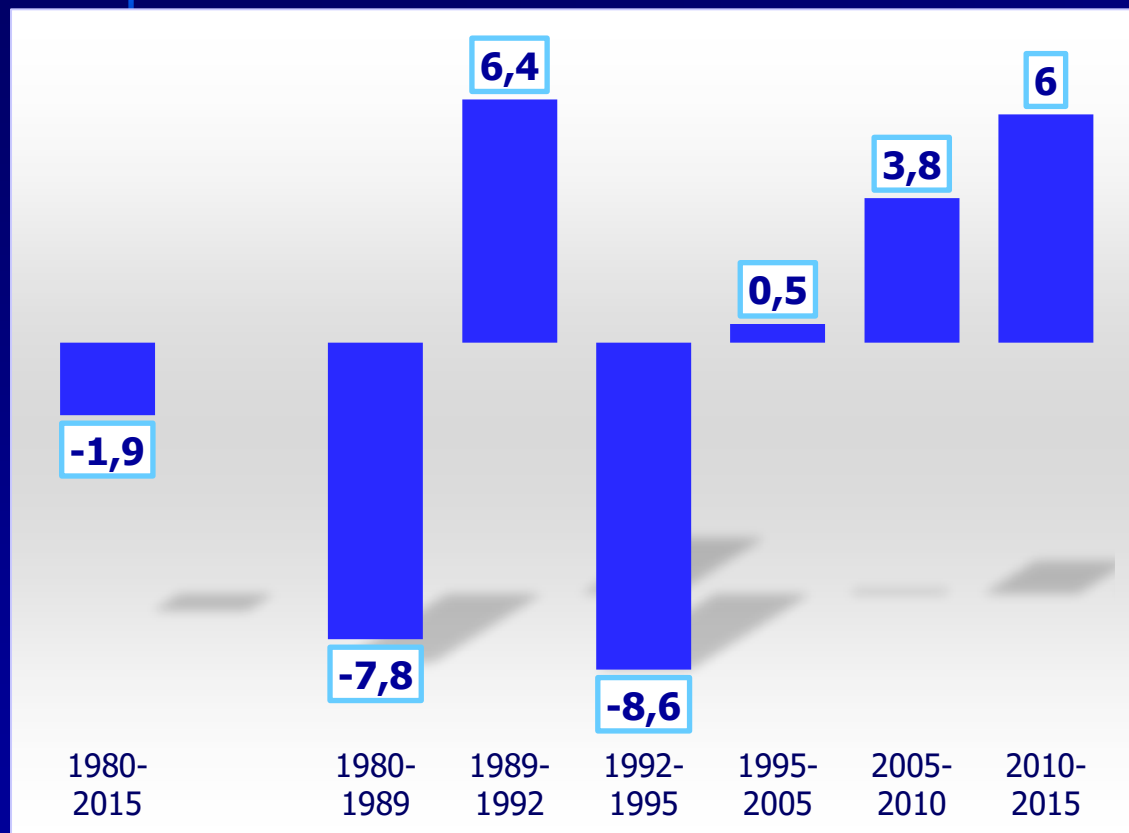




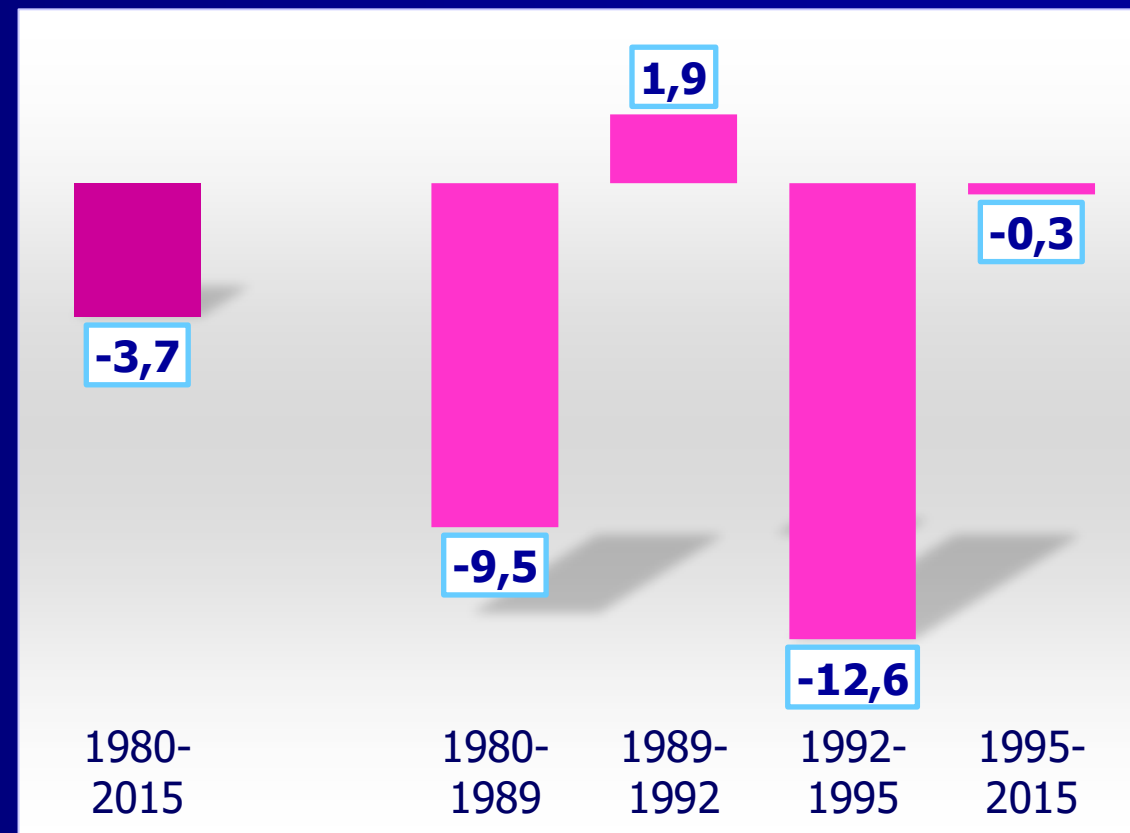
**Epidemiology report: trends in sex-specific cerebrovascular disease mortality in Europe based on WHO mortality data**Rushabh Shah<sup>1</sup>, Elizabeth Wilkins<sup>1</sup>, Melanie Nichols<sup>2</sup>, Paul Kelly<sup>3</sup>, Farah El-Sadi<sup>1</sup>, F. Lucy Wright<sup>4</sup>, and Nick Townsend<sup>1,5\*</sup>

# Αιμορραγικά Εγκεφαλικά – Μέση ετήσια μεταβολή θανάτων, 1980-2015

## Άνδρες



## Γυναίκες

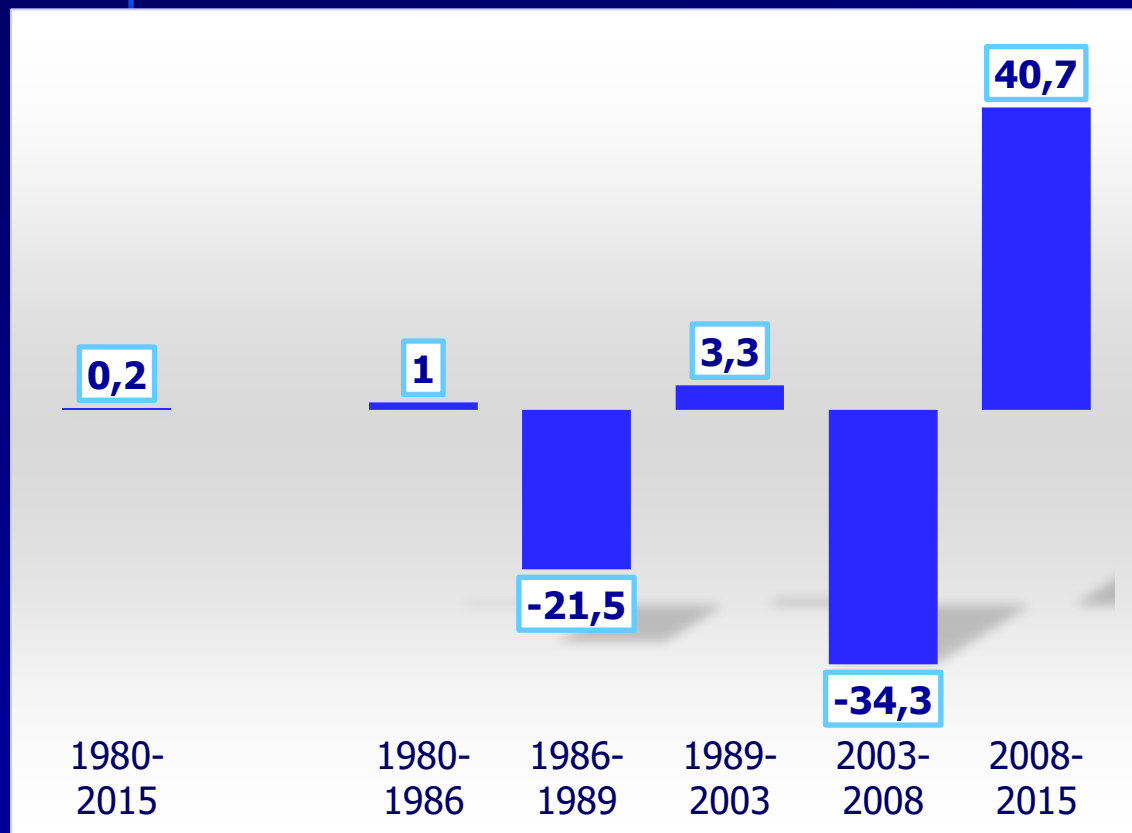


Epidemiology report: trends in sex-specific  
cerebrovascular disease mortality in Europe  
based on WHO mortality data

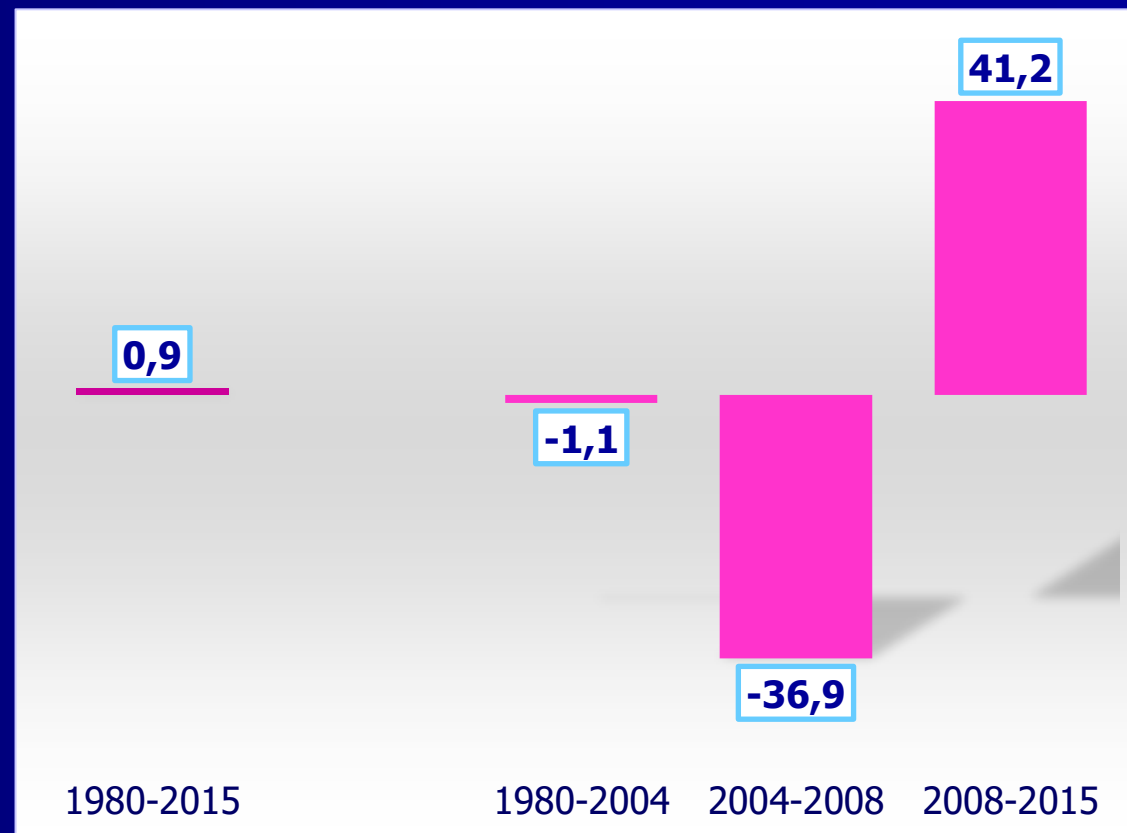
Rushabh Shah<sup>1</sup>, Elizabeth Wilkins<sup>1</sup>, Melanie Nichols<sup>2</sup>, Paul Kelly<sup>3</sup>, Farah El-Sadi<sup>1</sup>,  
F. Lucy Wright<sup>4</sup>, and Nick Townsend<sup>1,5\*</sup>

# Υπο-αραχνοειδούς Αιμορραγία – Μέση ετήσια μεταβολή θανάτων, 1980-2015

## Άνδρες



## Γυναίκες



# Το φορτίο της νοσηρότητας στην Ελλάδα

## The burden of disease in Greece, health loss, risk factors, and health financing, 2000–16: an analysis of the Global Burden of Disease Study 2016

*Global Burden of Disease 2016 Greece Collaborators\**

### Summary

**Background** Following the economic crisis in Greece in 2010, the country's ongoing austerity measures include a substantial contraction of health-care expenditure, with reports of subsequent negative health consequences. A comprehensive evaluation of mortality and morbidity is required to understand the current challenges of public health in Greece.

