# Educate Before You Medicate

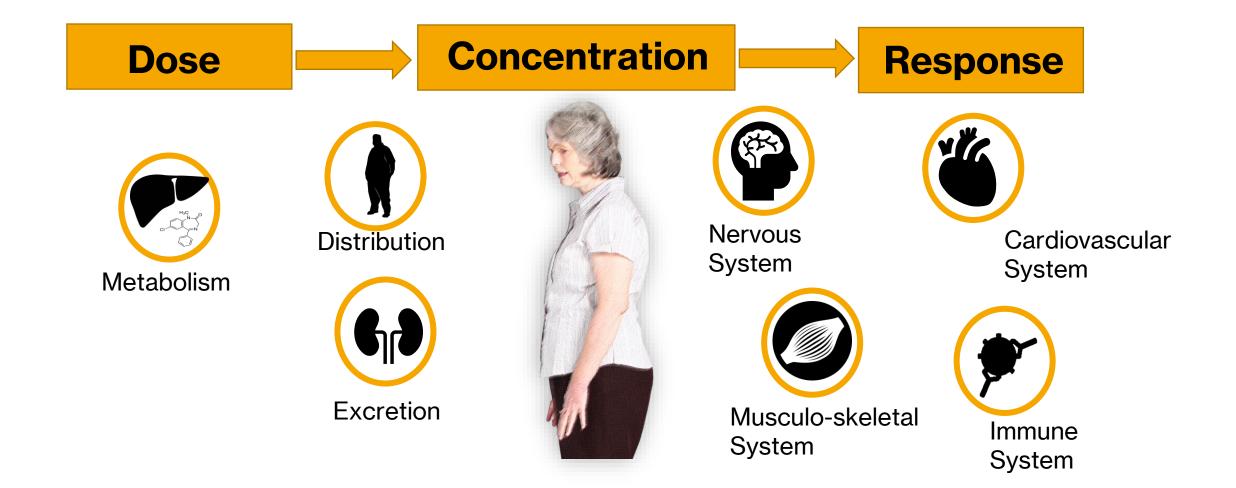
Patricia Slattum, PharmD, PhD, Virginia Center on Aging

## **Age-Friendly Healthcare**



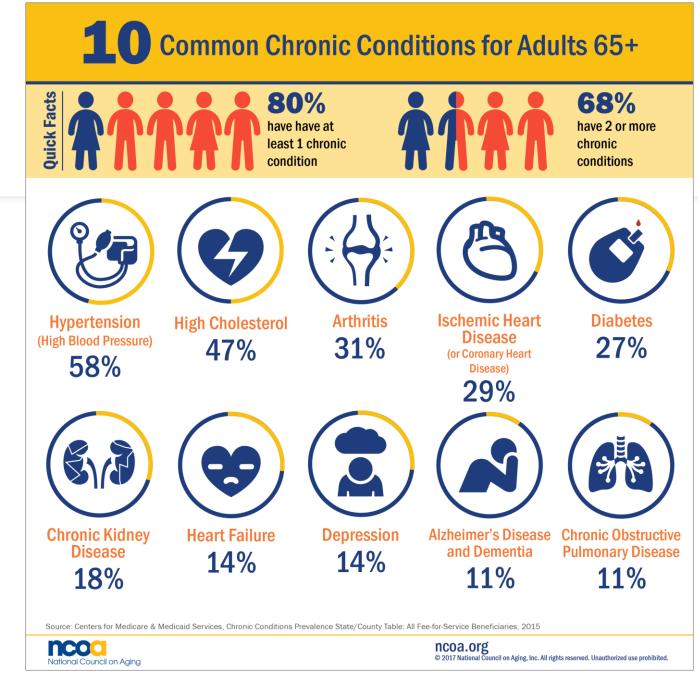
http://catch-on.org/oaf-home/oaf-catch-on-community-health/

### Changes with Age Alter Our Response to Medications



### Chronic Health Conditions increase with Age

https://www.ncoa.org/blog/10-commonchronic-diseases-prevention-tips/



# Polypharmacy is increasing

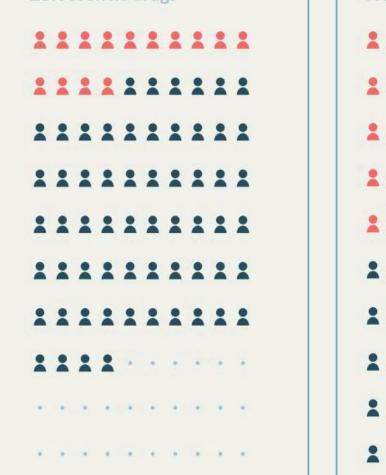
From 1994 to 2014, the proportion of older adults taking five or more drugs tripled, from 13.8 percent to 42.4 percent.



