

Mayo Clinic Minute

Pharmacogenomics is individualizing medicine

VIDEO	AUDIO
	Pharmacogenomics combines the science of drugs – pharma – and the study of genes – genomics.
Title: RICHARD WEINSHILBOUM, M.D. PHARMACOLOGY Mayo Clinic	The use of the information about your own genome – all that DNA – and how that affects the way you respond to drugs.
	Mayo Clinic molecular pharmacologist Dr. Richard Weinshilboum says DNA testing is now available for identifying many of the genes that could affect the way certain medications will work for you.
	Because of your genes, a drug might be metabolized – or gotten rid of – too slowly, causing a build-up of the medication.
	It may also be processed too quickly, reducing effectiveness.
	Who your mom and dad are – that is, the genes that they gave you – have something to do with how you're going to respond.
Graphic: PHARMACOGENOMICS Safety Speed Effectiveness	Dr. Weinshilboum says using your unique genetic makeup as a factor when prescribing drugs can improve safety, and increase the speed and effectiveness of drug therapies.
	So, this will help us to use these powerful agents, in the best way possible.
Graphic: newsnetwork.mayoclinic.org	For the Mayo Clinic News Network, I'm Jeff Olsen.