**Methods** We used the results of the Global Burden of Diseases, Injuries, and Risk Factors Study (GBD) 2016 to describe the patterns of death and disability among those living in Greece from 2000 to 2010 (pre-austerity) and 2010 to 2016 (post-austerity), and compared trends in health outcomes and health expenditure to those in Cyprus and western Europe. We estimated all-cause mortality from vital registration data, and we calculated cause-specific deaths and years of life lost. Age-standardised mortality rates were compared using the annualised rate of change (ARC). Mortality risk factors were assessed using a comparative risk assessment framework for 84 risk factors and clusters to calculative summary exposure values and population attributable fraction statistics. We assessed the association between trends in total, government, out-of-pocket, and prepaid public health expenditure and all-cause mortality with a segmented correlation analysis.

*Lancet Public Health* 2018;  
3: e395–406

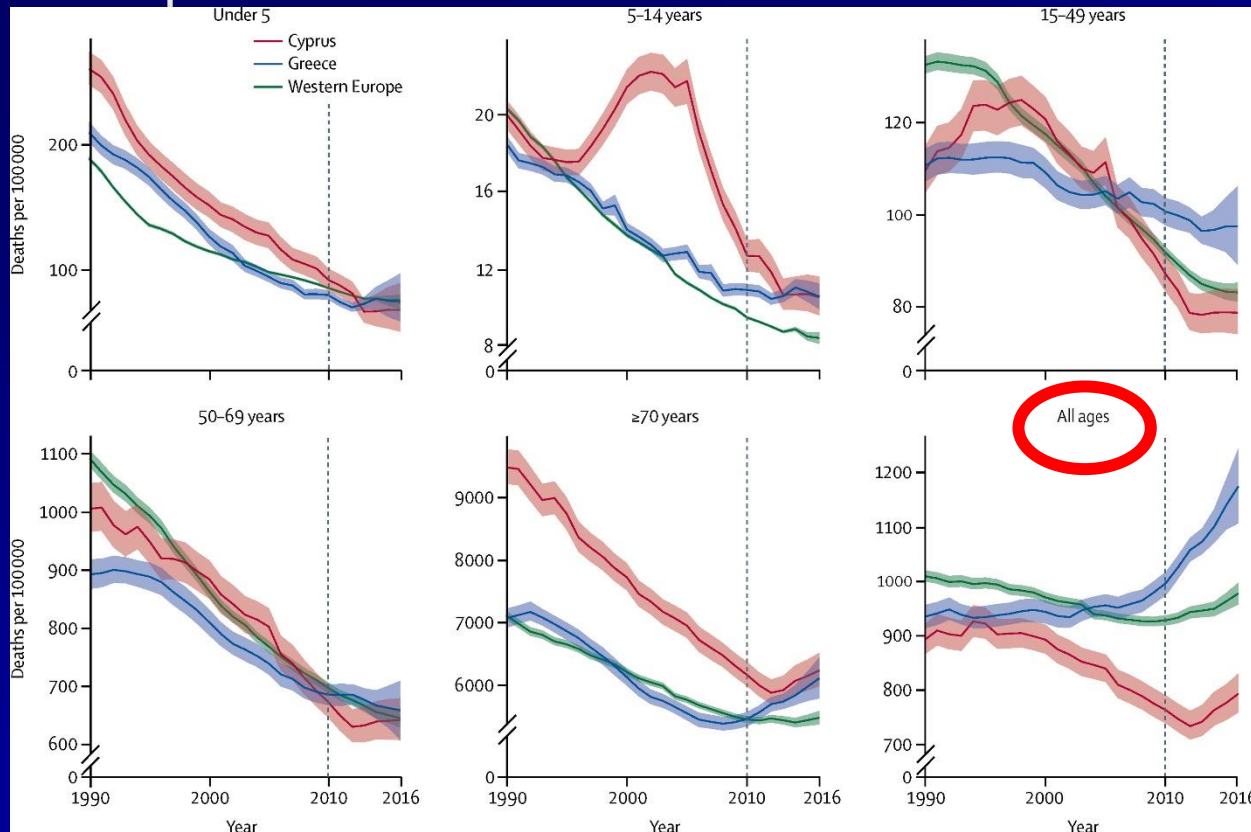
Published Online  
July 25, 2018  
[http://dx.doi.org/10.1016/S2468-2667\(18\)30130-0](http://dx.doi.org/10.1016/S2468-2667(18)30130-0)

See [Editorial](#) page e351

\*Collaborators listed at end of Article

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# Διαχρονική εξέλιξη θνησιμότητας πριν και μετά την κρίση



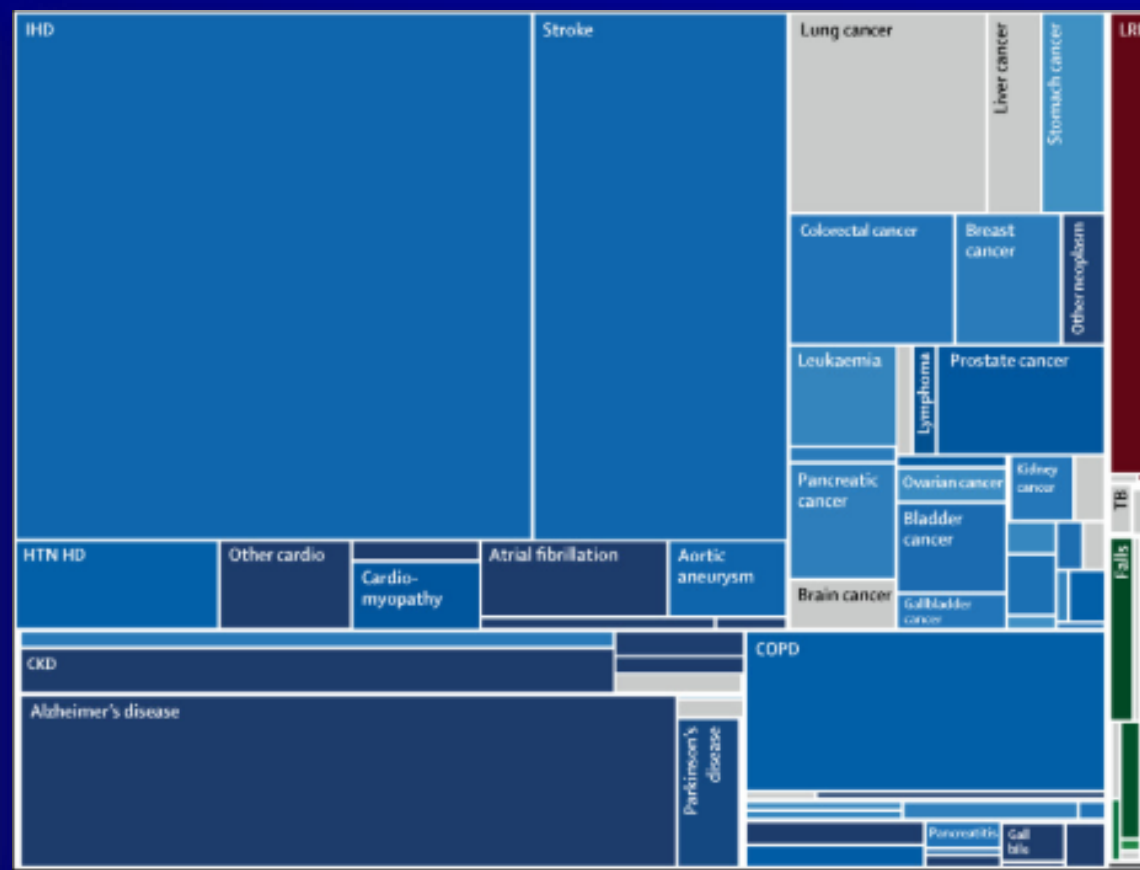
- Ραγδαία αύξηση συνολικών θανάτων μετά το 2010
- 2000-2010: 5,6%
- 2010-2016: 17,7%
- Αύξηση τρεις φορές ταχύτερη από το ποσοστό της Δυτικής Ευρώπης

# Κυριότερες αιτίες θνησιμότητας και ποσοστιαία μεταβολή τους 2010-2016

15-49 ετών



70+ ετών

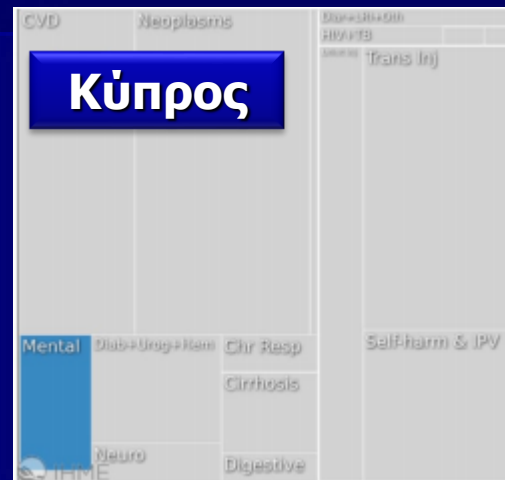
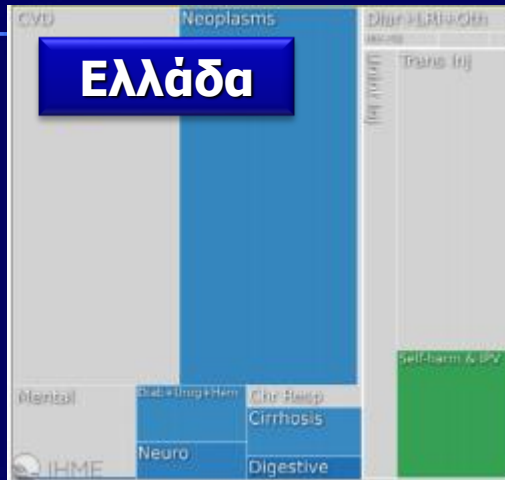




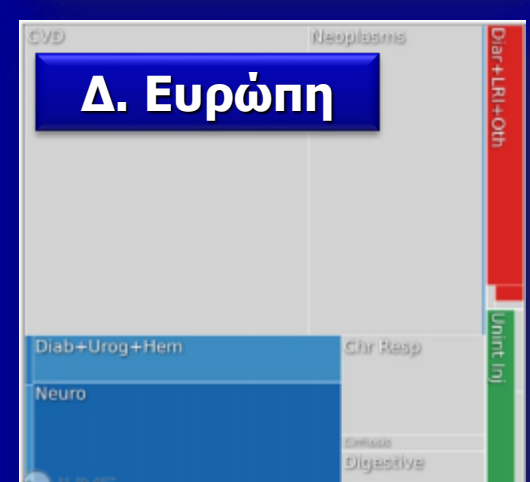
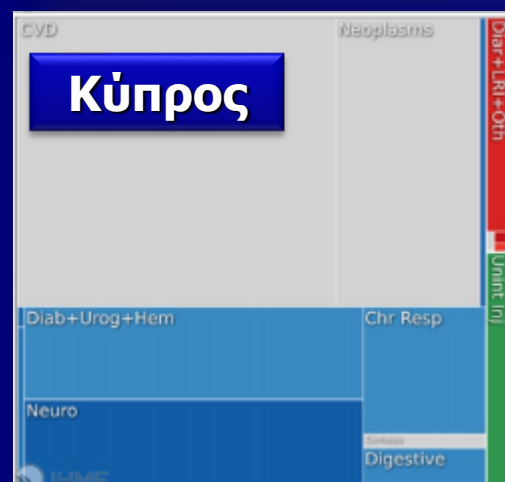
# Κυριότερες αιτίες θνησιμότητας και ποσοστιαία μεταβολή τους 2010-2016

