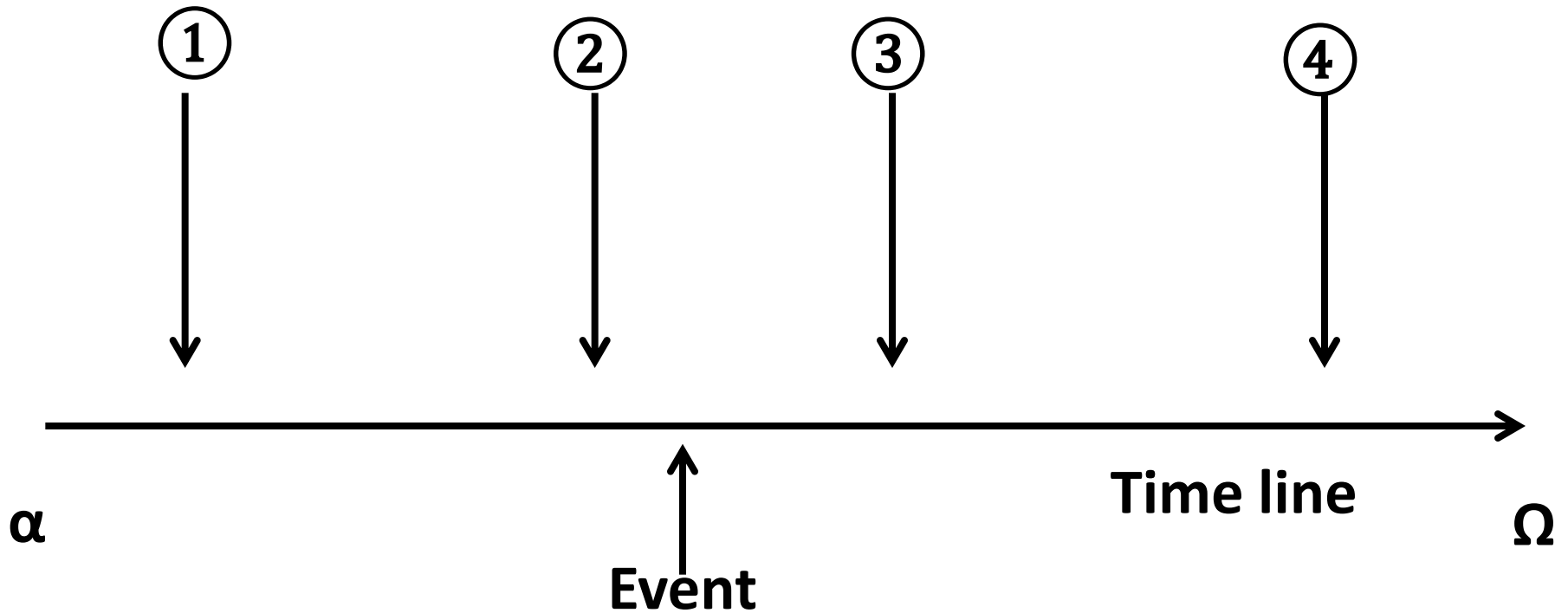


# The concept of quaternary prevention, 1986-2012

WICC workshop, Ravello, October 2012

Marc Jamouille  
IRSS University of Louvain

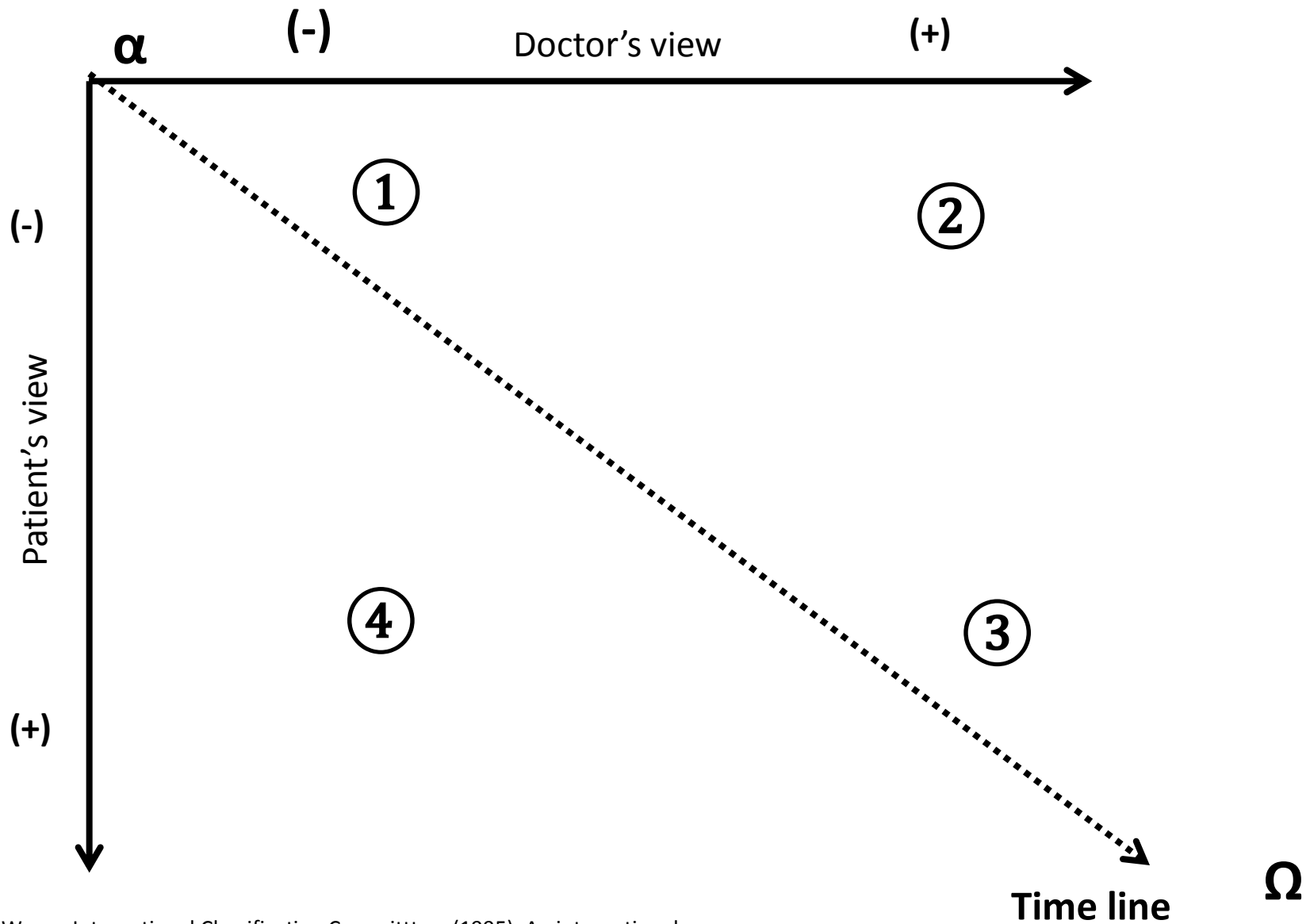
# Prevention ; chronological view



①②③ Leavell, H., & Clark, E. (1958). Preventive Medicine for the Doctor in His Community an Epidemiologic Approach (p. 684). McGraw-Hill.

④ Bury, J. (1988). Éducation pour la santé : concepts enjeux planifications. Bruxelles: De Boeck-Université.

