

# EXPLORING THE HEALTHY MIND: AN INSIDE JOB

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"For the moment, what we attend to is reality." William James (1890)

### Exploring the Healthy Mind: Disorders

#### A clinically significant behavioural or psychological syndrome or pattern

- ... associated with present distress or disability or with a significantly increased risk of suffering death, pain, disability, or an important loss of freedom.
- ... must not be merely an expectable and culturally sanctioned response to a particular event, for example, the death of a loved one.
- ... whatever its original cause, it must currently be considered a manifestation of a behavioural, psychological, or biological dysfunction in the individual.

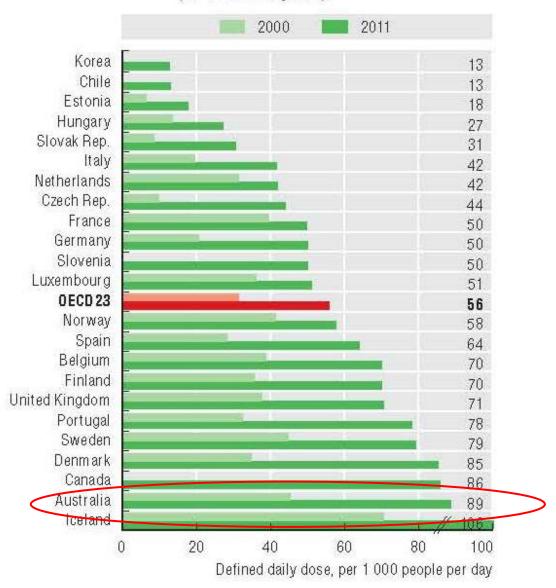
## Exploring the Healthy Mind: Disorders



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#### 4.10.4. Antidepressants consumption, 2000 and 2011 (or nearest year)



Source: OECD Health Statistics 2013, http://dx.doi.org/10.1787/health-data-en.

StatLink \*\*ms\*\* http://dx.doi.org/10.1787/888932917750

#### Growth in Psychotropic Prescriptions in Australia from 2000-2011 We estimate that by the year 2020 everyone in the world will be depressed 20 **ANTIDEPRESSANTS** ANXIOLYTICS SEDATIVES SCRIPTS DISPENSED (MILLIONS) **ANTIPSYCHOTICS** MOOD STABILISERS ADHD MEDICATIONS