## Σύγκριση με Κύπρο και Δυτική Ευρώπη

**15-49  
ΕΤΩΝ**



**70+  
ΕΤΩΝ**



# Κυριότερες αιτίες θνησιμότητας και η μεταβολή τους, όλες ηλικιακές ομάδες

| Leading causes 2000           | Leading causes 2010           | Percent Change (rates) 2000 - 2010 | Leading causes 2016           | Percent Change (rates) 2010 - 2016 |
|-------------------------------|-------------------------------|------------------------------------|-------------------------------|------------------------------------|
| 1 Ischemic heart disease      | 1 Ischemic heart disease      | -14.2% (-17.8 to -10%)             | 1 Ischemic heart disease      | -8.2% (-14.5 to -1.6%)             |
| 2 Stroke                      | 2 Stroke                      | -36.9% (-40.8 to -32.9%)           | 2 Stroke                      | -7.4% (-14.7 to -0.3%)             |
| 3 Alzheimer disease           | 3 Alzheimer disease           | -2.5% (-7.3 to 2.5%)               | 3 Alzheimer disease           | -1% (-7 to 4.9%)                   |
| 4 Lung cancer                 | 4 Lung cancer                 | -7.6% (-13.5 to -1.2%)             | 4 Lung cancer                 | -5.9% (-14.6 to 3.8%)              |
| 5 COPD                        | 5 COPD                        | 35.1% (26.6 to 44.1%)              | 5 COPD                        | -7.9% (-14.9 to -0.2%)             |
| 6 Road injuries               | 6 Colorectal cancer           | -5.6% (-11.8 to 1%)                | 6 Colorectal cancer           | -3% (-12.4 to 6.7%)                |
| 7 Chronic kidney disease      | 7 Road injuries               | -29.2% (-33.2 to -25%)             | 7 Chronic kidney disease      | 3.1% (-5.3 to 11.9%)               |
| 8 Colorectal cancer           | 8 Chronic kidney disease      | -28.4% (-32.9 to -23.5%)           | 8 Road injuries               | -13% (-21.5 to -3.8%)              |
| 9 Lower respiratory infect    | 9 Breast cancer               | -6.4% (-13.7 to 2.5%)              | 9 Breast cancer               | -4.5% (-15.2 to 7.7%)              |
| 10 Breast cancer              | 10 Lower respiratory infect   | -26.8% (-33.3 to -19.4%)           | 10 Lower respiratory infect   | 0.5% (-9.8 to 11.4%)               |
| 11 Liver cancer               | 11 Stomach cancer             | -18.6% (-23.8 to -13.1%)           | 11 Pancreatic cancer          | -2% (-10.7 to 7.4%)                |
| 12 Stomach cancer             | 12 Pancreatic cancer          | 3.6% (-3.4 to 11%)                 | 12 Stomach cancer             | -8.1% (-16.2 to 0.6%)              |
| 13 Other cardiovascular       | 13 Liver cancer               | -27.4% (-32.9 to -21.2%)           | 13 Prostate cancer            | -1% (-12.6 to 11.8%)               |
| 14 Prostate cancer            | 14 Prostate cancer            | -14% (-23.5 to -0.8%)              | 14 Hypertensive heart disease | -7.9% (-17.1 to 4.8%)              |
| 15 Pancreatic cancer          | 15 Hypertensive heart disease | 65.7% (-14 to 120.3%)              | 15 Leukemia                   | -5% (-13.1 to 4%)                  |
| 16 Leukemia                   | 16 Leukemia                   | -8.4% (-14.4 to -1.9%)             | 16 Liver cancer               | -15.5% (-23.3 to -7.5%)            |
| 17 Brain cancer               | 17 Brain cancer               | -0.4% (-8.3 to 6.1%)               | 17 Brain cancer               | -2.1% (-11.2 to 7.1%)              |
| 18 Bladder cancer             | 18 Diabetes                   | -6.5% (-13.7 to 0.9%)              | 18 Other cardiovascular       | 14.3% (3.8 to 25.8%)               |
| 19 Diabetes                   | 19 Bladder cancer             | -13.7% (-21.1 to -5.6%)            | 19 Bladder cancer             | -1.6% (-12 to 9.6%)                |
| 20 Aortic aneurysm            | 20 Aortic aneurysm            | -7.1% (-14.5 to 1.2%)              | 20 Diabetes                   | -3.6% (-12.2 to 5.8%)              |
| 24 Hypertensive heart disease | 22 Other cardiovascular       |                                    | 21 Aortic aneurysm            |                                    |

Source: The burden of disease in Greece, health loss, risk factors, and health financing, 2000–16. VOLUME 3, ISSUE 8, PE395-E406, AUGUST 01, 2018

## Μεταβολή 2000-2010

## Μεταβολή 2010-2016

|                           |        |       |
|---------------------------|--------|-------|
| Ischemic heart disease:   | -14,2% | -8,2% |
| Cerebrovascular disease:  | -36,9% | -7,4% |
| Chronic kidney disease:   | -28,4% | +3.1% |
| Road injuries:            | -29,2% | -13%  |
| Lower Respiratory infect: | -26,8% | +0,5% |



# Κυριότερες αιτίες θνησιμότητας και η μεταβολή τους στις ηλικιακές ομάδες **15-49 ετών**

| Leading causes 2000         | Leading causes 2010         | Percent Change (counts)<br>2000 - 2010 | Percent Change (rates)<br>2000 - 2010 | Leading causes 2016         | Percent Change (counts)<br>2010 - 2016 | Percent Change (rates)<br>2010 - 2016 |
|-----------------------------|-----------------------------|----------------------------------------|---------------------------------------|-----------------------------|----------------------------------------|---------------------------------------|
| 1 Road injuries             | 1 Ischemic heart disease    | 1.6% (-6.3 to 10.5%)                   | 5.1% (-3.1 to 14.3%)                  | 1 Ischemic heart disease    | -12% (-22.4 to -1.2%)                  | -2.9% (-14.3 to 9%)                   |
| 2 Ischemic heart disease    | 2 Road injuries             | -30.9% (-35.5 to -25.7%)               | -28.5% (-33.3 to -23.2%)              | 2 Road injuries             | -22.8% (-31.4 to -13.6%)               | -14.8% (-24.3 to -4.6%)               |
| 3 Lung cancer               | 3 Lung cancer               | -17.3% (-27.4 to -5.9%)                | -14.5% (-24.9 to -2.6%)               | 3 Lung cancer               | -9.9% (-21.8 to 3.6%)                  | -0.5% (-13.7 to 14.4%)                |
| 4 Stroke                    | 4 Stroke                    | -15.7% (-24.5 to -6.2%)                | -12.9% (-22 to -3%)                   | 4 Self-harm                 | -4% (-17.6 to 11.8%)                   | 5.9% (-9 to 23.4%)                    |
| 5 Drug use disorders        | 5 Drug use disorders        | -6% (-20.7 to 11.7%)                   | -2.8% (-18 to 15.5%)                  | 5 Stroke                    | -12.3% (-23 to -0.5%)                  | -3.2% (-15.1 to 9.8%)                 |
| 6 Self-harm                 | 6 Self-harm                 | 5.5% (-9.3 to 21.5%)                   | 9.1% (-6.2 to 25.7%)                  | 6 Drug use disorders        | -17.3% (-33.3 to 1.3%)                 | -8.7% (-26.4 to 11.8%)                |
| 7 Breast cancer             | 7 Breast cancer             | -2.2% (-15.1 to 12.2%)                 | 1.2% (-12.2 to 16%)                   | 7 Breast cancer             | -6.7% (-20.8 to 9.2%)                  | 3% (-12.6 to 20.5%)                   |
| 8 Brain cancer              | 8 Brain cancer              | 1.3% (-8.2 to 11%)                     | 4.8% (-5 to 14.8%)                    | 8 Brain cancer              | -4.9% (-16.1 to 6.8%)                  | 4.9% (-7.4 to 17.9%)                  |
| 9 Falls                     | 9 Drowning                  | -6.5% (-16.8 to 4.8%)                  | -3.3% (-14 to 8.4%)                   | 9 Drowning                  | -17.3% (-27.8 to -5.8%)                | -8.7% (-20.3 to 4%)                   |
| 10 Drowning                 | 10 Leukemia                 | -4.5% (-14.1 to 5.7%)                  | -1.2% (-11.1 to 9.3%)                 | 10 Leukemia                 | -12.5% (-22.6 to -1.1%)                | -3.4% (-14.6 to 9.2%)                 |
| 11 Leukemia                 | 11 Falls                    | -23% (-32.9 to -4.5%)                  | -20.4% (-30.6 to -1.2%)               | 11 Colorectal cancer        | -4.1% (-16.6 to 10.5%)                 | 5.9% (-8 to 22%)                      |
| 12 Stomach cancer           | 12 Stomach cancer           | -7.7% (-17.8 to 3.2%)                  | -4.5% (-15 to 6.7%)                   | 12 Stomach cancer           | -10% (-21 to 1.8%)                     | -0.6% (-12.8 to 12.3%)                |
| 13 Other neoplasms          | 13 Colorectal cancer        | 9.1% (-2.8 to 22.2%)                   | 12.8% (0.6 to 26.4%)                  | 13 Falls                    | -19.7% (-31 to -5.7%)                  | -11.4% (-23.8 to 4.1%)                |
| 14 Colorectal cancer        | 14 Interpersonal violence   | 5.6% (-14.4 to 28%)                    | 9.3% (-11.5 to 32.4%)                 | 14 Other neoplasms          | -0.6% (-13.1 to 13.1%)                 | 9.7% (-4.1 to 24.8%)                  |
| 15 Lower respiratory infect | 15 Lower respiratory infect | -9.2% (-21.8 to 5.1%)                  | -6.1% (-19.1 to 8.7%)                 | 15 Interpersonal violence   | -18.9% (-29.6 to -7.2%)                | -10.5% (-22.3 to 2.5%)                |
| 16 Interpersonal violence   | 16 Other neoplasms          | -14.1% (-22.9 to -3.9%)                | -11.1% (-20.2 to -0.6%)               | 16 Lower respiratory infect | -9.5% (-22.3 to 5.9%)                  | -0.1% (-14.2 to 16.9%)                |
| 17 Chronic kidney disease   | 17 Pancreatic cancer        | 15.5% (2.1 to 30.4%)                   | 19.4% (5.6 to 34.9%)                  | 17 Pancreatic cancer        | -5.5% (-17.3 to 7.4%)                  | 4.3% (-8.8 to 18.6%)                  |
| 18 Other cardiovascular     | 18 Cirrhosis alcohol        | 4.7% (-10.3 to 21.3%)                  | 8.3% (-7.3 to 25.4%)                  | 18 Cirrhosis alcohol        | -7.5% (-23.1 to 11%)                   | 2.1% (-15.1 to 22.4%)                 |
| 19 Other transport inj      | 19 Chronic kidney disease   | -28.3% (-36.1 to -19.4%)               | -25.9% (-33.9 to -16.6%)              | 19 Chronic kidney disease   | -3.8% (-16.1 to 10.4%)                 | 6.2% (-7.4 to 21.9%)                  |
| 20 Liver cancer             | 20 Ovarian cancer           | 2.2% (-15.1 to 22.5%)                  | 5.7% (-12.1 to 26.7%)                 | 20 Ovarian cancer           | -8% (-24.2 to 10.7%)                   | 1.5% (-16.4 to 22.1%)                 |

## Μεταβολή 2000-2010

## Μεταβολή 2010-2016

Source: The burden of disease in Greece, health loss, risk factors, and health financing, 2000–16. VOLUME 3, ISSUE 8, PE395-E406, AUGUST 01, 2018

Ischemic heart disease:

**+5,1%**

**-2,9%**

Road injuries:

**-28,5%**

**-14,8%**

Lung cancer:

**-14,5%**

**-0,5%**

Stroke:

**-12,9%**

**-3,2%**

Self harm:

**+9,1%**

**+5,9%**

# Κυριότερες αιτίες θνησιμότητας και η μεταβολή τους στις ηλικιακές ομάδες 70+ ετών

| Leading causes 2000           | Leading causes 2010          | Percent Change (counts)<br>2000 - 2010 | Percent Change (rates)<br>2000 - 2010 | Leading causes 2016           | Percent Change (counts)<br>2010 - 2016 | Percent Change (rates)<br>2010 - 2016 |
|-------------------------------|------------------------------|----------------------------------------|---------------------------------------|-------------------------------|----------------------------------------|---------------------------------------|
| 1 Ischemic heart disease      | 1 Ischemic heart disease     | 17.2% (11.4 to 23.5%)                  | -9.6% (-14.1 to -4.8%)                | 1 Ischemic heart disease      | 16.8% (9.3 to 24.5%)                   | 10.3% (3.3 to 17.6%)                  |
| 2 Stroke                      | 2 Stroke                     | -13.7% (-19.7 to -7.3%)                | -33.4% (-38 to -28.5%)                | 2 Stroke                      | 16.8% (7.1 to 26.5%)                   | 10.3% (1.2 to 19.5%)                  |
| 3 Alzheimer disease           | 3 Alzheimer disease          | 34.6% (27.5 to 42.4%)                  | 3.8% (-1.7 to 9.8%)                   | 3 Alzheimer disease           | 31.9% (23.5 to 40.1%)                  | 24.7% (16.7 to 32.3%)                 |
| 4 Lung cancer                 | 4 COPD                       | 86.6% (73.7 to 100.7%)                 | 43.9% (34 to 54.8%)                   | 4 COPD                        | 18.6% (10 to 29%)                      | 12.1% (3.9 to 21.9%)                  |
| 5 COPD                        | 5 Lung cancer                | 13.1% (2.5 to 24.7%)                   | -12.8% (-20.9 to -3.8%)               | 5 Lung cancer                 | 4% (-6 to 15%)                         | -1.8% (-11.1 to 8.6%)                 |
| 6 Chronic kidney disease      | 6 Chronic kidney disease     | 0.8% (-6.8 to 9.7%)                    | -22.3% (-28.1 to -15.3%)              | 6 Chronic kidney disease      | 30.2% (18.9 to 42.4%)                  | 23.1% (12.3 to 34.6%)                 |
| 7 Lower respiratory infect    | 7 Colorectal cancer          | 23.9% (13.5 to 34.4%)                  | -4.4% (-12.5 to 3.7%)                 | 7 Lower respiratory infect    | 29.4% (13.6 to 45.9%)                  | 22.3% (7.3 to 37.9%)                  |
| 8 Colorectal cancer           | 8 Lower respiratory infect   | -1.6% (-12.7 to 11%)                   | -24.1% (-32.7 to -14.4%)              | 8 Colorectal cancer           | 13.4% (2.8 to 25.6%)                   | 7.2% (-2.8 to 18.7%)                  |
| 9 Other cardiovascular        | 9 Hypertensive heart disease | 135.5% (17 to 210%)                    | 81.7% (-9.7 to 139.1%)                | 9 Prostate cancer             | 20.5% (5.2 to 37.7%)                   | 13.9% (0.3 to 30.1%)                  |
| 10 Prostate cancer            | 10 Prostate cancer           | 18.6% (4.1 to 37.6%)                   | -8.5% (-19.7 to 6.1%)                 | 10 Hypertensive heart disease | 18.4% (6.5 to 32.1%)                   | 11.9% (0.7 to 24.8%)                  |
| 11 Liver cancer               | 11 Breast cancer             | 31.3% (17 to 48.6%)                    | 1.3% (-9.8 to 14.6%)                  | 11 Atrial fibrillation        | 39.3% (24.9 to 55.7%)                  | 31.6% (18 to 47.1%)                   |
| 12 Stomach cancer             | 12 Stomach cancer            | 6.8% (-2.5 to 15.6%)                   | -17.6% (-24.8 to -10.8%)              | 12 Breast cancer              | 11.1% (-2.3 to 26.6%)                  | 5% (-7.7 to 19.6%)                    |
| 13 Breast cancer              | 13 Liver cancer              | -2.4% (-12.1 to 7.8%)                  | -24.7% (-32.2 to -16.9%)              | 13 Stomach cancer             | 6.4% (-3.2 to 16.5%)                   | 0.5% (-8.5 to 10.1%)                  |
| 14 Pancreatic cancer          | 14 Pancreatic cancer         | 34.5% (22.7 to 47.4%)                  | 3.8% (-5.4 to 13.7%)                  | 14 Pancreatic cancer          | 10.4% (-0.1 to 21.7%)                  | 4.3% (-5.6 to 15%)                    |
| 15 Leukemia                   | 15 Atrial fibrillation       | 40.7% (24.7 to 57.1%)                  | 8.5% (-3.8 to 21.1%)                  | 15 Other cardiovascular       | 44.8% (30.5 to 61.6%)                  | 36.8% (23.3 to 52.7%)                 |
| 16 Bladder cancer             | 16 Leukemia                  | 23.7% (12.8 to 35.9%)                  | -4.6% (-13 to 4.8%)                   | 16 Liver cancer               | -4.7% (-13.7 to 4.8%)                  | -10% (-18.5 to -0.9%)                 |
| 17 Atrial fibrillation        | 17 Diabetes                  | 28.5% (16.3 to 41.5%)                  | -0.9% (-10.3 to 9.1%)                 | 17 Leukemia                   | 9.2% (-1.2 to 20.7%)                   | 3.1% (-6.6 to 14.1%)                  |
| 18 Diabetes                   | 18 Bladder cancer            | 13.3% (1.4 to 26.7%)                   | -12.6% (-21.8 to -2.3%)               | 18 Bladder cancer             | 15.1% (2.6 to 28.4%)                   | 8.8% (-3.1 to 21.4%)                  |
| 19 Cardiomyopathy             | 19 Other cardiovascular      | -37.3% (-43.5 to -30.7%)               | -51.6% (-56.4 to -46.6%)              | 19 Diabetes                   | 11.4% (0.5 to 23.4%)                   | 5.3% (-5.1 to 16.6%)                  |
| 20 Hypertensive heart disease | 20 Aortic aneurysm           | 29.2% (15.8 to 45.2%)                  | -0.3% (-10.6 to 12%)                  | 20 Parkinson disease          | 23.8% (14.8 to 32.6%)                  | 17% (8.5 to 25.3%)                    |
| 21 Aortic aneurysm            | 21 Parkinson disease         |                                        |                                       | 21 Aortic aneurysm            |                                        |                                       |
| 22 Parkinson disease          | 22 Cardiomyopathy            |                                        |                                       | 22 Cardiomyopathy             |                                        |                                       |