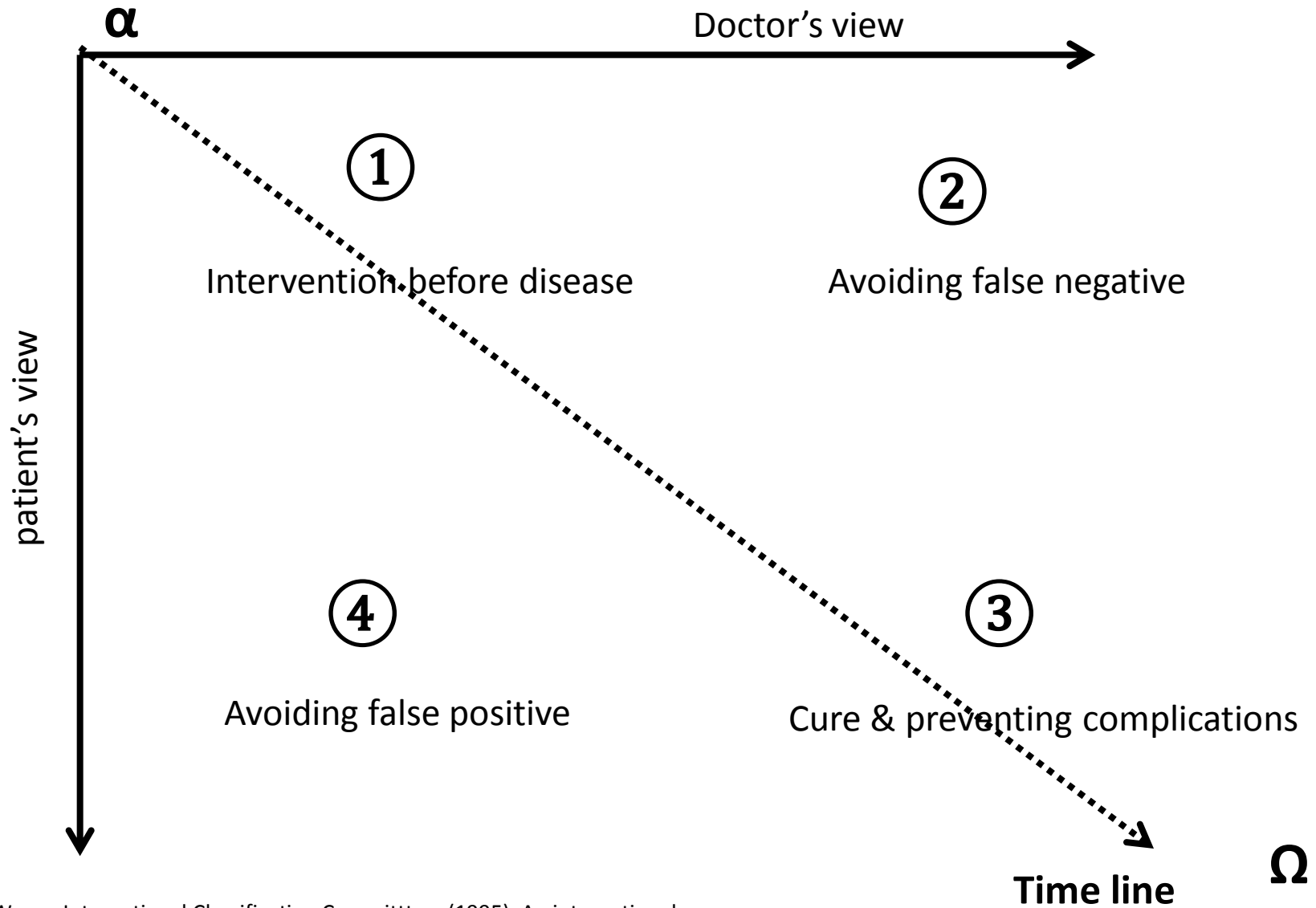
# Prevention ; relational view



①②③ Wonca International Classification Committee. (1995). An international glossary for general/family practice. WONCA Classification Committee. *Family Practice*, 12(3), 341–369.