2000

2001

2002

2003

2004

2005

2006

2007

2008

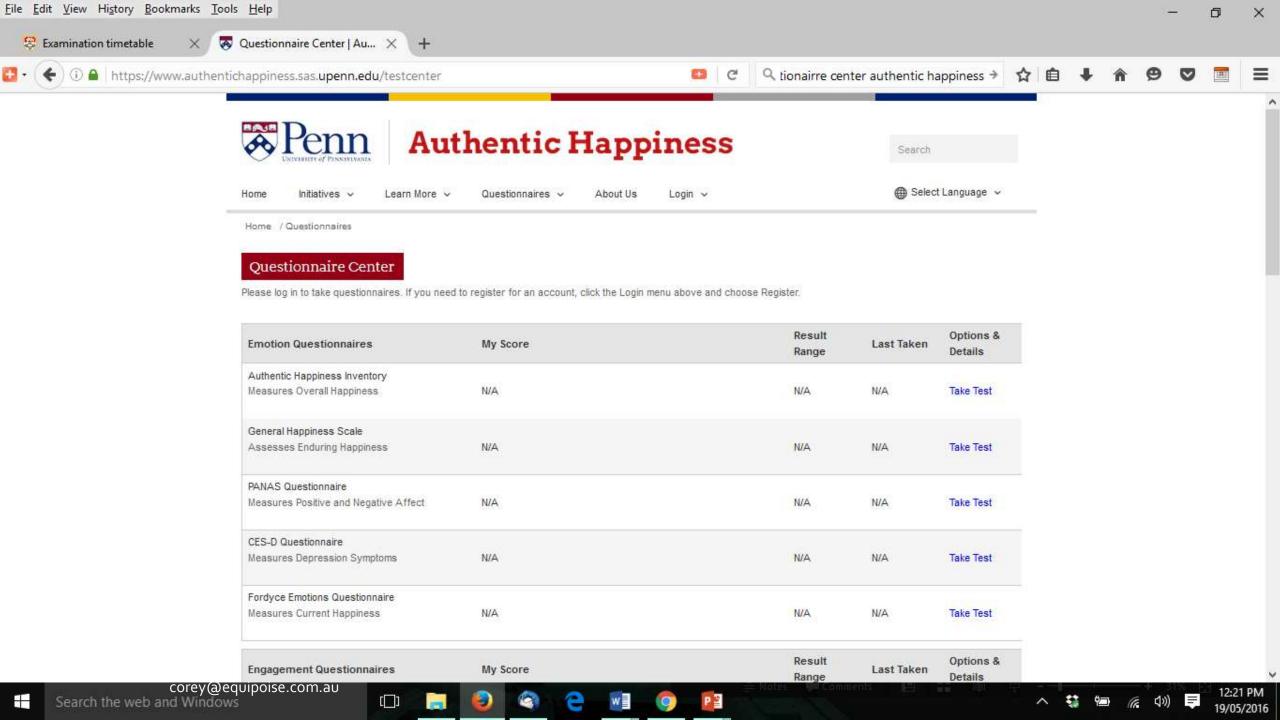
2009

2010

2011

Indian rickshaw driver footage taken from the documentary 'Happy' http://www.thehappymovie.com/

The particular clip can be found here: https://youtu.be/wZErD8blgw4



 "Well-being and happiness never appeared to me as an absolute aim. I am even inclined to compare such moral aims to the ambitions of a pig."
 Albert Einstein

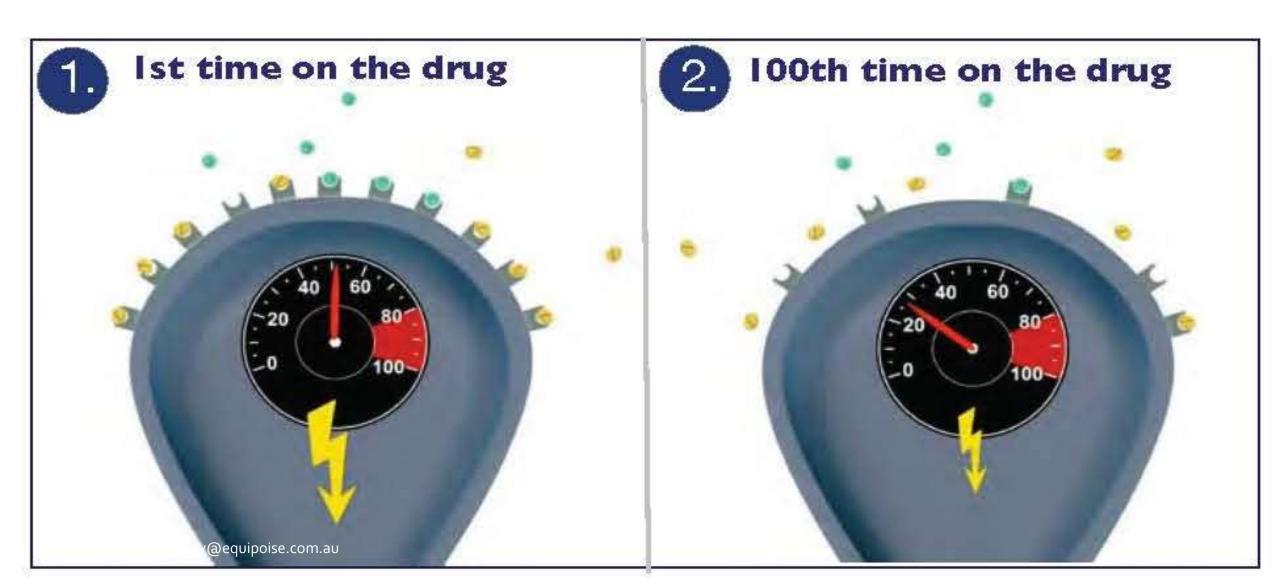
• "I believe that the very purpose of our life is to seek happiness. Whether one believes in religion or not, whether one believes in this religion or that religion, we all are seeking something better in life. So, I think, the very motion of our life is towards happiness."

Dalai Lama

• . .. wealthy to the poor, from teenagers to the elderly, and from Australians to South Koreans ... strong materialistic values are associated with a pervasive undermining of people's well-being ... depression and anxiety ...headaches ... and to personality disorders, narcissism, and antisocial behaviour." Tim Kasser (High Price of Materialism, p22)