Source: The burden of disease in Greece, health loss, risk factors, and health financing, 2000–16. VOLUME 3, ISSUE 8, PE395-E406, AUGUST 01, 2018

## Μεταβολή 2000-2010

## Μεταβολή 2010-2016

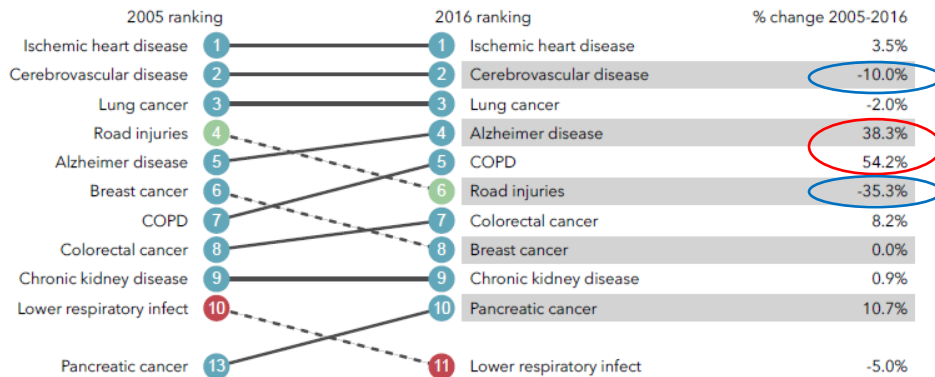
|                           |        |        |
|---------------------------|--------|--------|
| Ischemic heart disease:   | -9,6%  | +10,3% |
| Stroke:                   | -33,3% | +10,3% |
| Alzheimer Disease:        | +3,8%  | +24,7% |
| Chronic kidney disease:   | -22,3% | +23,1% |
| Lower Respiratory infect: | -24,1% | +22,3% |



# Χαμένα έτη ζωής (YLLs), Χαμένα έτη ζωής λόγω ανικανότητας (YLDs) και ποσοστιαία μεταβολή τους 2005-2016

## What causes the most premature death?

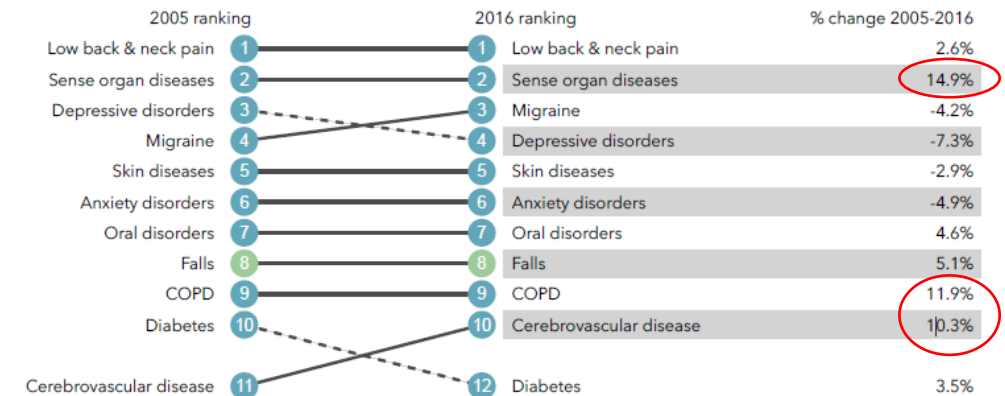
- Communicable, maternal, neonatal, and nutritional diseases
- Non-communicable diseases
- Injuries



Top 10 causes of years of life lost (YLLs) in 2016 and percent change, 2005-2016, all ages, number

## What health problems cause the most disability?

- Communicable, maternal, neonatal, and nutritional diseases
- Non-communicable diseases
- Injuries



Top 10 causes of years lived with disability (YLDs) in 2016 and percent change, 2005-2016, all ages, number

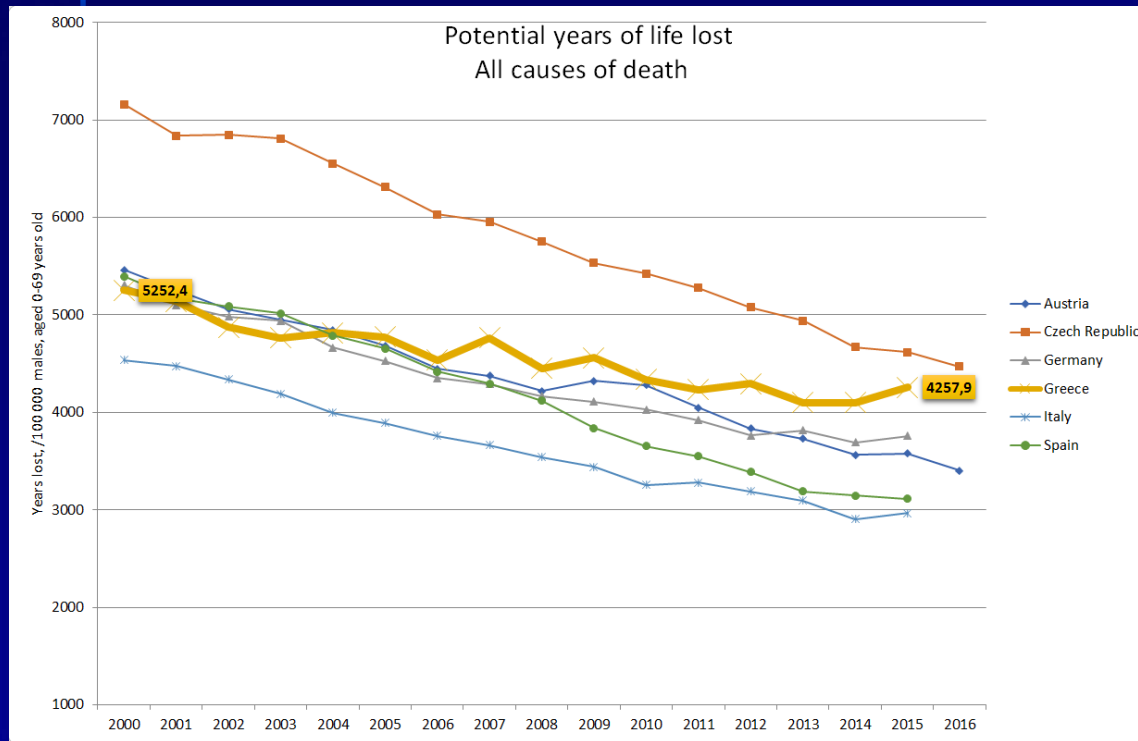


# Διαχρονική εξέλιξη των χαμένων ετών ζωής (YLLs) λόγω πρόωρης θνησιμότητας στην Ελλάδα ανά φύλο, 2000-2016

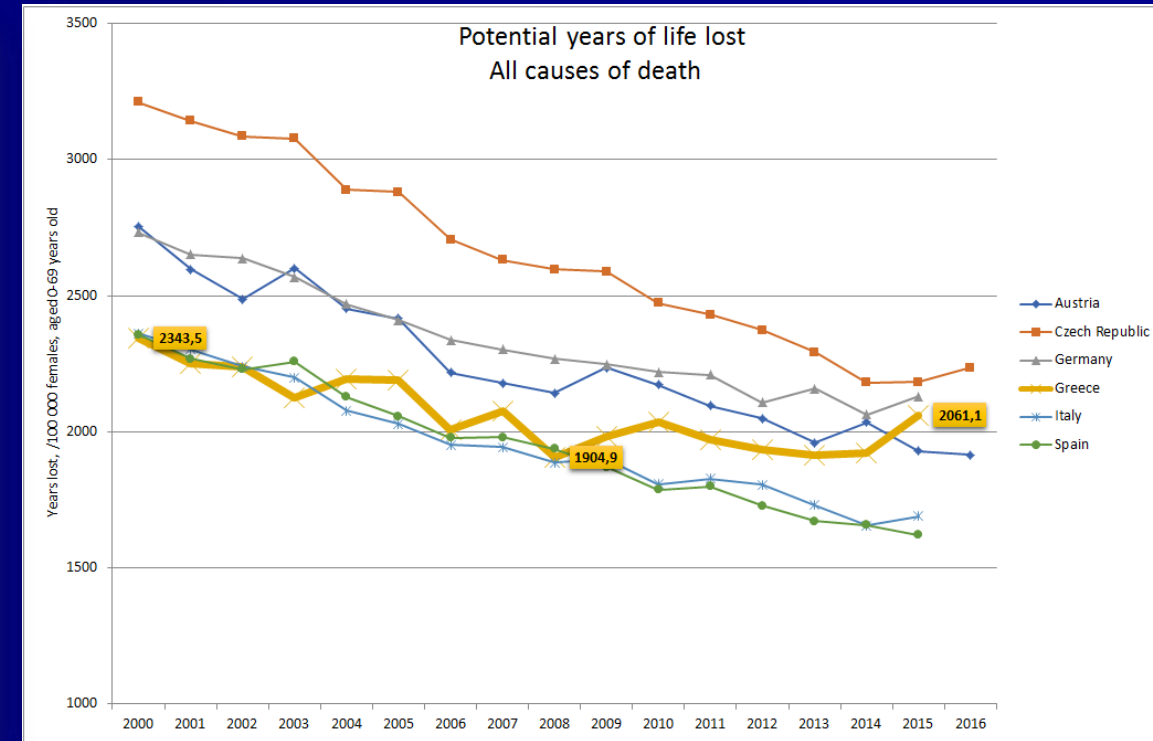
Άνδρες

Όλες οι αιτίες

Γυναίκες



Από 5.252 στο 4.257/100.000 (0-69)



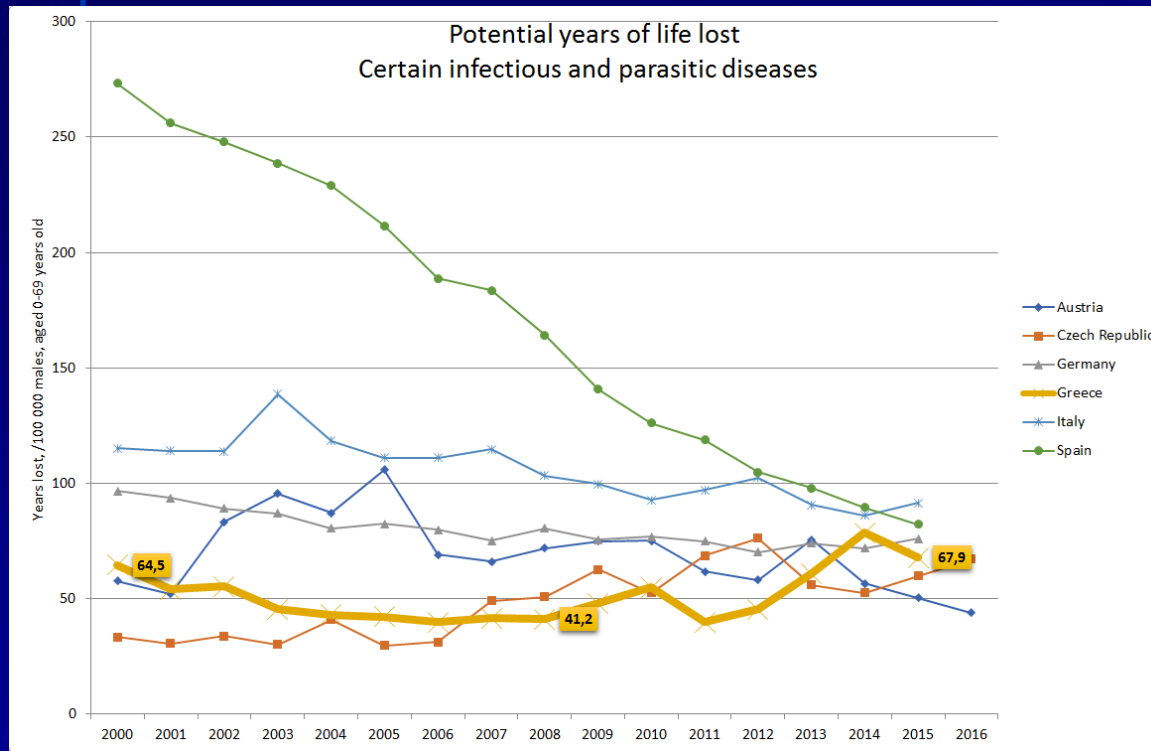
Από 2.343 στο 2.061/100.000 (0-69)