④ Jamouille, M. (1986). Information et informatisation en médecine générale [Computer and computerisation in general practice]. *Les informa-g-iciens* (pp. 193–209). Presses Universitaires de Namur.

# Prevention ; relational view



①②③ Wonca International Classification Committtee. (1995). An international glossary for general/family practice. WONCA Classification Committee. *Family Practice*, 12(3), 341–369.

④ Jamouille, M. (1986). Information et informatisation en médecine générale [Computer and computerisation in general practice]. *Les informa-g-iciens* (pp. 193–209). Presses Universitaires de Namur.

# P4 story ; emergence

- Born : 1985 during at biostat lecture between Engels, McWyneey, patient 's centered care and Chi Square table
- First publication ; 1986 ; Proceeding of « les informa -g-iciens » , Namur
- At the NIMH with Henk Lambert, Inge Okkes, Harold Pincus and Bendiran Ustun  
Defining Mental Health Problems in Primary Care, Working Meeting,  
Washington, July 21-22, 1994
- Poster at Wonca Hong Kong 1995
- WICC meeting at DUKE may 1999 Duke University ,Durham, USA  
→ WICC endorses the concept

## P4 story Durham workshop, 1999

### ① Primary prevention

Action taken to avoid or remove the cause of a health problem in an individual or a population before it arises. Includes health promotion and specific protection

(e.g. immunization)

### ② Secondary prevention

Action taken to detect a health problem at an early stage in an individual or a population, thereby facilitating cure, or reducing or preventing it spreading or its long-term effects

(e.g. methods, screening, case finding and early diagnosis)

### ③ Tertiary prevention

Action taken to reduce the chronic effects of a health problem in an individual or a population by minimizing the functional impairment consequent to the acute or chronic health problem

(e.g. prevent complications of diabetes). Includes rehabilitation.

P4 story Durham workshop, 1999  
proposed definition, endorsed by WICC

## ④ Quaternary Prevention

Quaternary Prevention: Action taken to identify patient at risk of overmedicalisation, to protect him from new medical invasion, and to suggest to him interventions which are ethically acceptable.

# Extension of the concept

The P4 concept, born in the false positive area could apply in the other fields

Examples:

## ① Manipulation by direct to consumer advertising

Howard, H. C., & Borry, P. (2012). Is there a doctor in the house? : The presence of physicians in the direct-to-consumer genetic testing context. *Journal of community genetics*, 3(2), 105–12.

## ② Over screening in prostate or breast cancer

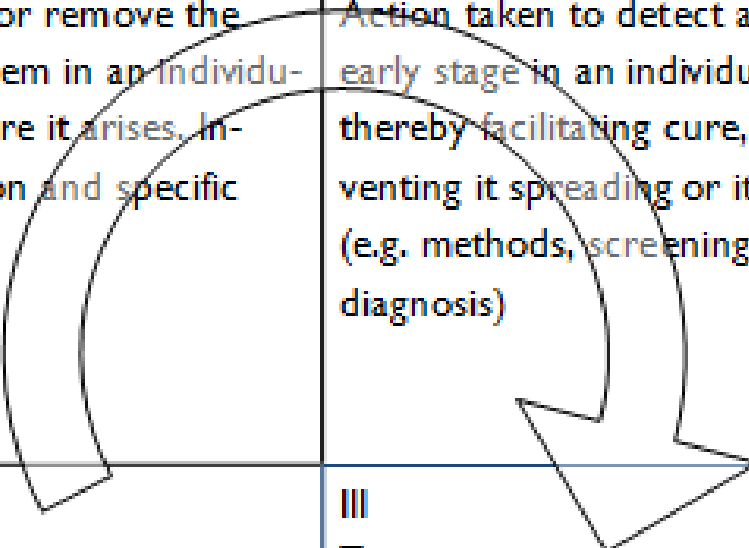
Gøtzsche, P. C., Jørgensen, K. J., Zahl, P.-H., & Mæhlen, J. (2011). Why mammography screening has not lived up to expectations from the randomised trials. *Cancer causes & control : CCC*, 23(1), 15–21. doi:10.1007/s10552-011-9867-8

