

MEDICATION NONADHERENCE: MEDICINE'S WEAKEST LINK?

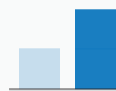
When a patient fills a prescription, the pharmacist might assume the patient will take it as instructed, but research shows a surprising number don't. In fact, it is estimated that only around half of medicines for long-term conditions are taken as prescribed and there is little evidence of any improvement in adherence rates over the past 50 years.¹



The Global View of Medication Nonadherence



200,000
Premature Deaths
in Europe per year due to poor adherence.²



2X as high
Mortality Rates
for those patients with diabetes and heart disease who don't adhere to medications as compared to those who do.³

€1.25B
in Europe

Up to \$290B
in the US

AU\$7B
in Australia

Cost to governments in avoidable hospitalizations, emergency care and outpatient visits due to poor patient adherence.^{4,5}



\$637B
Revenues
the global pharmaceutical industry forfeits each year.⁶



33%-69%
Unnecessary Hospital Admissions
in the US that are often the result of nonadherence.⁷

\$2000

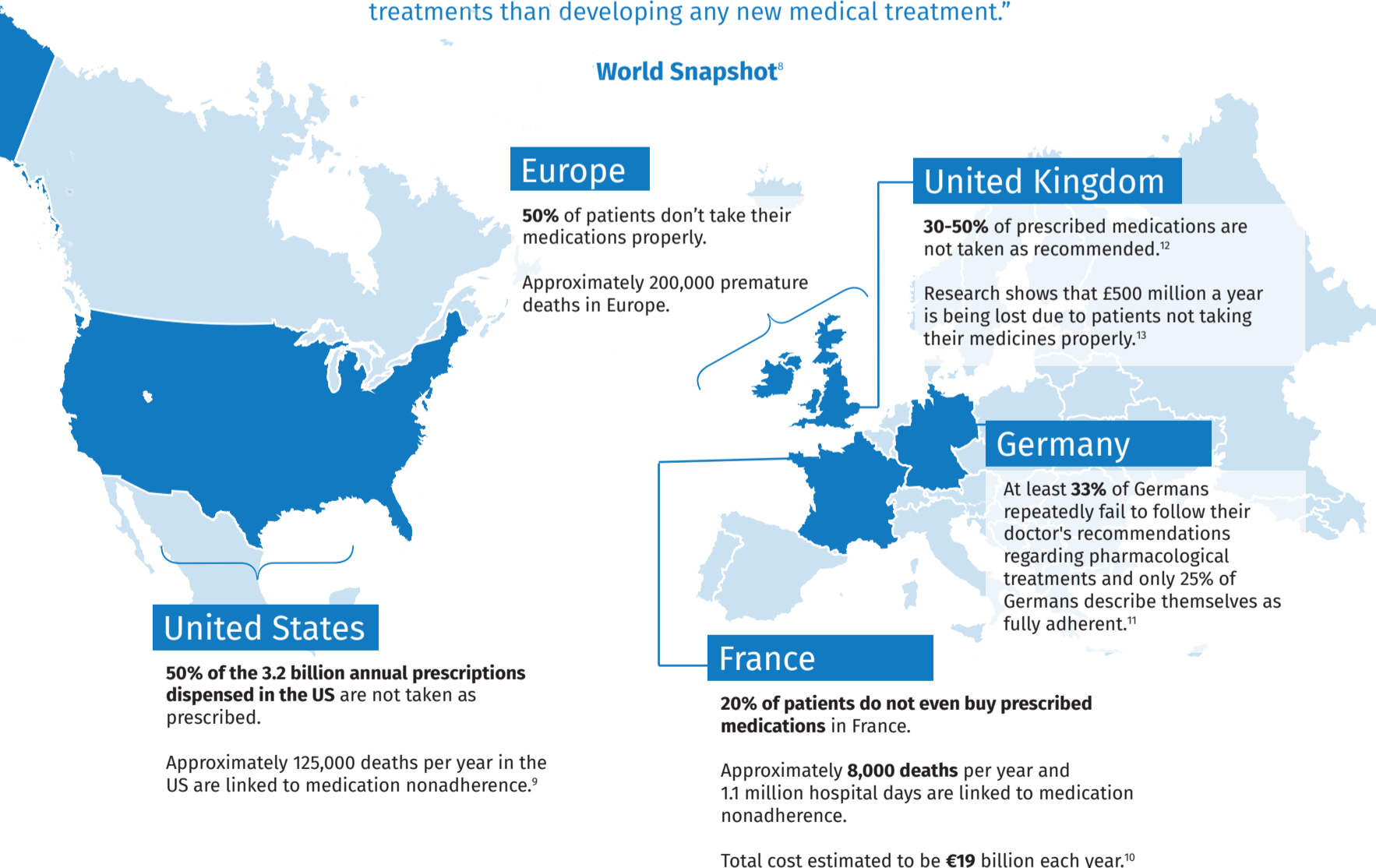
Increased Treatment Costs
Plus three additional medical visits per nonadherent patient every year in the US.⁸



World Health Organization:

“More health benefits worldwide would result from improving adherence to existing treatments than developing any new medical treatment.”

World Snapshot⁸



¹Nieuwlaat R, Wilczynski N, Navarro T et al. Interventions for enhancing medication adherence. Cochrane Database Syst Rev 2014; issue 11. Art. No: CD000011.doi:10.1002/14651858.CD000011.pub4.

²Medi-Voice Project <http://cordis.europa.eu>. ³Organisation for Economic Co-operation and Development, Health Working Paper No. 105, Investing in medication adherence improves health outcomes and health system efficiency; Adherence to medicines for diabetes, hypertension and hyperlipidemia, June 2018. ⁴MS Institute for Healthcare Informatics. Advancing the responsible use of medicines; applying levers for change. 2012 <http://pharmanalyses.fr/wp-content/uploads/2012/10/Advancing-Responsible-Use-of-Meds-Report-01-10-12.pdf> (accessed 10 Mar 2016). ⁵AIHW. Health and welfare expenditure series no.57. Cat. no. HWE 67. Canberra: AIHW, 2016. ⁶<https://healthprize.com/blog/medication-adherence-pharmas-637-billion-opportunity/>. ⁷American Pharmacists Association/APhA AP. Medication compliance-adherence-persistence (CAP) Digest. Washington DC: American Pharmacists Association and Pfizer Pharmaceuticals, 2003. ⁸Med-e-Tel 2014 - Economic aspect of medication adherence using mobile medication reminder in French Health System. ⁹http://scriptyourfuture.org/wp-content/themes/cons/m/Script_Your_Future_Briefing_Paper.pdf.

¹⁰<http://www.infirmiers.com/les-grands-dossiers/diabete/favoriser-observance-therapeutique.html>. ¹¹Medication Adherence in the General Population <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0050537>. ¹²NCCSDO. Concordance, Adherence and Compliance in Medicine Taking. December 2005. ¹³The True Cost of Medication Non-Adherence <http://www.letstakecareofit.com/wp-content/uploads/2015/10/The-True-Cost-of-Medication-Non-Adherence-Report.pdf>.