# Διαχρονική εξέλιξη των χαμένων ετών ζωής (YLLs) λόγω πρόωρης θνησιμότητας στην Ελλάδα ανά φύλο, 2000-2016

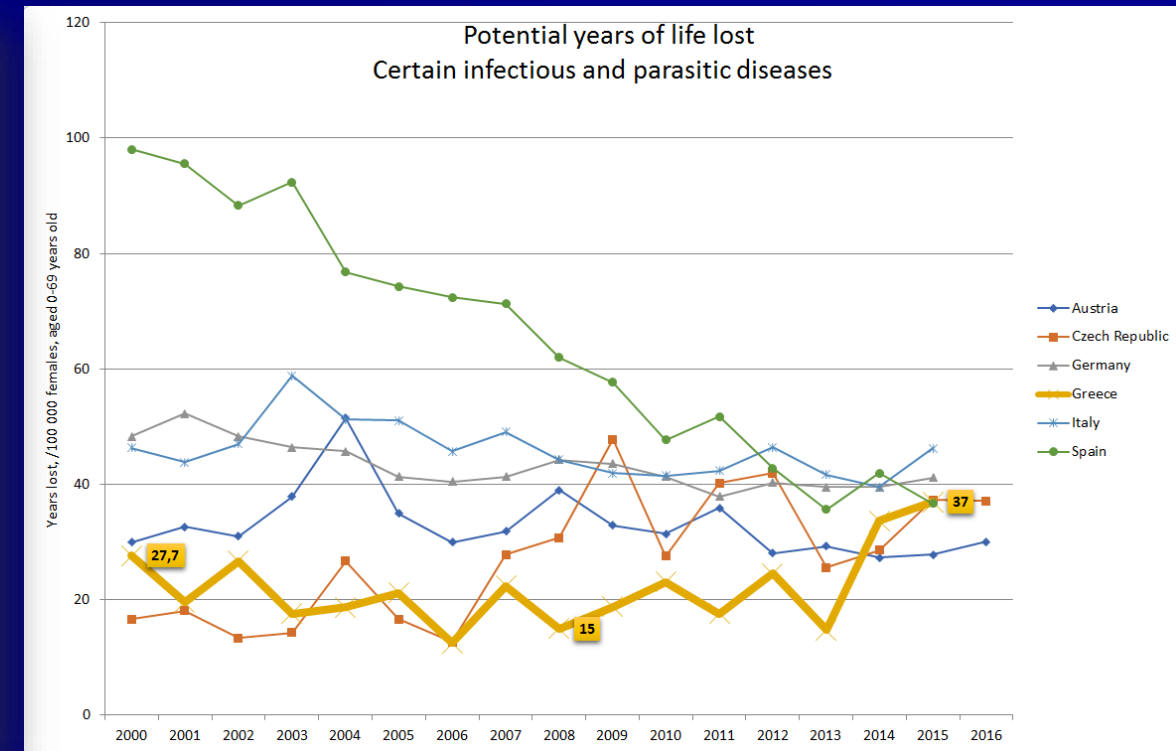
Άνδρες

Λοιμώδη νοσήματα

Γυναίκες



Από 65 στο 41 (2008) στο 68/100.000 (0-69)



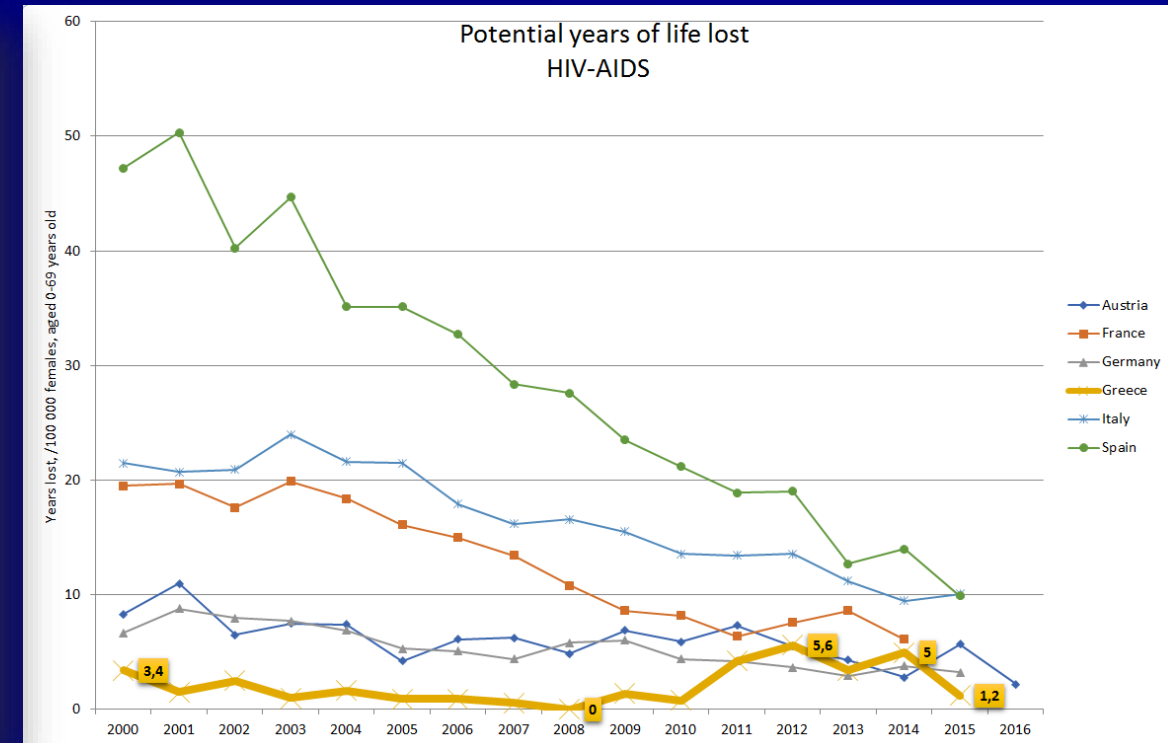
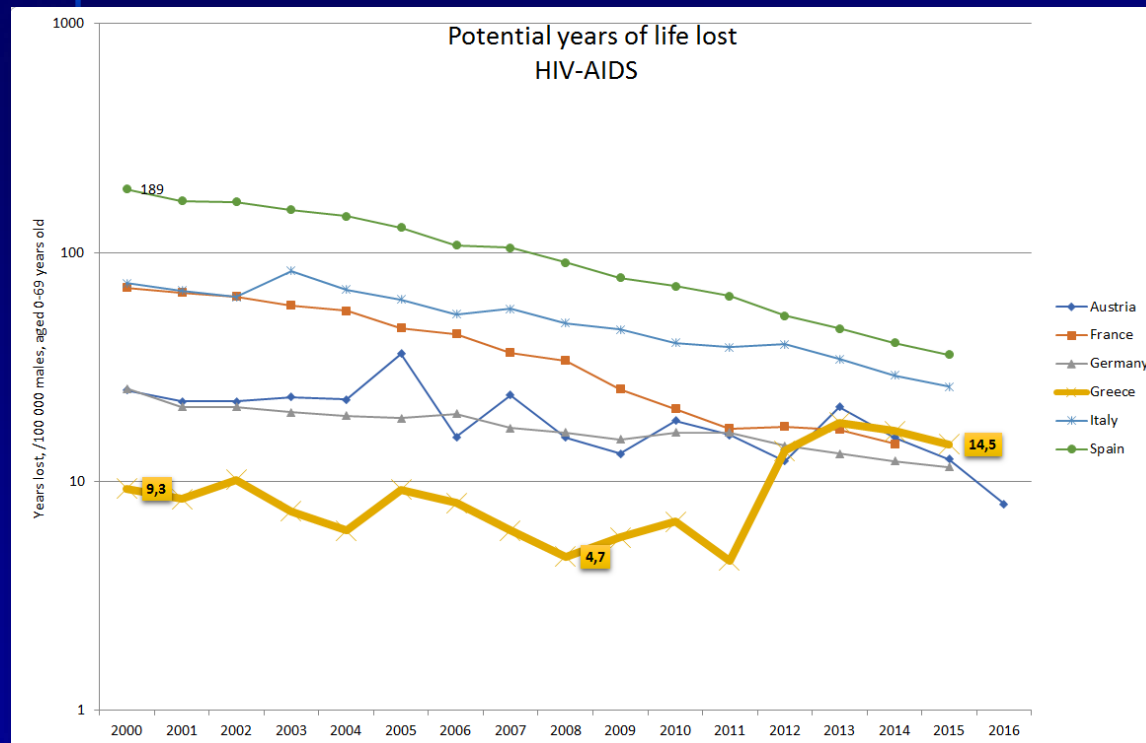
Από 28 στο 15 (2008) στο 37 /100.000 (0-69)

# Διαχρονική εξέλιξη των χαμένων ετών ζωής (YLLs) λόγω πρόωρης θνησιμότητας στην Ελλάδα ανά φύλο, 2000-2016

Άνδρες

HIV

Γυναίκες



Από 9,3 στο 4,7 (2008) στο 14,5/100.000 (0-69)

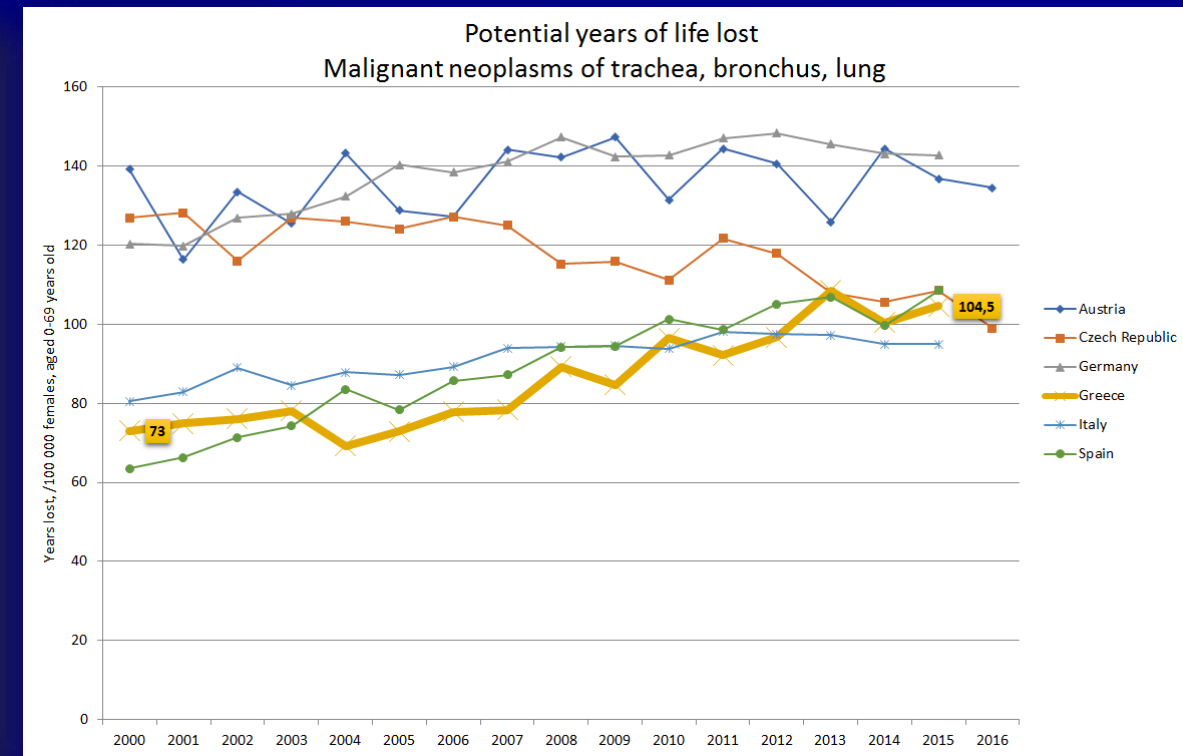
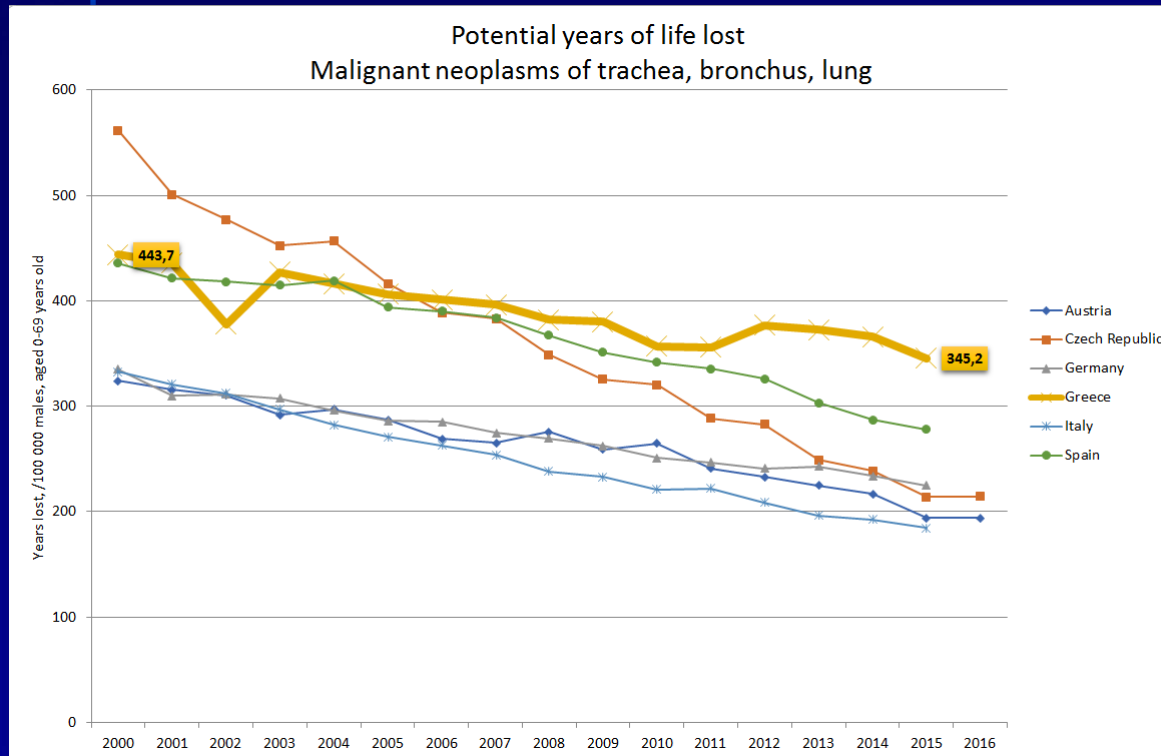
Από 3,4 στο 0 (2008) στο 5,6 (2012) /100.000 (0-69)