## ③ Incidentaloma generation

The “Incidentaloma” Problem With Medical Scans - NYTimes.com. (n.d.). Retrieved August 21, 2012, from <http://consults.blogs.nytimes.com/2010/06/08/the-incidentaloma-problem-with-medical-scans/>



<p>Conscience or patient's feeling</p>	<p style="text-align: center;">Doctor's knowledge Disease natural evolution</p> <p style="text-align: center;">Absent —————&gt; Present</p>	
<p><u>well being</u> feeling</p>	<p>I Primary prevention Action taken to avoid or remove the cause of a health problem in an individual or a population before it arises. Includes health promotion and specific protection (e.g. immunization)</p>	<p>II Secondary prevention Action taken to detect a health problem at an early stage in an individual or a population, thereby facilitating cure, or reducing or preventing it spreading or its long-term effects (e.g. methods, screening, case finding and early diagnosis)</p>
<p><u>sick</u> feeling</p>	<p>IV Quaternary Prevention Quaternary Prevention: Action taken to identify patient at risk of overmedicalisation, to protect him from new medical invasion, and to suggest to him interventions, which are ethically acceptable.</p>	<p>III Tertiary prevention Action taken to reduce the chronic effects of a health problem in an individual or a population by minimizing the functional impairment consequent to the acute or chronic health problem (e.g. prevent complications of diabetes). Includes rehabilitation.</p>



- Publication in the Wonca dictionary 2003
- Several publication in French in non indexed medical journals 2003, 2004
- Published by Barbara Starfield B, J Hyde, J Gérvas, and I Heath, *Journal of Epidemiology and Community Health*, 2008
- Several publications by J. Gervas
- Adopted by UEMO 2008
- Wonca congres workshop at Bale, 2009
- Conference at Brazilia 2010
- SIAP Seminar at Barcelona 2011
- SIAP Seminar at Buenos Aires 2012

# Available in 7 languages

- Kuehlelein, Thomas, D Sghedoni, G Visentin, Juan Gervas, and Marc Jamouille, 'Quaternary Prevention: a Task of the General Practitioner.', *Primary Care*, 10 (2010), 350–4  
[http://www.primary-care.ch/docs/primarycare/archiv/fr/2010/2010-18/2010-18-368\\_ELPS\\_engl.pdf](http://www.primary-care.ch/docs/primarycare/archiv/fr/2010/2010-18/2010-18-368_ELPS_engl.pdf)

# P4 covers many fields

- Ethical issues in relationships

Bamfoth, I. (2002). Knock: a study of medical cynicism. *Journal of Medical Ethics*, 28, 14–18. Retrieved from <http://mh.bmj.com/content/28/1/14.full.pdf>

- Overscreening
- Overdiagnosis

- Classifications inflations

Batstra, L., & Frances, A. (2012). Diagnostic inflation: causes and a suggested cure. *The Journal of nervous and mental disease*, 200(6), 474–9.

- Defensive medicine
- Limiting iatrogenic harm
- Healthy skepticism

Skeptic, D. (2012). I'm not sick but I'm not well. *Doctor Skeptic*. Retrieved from <http://doctorskeptic.blogspot.ca/2012/08/im-not-sick-but-im-not-well.html>

# ressources

Web page : [http://docpatient.net/mj/P4\\_citations.htm](http://docpatient.net/mj/P4_citations.htm)

P4 seminar Barcelona 2011: <http://docpatient.net/mj/siap.html>

Buenos Aires 2012; <http://www.prevencion4.com.ar/>

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Biblio P4 group on MENDELEY: <http://www.mendeley.com/groups/1711385/quaternary-prevention/papers/>