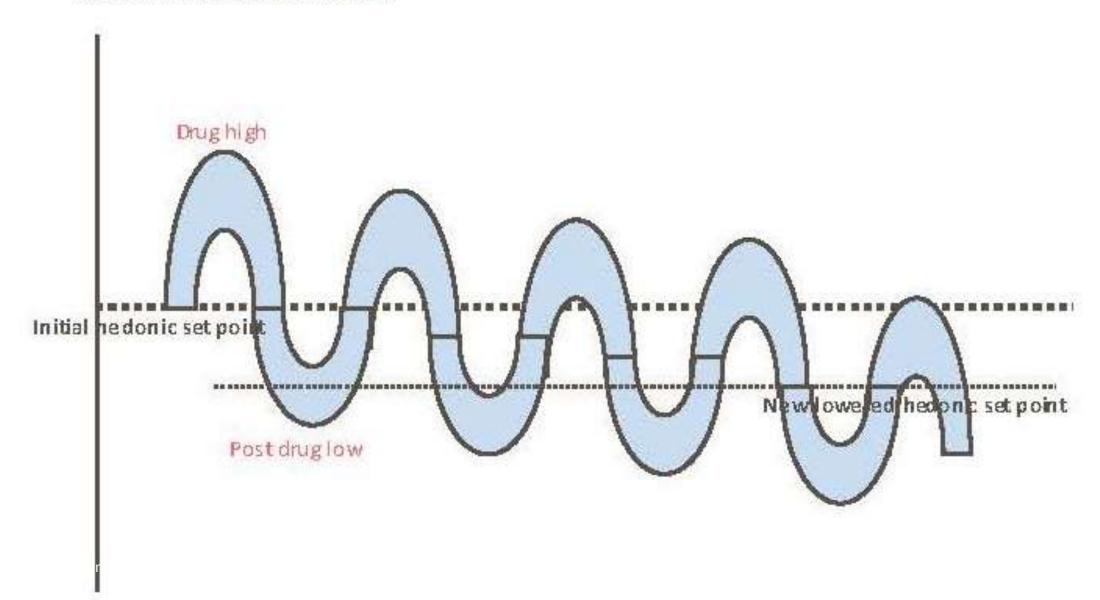


#### Receptor downregulation with repeated drug exposure



#### Shifting hedonic set point with repeated drug use

(George Koob and others)



#### **Hedonic Happiness:**

Happiness (wellbeing) derived from what we get from the world.

#### Genuine Happiness (Eudaimonia):

Happiness (wellbeing) derived from what we bring to the world.

Aristotle considered Eudaimonia to be "the activity of the soul in accordance with [the best and most complete] virtue"?

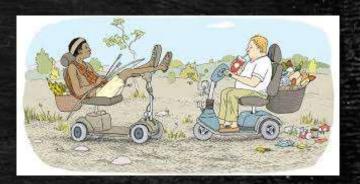
### Exploring the Healthy Mind: Ancient Brain - Modern World

- Central Nervous, emotion and attention systems well adapted.
- Resolution of short term issues with automatized (habitual) behaviour.
- Escape threat (fear).
- Fend off aggressive neighbour or subordinate (anger).
- Cement social bonds (enjoyable emotions). ...



### Exploring the Healthy Mind: Ancient Brain - Modern World

- Attention is more drawn toward negative.
- We will interpret neutral as negative.
- Evolutionary advantage.



#### Crostan The Harley Minds

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ustin Rosenstein had tweaked his laptop's operating system to block Reddit, banned himself from Snapchat, which he compares to heroin, and imposed limits on his use of Facebook. But even that wasn't enough. In August, the 34-year-old tech executive took a more radical step to restrict his use of social media and other addictive technologies.

Rosenstein purchased a new iPhone and instructed his assistant to set up a parental-control feature to prevent him from downloading any apps.

He was particularly aware of the allure of Facebook "likes", which he describes as "bright dings of pseudo-pleasure" that can be as hollow as they are seductive. And Rosenstein should know: he was the Facebook engineer who created the "like" button in the first place.

Friday & Colober 2017 10.00

AFDT

#### The Grant Study

 Harvard University Health Services examination of 268 members of Harvard classes between 1939 and 1944.

#### The Gluek Study

 456 young men from inner-city Boston neighborhoods between 1940 and 1945 (low SES).

- Today, just 68 of the Harvard cohort are still alive, many in their early 90s, while
   120 of the Glueck Study are alive, most in their early to mid-80s.
- Over the decades, subjects have answered biennial questionnaires, allowed health information to be gathered from their doctors, and sat for in-depth interviews.
- Also neuroimaging scans and given blood for DNA analysis.
- Researchers have also begun to engage more deeply with their wives, whose reaction, Waldinger said was, "It's about time."

#### **FINDINGS:**

- Quality of life is heavily dependent on quality of relationships (not quantity).
- Longevity not about cholesterol healthy relationships.
- In 8os, maintained good mood despite physical pain. Pain magnified for those in unhappy relationships.
- In our 8os relationships where feel we can rely on other, more reliable memories.
- Many at the beginning felt that wealth and fame were sources of happiness, but came to 'lean into' relationships.
- Community is at the core of people's long term wellbeing.
- Loneliness can reduce lifespan same as 15 cigarettes a day.

"In the long history of humankind, those who learned to collaborate and improvise most effectively have prevailed."

**Charles Darwin** 



https://youtu.be/wZErD8blgw4



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