# Διαχρονική εξέλιξη των χαμένων ετών ζωής (YLLs) λόγω πρόωρης θνησιμότητας στην Ελλάδα ανά φύλο, 2000-2016

Άνδρες

Καρκίνος του πνεύμονα

Γυναίκες



Από 444 στο 345/100.000 (0-69)

Από 73 στο 104,5/100.000 (0-69)

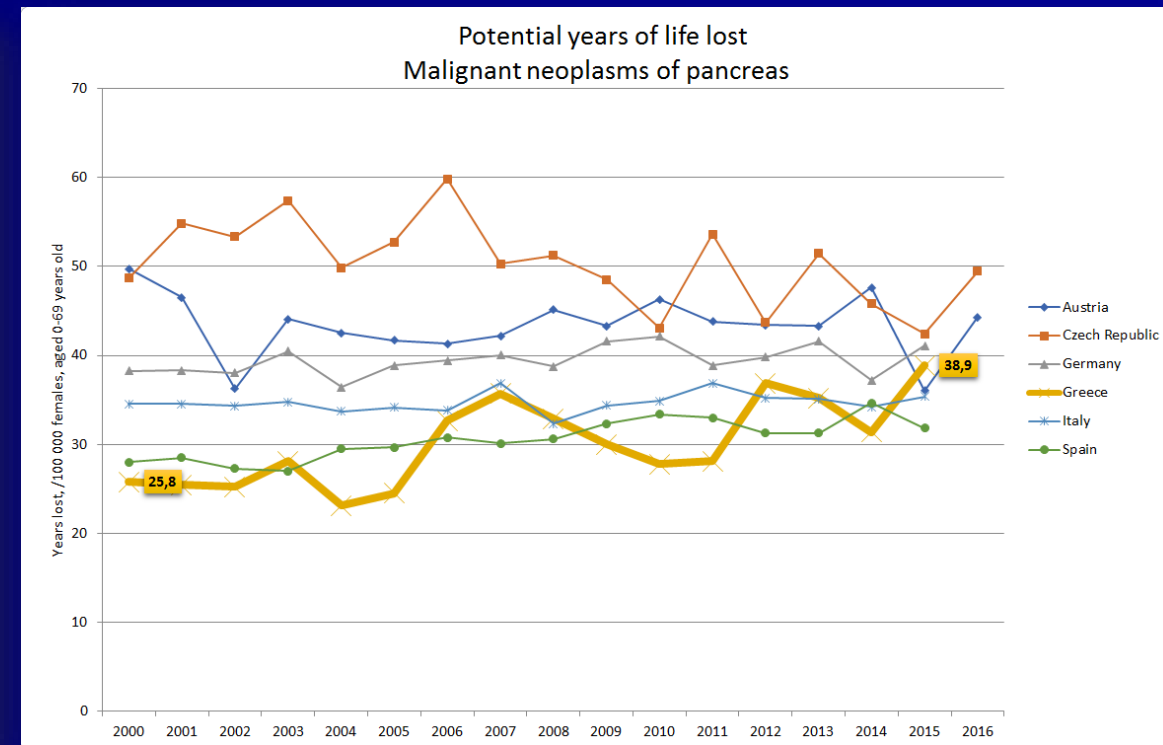
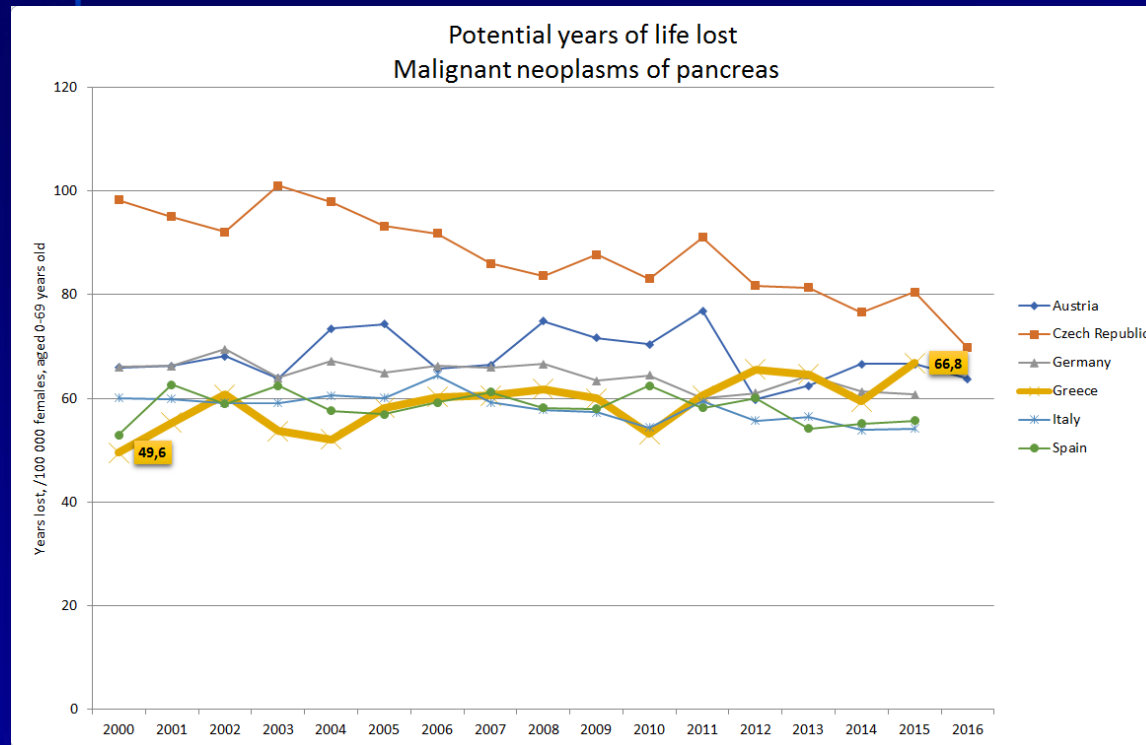


# Διαχρονική εξέλιξη των χαμένων ετών ζωής (YLLs) λόγω πρόωρης θνησιμότητας στην Ελλάδα ανά φύλο, 2000-2016

Άνδρες

Καρκίνος του  
παγκρέατος

Γυναίκες



Από 50 στο 67/100.000 (0-69)

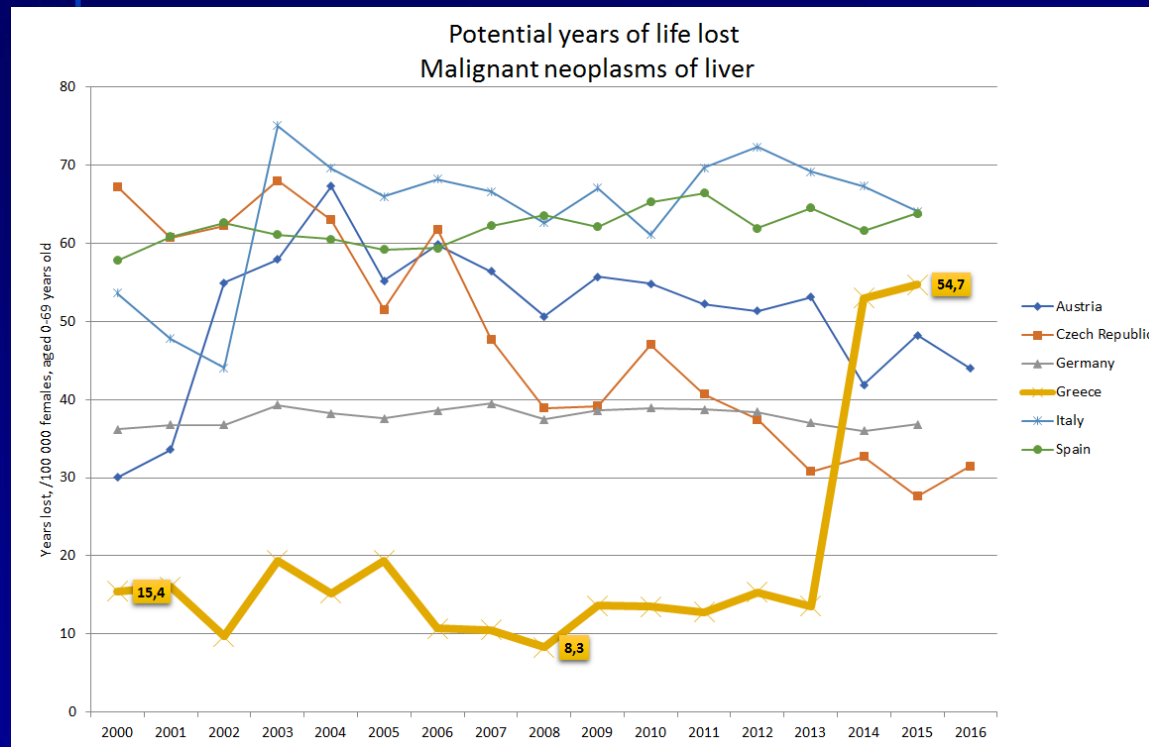
Από 26 στο 39/100.000 (0-69)

# Διαχρονική εξέλιξη των χαμένων ετών ζωής (YLLs) λόγω πρόωρης θνησιμότητας στην Ελλάδα ανά φύλο, 2000-2016

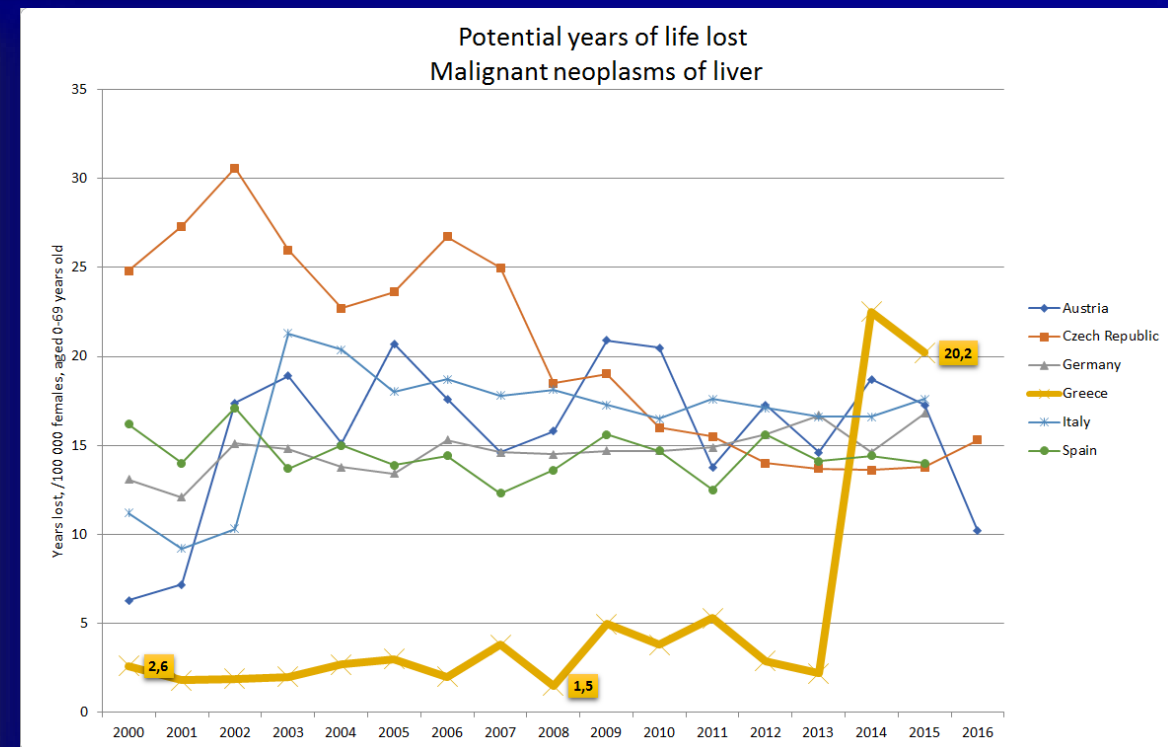
Άνδρες

Καρκίνος του ήπατος

Γυναίκες



Από 15 στο 55/100.000 (0-69)