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#### 1994

14% took 5 or more drugs 60% took 1 to 4 drugs 26% took no drugs



2014

42% took 5 or more drugs 49% took 1 to 4 drugs 9% took no drugs

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https://www.cdc.gov/nchs/data/hus/hus18.pdf

https://lowninstitute.org/wp-content/uploads/2019/08/medicationoverload-lown-web.pdf

## **Medications: The Right Balance**

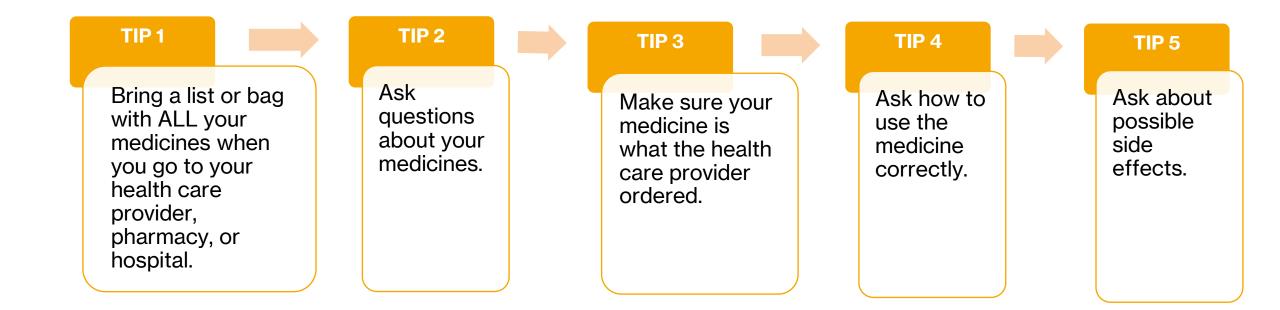
"Medications are probably the single most important health care technology in preventing illness and disability in the older population."



"Any symptom in an elderly patient should be considered a drug side effect until proven otherwise."

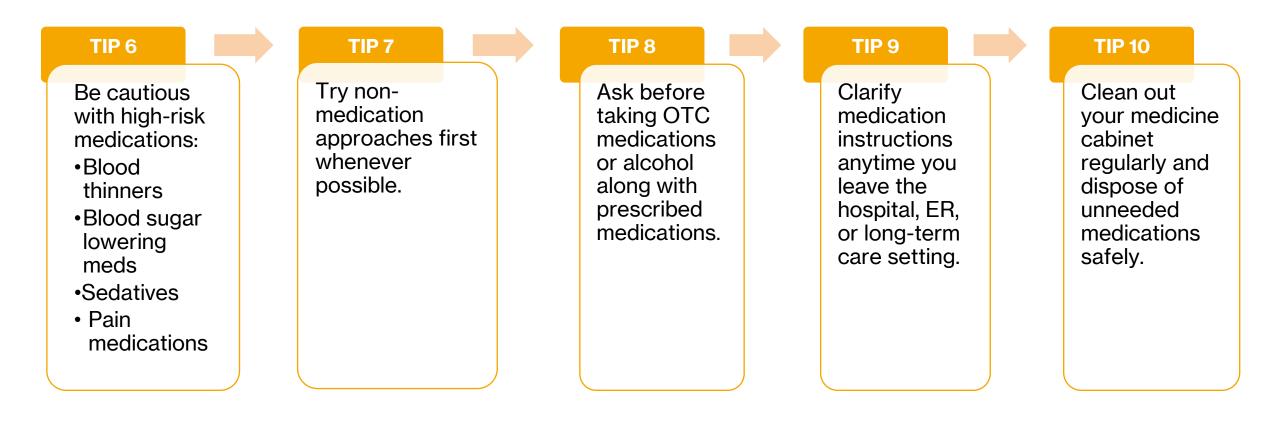
Avorn J. Health Affairs, Spring 1996; J Gurwitz, M Monane, S Monane, J Avorn. Brown University Long-term Care Quality Letter 1995

## **Tips for Using Medicines Safely**



Guide to Improving Patient Safety in Primary Care Settings by Engaging Patients and Families. Content last reviewed April 2018. Agency for Healthcare Research and Quality, Rockville, MD. https://www.ahrq.gov/patient-safety/reports/engage/medlist.html

## **Tips for Using Medicines Safely**



## **Additional Resources**

Safe Use of Medicines for Older Adults:

https://www.nia.nih.gov/health/safe-use-medicines-older-adults

Mind Your Meds: Medication Safety—Health Quality Innovation Network (HQIN) and Carolinas Center for Medical Excellence (CCME):

https://www.thecarolinascenter.org/services/provider-and-practice-transformation/mind-your-meds/

Mind Your Meds: Safe Opioid Use and Disposal—HQIN:

https://seniornavigator.org/mindyourmeds

BeMedWise—Needy Meds:

https://www.bemedwise.org/

Health in Aging—American Geriatrics Society:

https://www.healthinaging.org/medications-older-adults