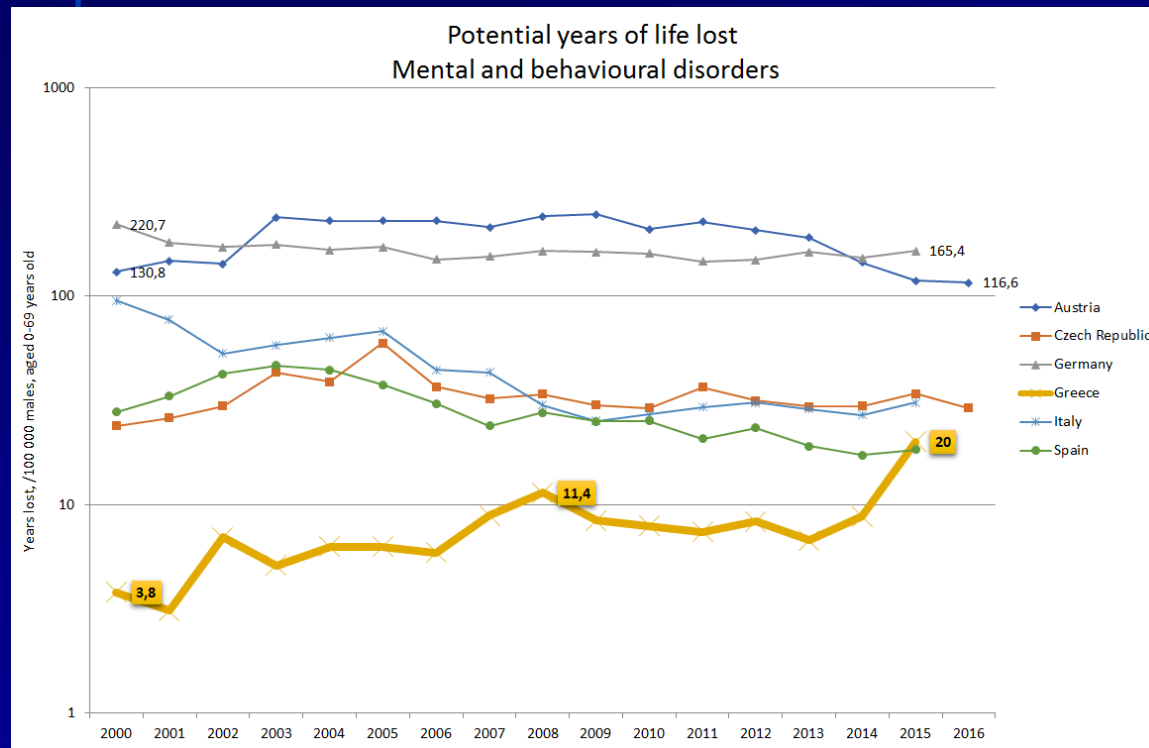
Από 2,6 στο 20/100.000 (0-69)

# Διαχρονική εξέλιξη των χαμένων ετών ζωής (YLLs) λόγω πρόωρης θνησιμότητας στην Ελλάδα ανά φύλο, 2000-2016

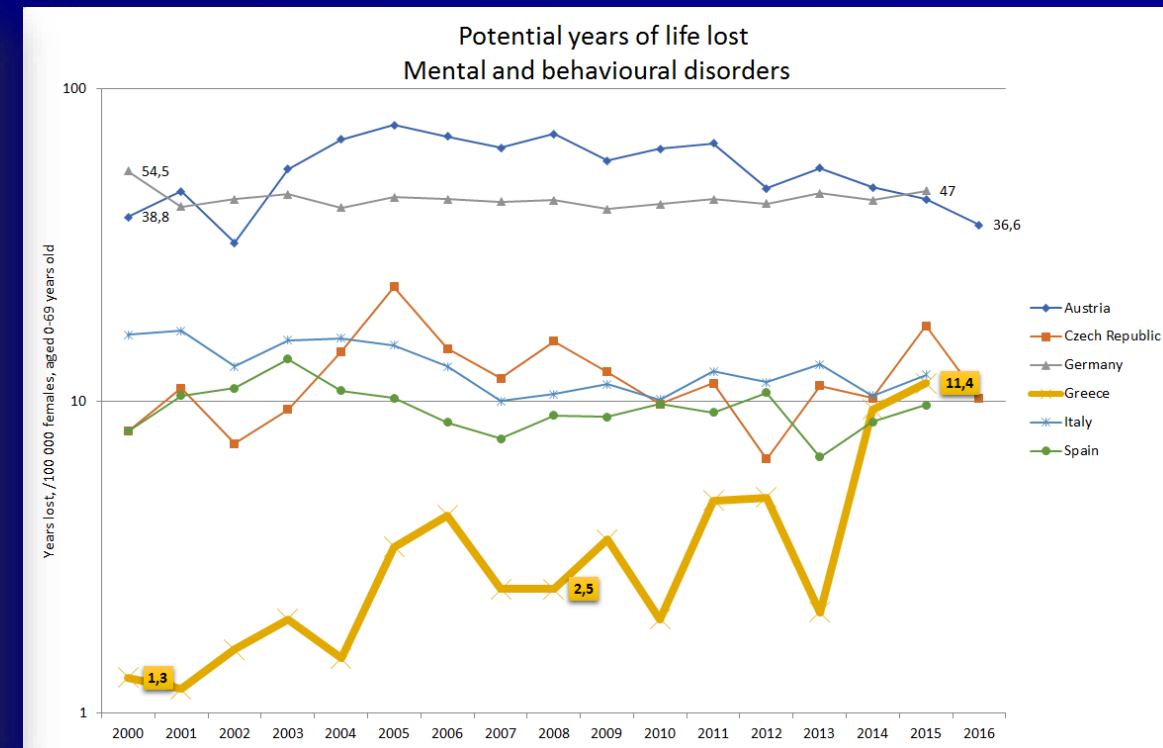
Άνδρες

Ψυχικές  
διαταραχές

Γυναίκες



Από 3,8 στο 20/100.000 (0-69)



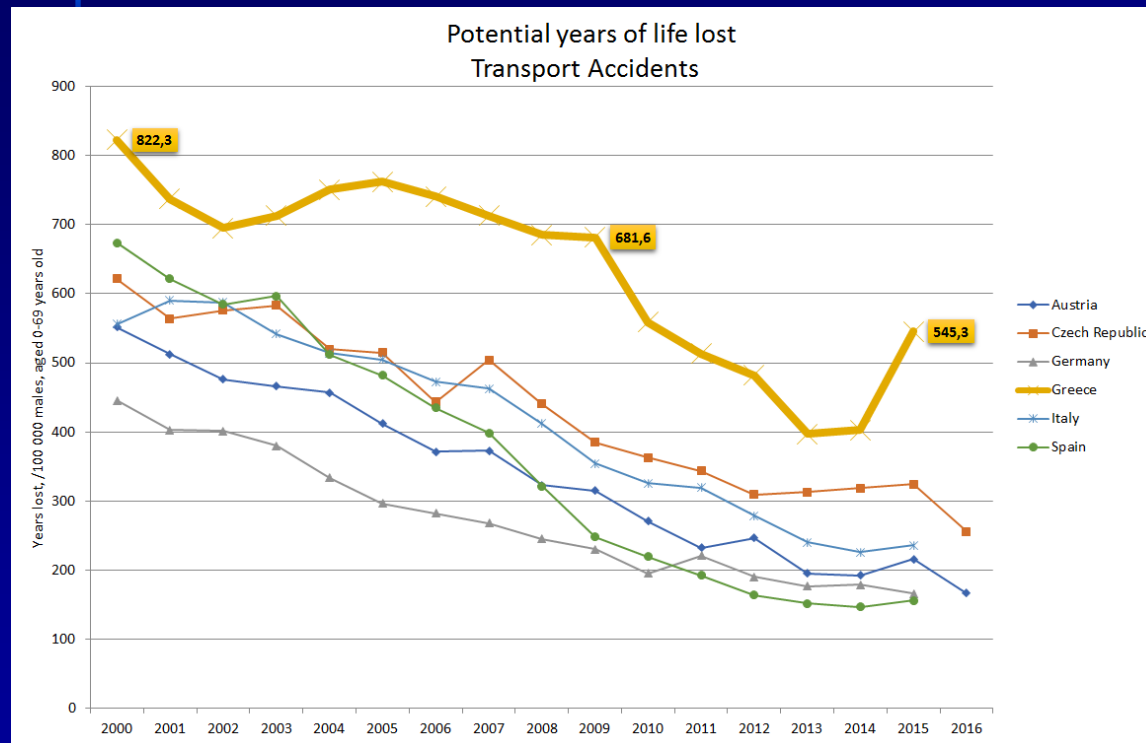
Από 1,3 στο 11,4/100.000 (0-69)

# Διαχρονική εξέλιξη των χαμένων ετών ζωής (YLLs) λόγω πρόωρης θνησιμότητας στην Ελλάδα ανά φύλο, 2000-2016

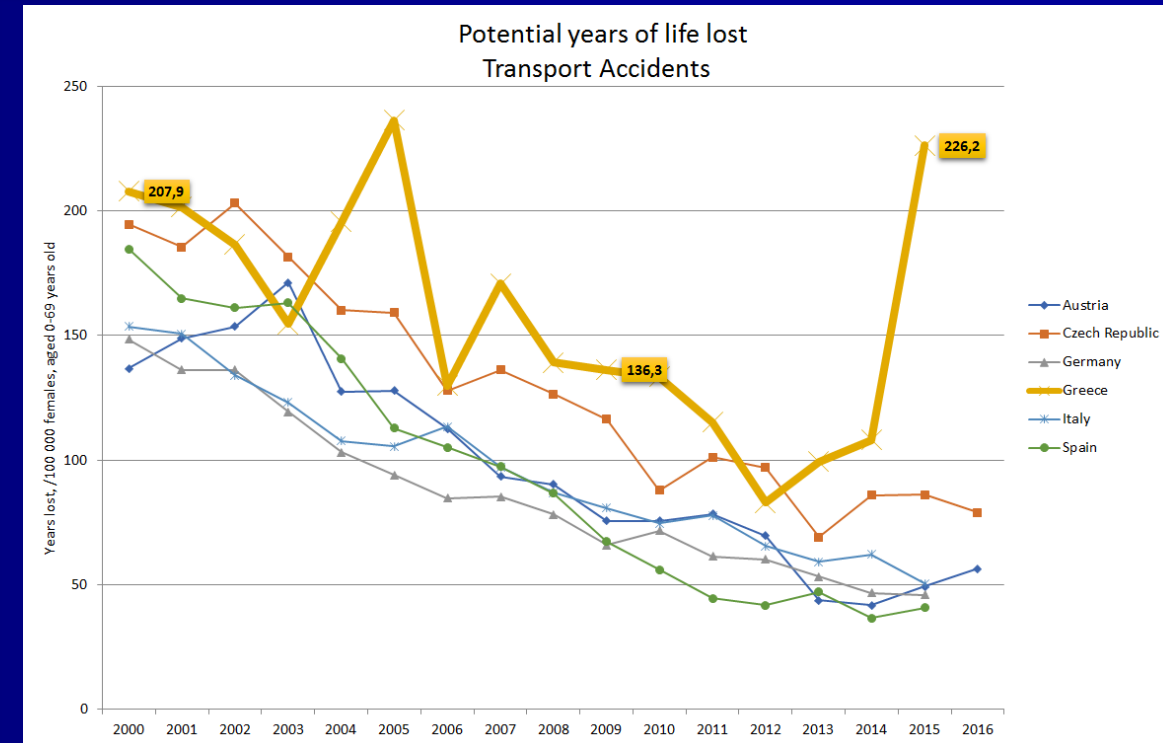
Άνδρες

Τροχαία  
ατυχήματα

Γυναίκες



Από 822 στο 545/100.000 (0-69)



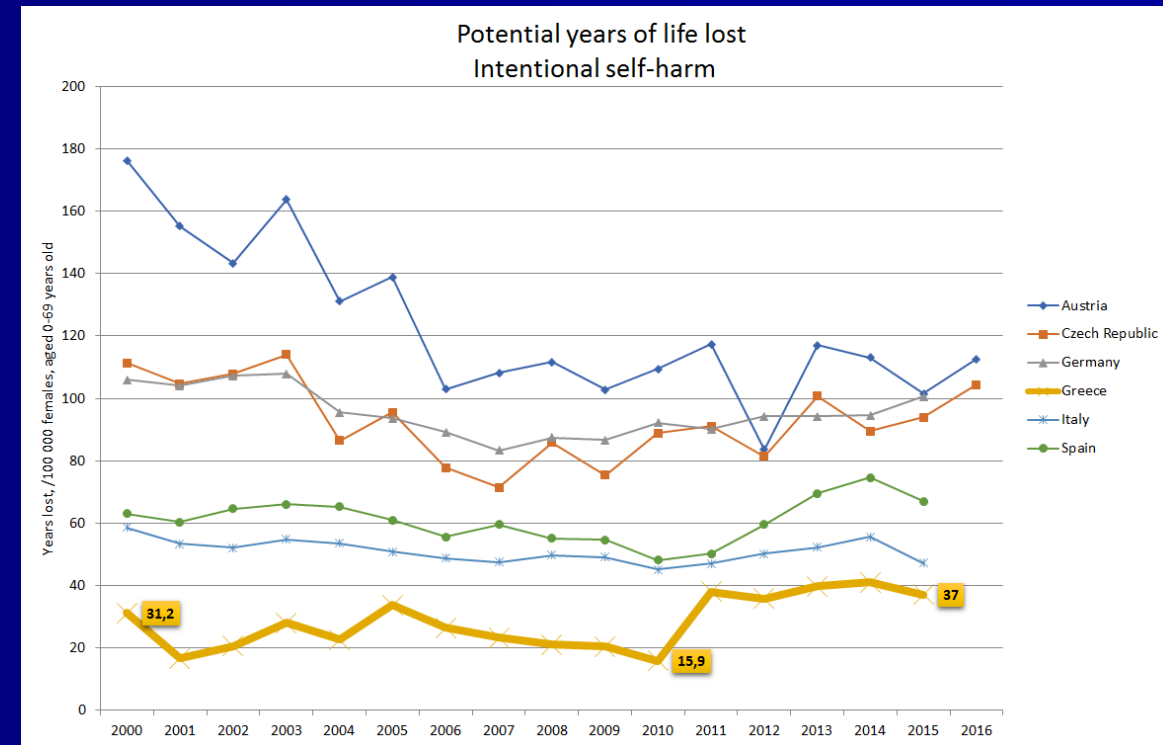
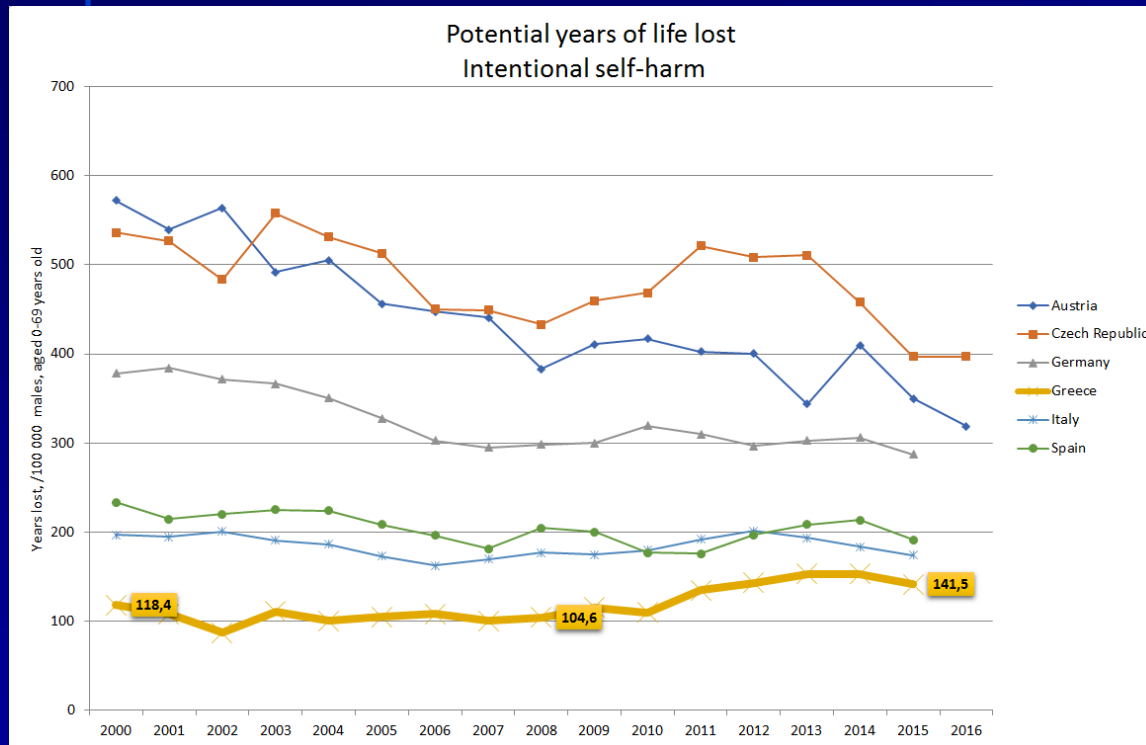
Από 207 στο 226/100.000 (0-69)

# Διαχρονική εξέλιξη των χαμένων ετών ζωής (YLLs) λόγω πρόωρης θνησιμότητας στην Ελλάδα ανά φύλο, 2000-2016

Άνδρες

Αυτοκτονίες

Γυναίκες



Από 118 στο 105 (2008) στο 142/100.000 (0-69)

Από 31 στο 16 (2008) στο 37/100.000 (0-69)



# Κρίση και Ψυχική Υγεία

*Soc Psychiatry Psychiatr Epidemiol.* 2016 Jul;51(7):1015-24. doi: 10.1007/s00127-016-1238-z. Epub 2016 May 13.  
**Enduring financial crisis in Greece: prevalence and correlates of major depressive symptoms and suicidality.**  
Economou M<sup>1,2</sup>, Angelopoulos E<sup>3,4</sup>, Peppou LE<sup>3</sup>, Souliotis K<sup>5,6</sup>, Tzavara C<sup>6</sup>, Kontoangelos K<sup>3,4</sup>, Madianos M<sup>7</sup>, Stefanis C<sup>3</sup>

*Eur J Cancer* 2016 Jun;119(12):2855-63. doi: 10.1016/j.ejca.2016.05.041. Epub 2016 Jun 1.  
**Depressive symptoms during adverse economic conditions: a cross-sectional study on Greek female breast cancer patients receiving chemotherapy.**  
Pelekasis P<sup>1</sup>, Kampoli K<sup>1</sup>, Ntavatzikos A<sup>1</sup>, Charoni A<sup>1</sup>, Tsionou C<sup>2</sup>, Koumaris I<sup>3</sup>, Karamanolis G<sup>4</sup>, Stefanis C<sup>3</sup>

*J Psychosom Res.* 2017 May;96:98-105. doi: 10.1016/j.jpsychores.2016.05.041. Epub 2016 Jun 1.

**The relationship of the perceived economic risk is moderated by mental health status in Greece: Will unemployment be the disorder in Greece?**  
Ntouni M<sup>1</sup>, Pelekanidou E<sup>2</sup>, Karamanolis G<sup>3</sup>, Stefanis C<sup>3</sup>

Ntouni M

*Int J Soc Psychiatry.* 2016 May;62(3):243-51. doi: 10.1177/0020717916666666. Epub 2016 Jun 1.

**Attitudes towards depression during economic crisis: Findings from a cross-sectional study in Greece.**  
Economou M<sup>1</sup>, Berghiannaki A<sup>2</sup>, Karamanolis G<sup>3</sup>, Stefanis C<sup>3</sup>

J Prev

The

the

Foscolou

Gotsis

**Major differences in the prevalence of depression and help-seeking intentions amid financial crisis in Greece: A cross-sectional study.**  
Economou M<sup>1</sup>, Angelopoulos E<sup>2</sup>, Peppou LE<sup>3</sup>, Souliotis K<sup>4</sup>, Stefanis C<sup>3</sup>

*Public Health.* 2014 Aug;128(8):752-4. doi: 10.1016/j.puhe.2014.05.009. Epub 2014 Jul 5.  
**Determinants of self-reported frequency of depressive symptoms in Greece during economic crisis.**  
Mylona K<sup>1</sup>, Tsiantou V<sup>2</sup>, Zavras D<sup>2</sup>, Pavi E<sup>2</sup>, Kyriopoulos J<sup>2</sup>, Stefanis C<sup>3</sup>

Author information

and help-seeking intentions amid financial crisis in Greece: A cross-sectional study.

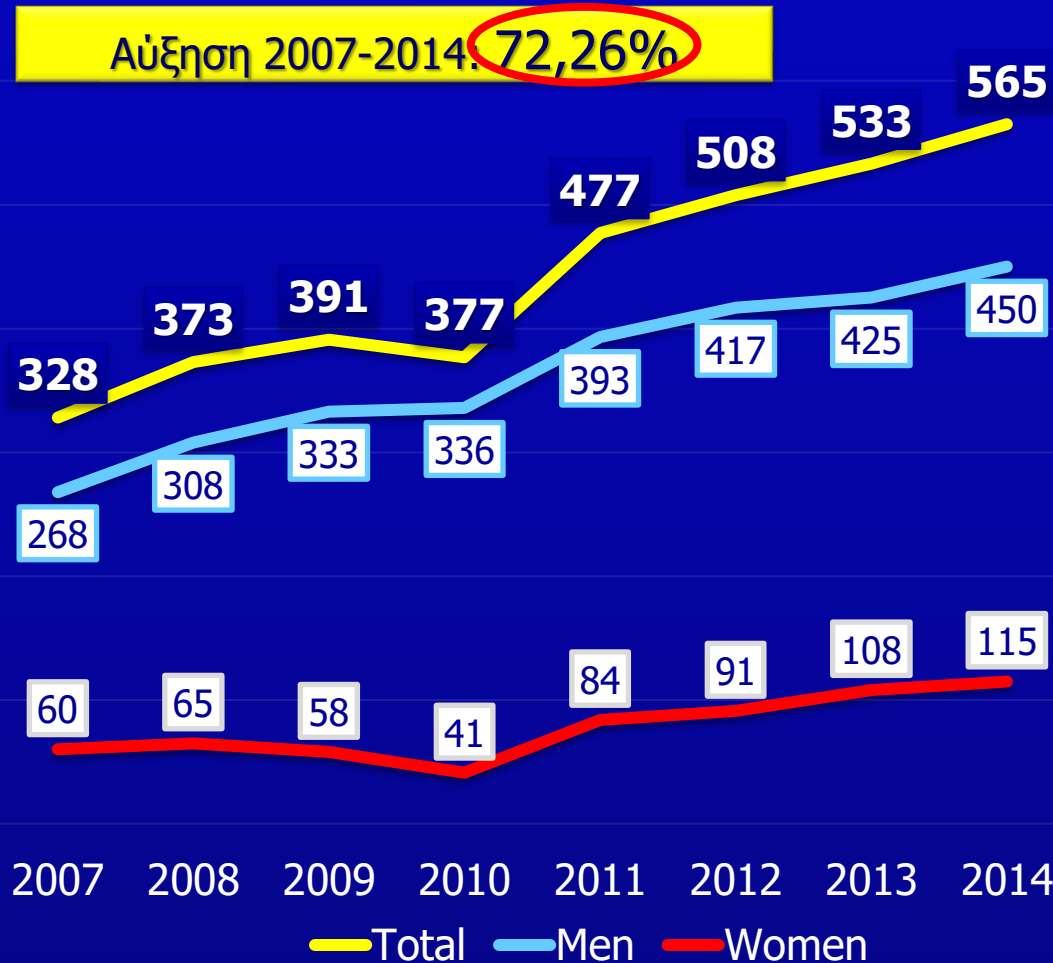
Older Adults Living in

Increased suicide

Depressive symptoms in Greece during economic crisis: A cross-sectional study.

Existing gender

# Αυτοκτονίες στην Ελλάδα 2007-2014



| Αύξηση 2010-2014 |       |
|------------------|-------|
| Σύνολο           | 49,9  |
| Άνδρες           | 33,9  |
| Γυναίκες         | 180,5 |

| Αύξηση 2013-2014 |      |
|------------------|------|
| Σύνολο           | 6,0  |
| Άνδρες           | 5,88 |
| Γυναίκες         | 6,48 |

# Συχνότητα άγχους και κατάθλιψης στους φοιτητές 2012 και 2017

■ Άγχος στους φοιτητές 2012

34%

Οριακό  
άγχος  
20%

Κλινικό  
άγχος  
14%

Χωρίς άγχος  
66%

N=1.233

57%

Κλινικό  
άγχος  
32%

Οριακό  
άγχος  
25%

Χωρίς άγχος  
43%

N=2.424

■ Κατάθλιψη στους φοιτητές 2012

18%

Οριακή  
κατάθλιψη  
13%

Κλινική  
κατάθλιψη  
5%

Χωρίς  
κατάθλιψη  
82%

N=1.233

■ Κατάθλιψη στους φοιτητές 2017

36%

Οριακή  
κατάθλιψη,  
22.20%

Κλινική  
κατάθλιψη,  
13.80%

Χωρίς  
κατάθλιψη,  
64%

N=2.424



# ΣΥΜΠΕΡΑΣΜΑΤΑ

- Η οικονομική κρίση προκάλεσε αλλαγές στους περισσότερους δείκτες υγείας
  - Το προσδόκιμο ζωής κατά τη γέννηση αυξάνεται σταθερά αλλά ο χρόνος που διανύεται με καλή υγεία μειώνεται
  - Η βρεφική, νεογνική, περιγεννητική και μητρική θνησιμότητα στην Ελλάδα μειώθηκε σταδιακά, αλλά από το 2008 εμφανίζει αυξήσεις
  - Τα καρδιαγγειακά νοσήματα και ο καρκίνος προκαλούν την πλειονότητα των θανάτων τόσο στους άνδρες όσο και στις γυναίκες
  - Οι κυριότερες αιτίες θανάτων σε ηλικιακές ομάδες 15-49 ετών και 70 ετών και άνω δείχνουν αυξητικές μεταβολές
  - Τα καρδιαγγειακά νοσήματα και ο καρκίνος του πνεύμονα είναι οι κυριότερες αιτίες πρόωρης θνησιμότητας
  - Η Νόσος Alzheimer και η ΧΑΠ δείχνουν τις μεγαλύτερες μεταβολές μεταξύ των κυριότερων αιτιών πρόωρης θνησιμότητας
  - Οι ψυχικές διαταραχές και οι αυτοκτονίες δείχνουν σημαντικές αυξήσεις σε όλες τις ηλικιακές ομάδες



**Ευχαριστώ πολύ**