- Cultural factors
 - Attitudes
 - Beliefs
 - Family influence
- · Biological factors
 - Age
 - Gender
 - Weight
 - Disease
 - Genes
 - Pharmacogenetics
 - Pharmacogenomics

Cardiovascular drugs and racial/ethnic origin

- Ace inhibitors
 - More effective in Caucasians than in African Americans
- Beta Blockers
 - More effective in Caucasians than in African Americans
- Alpha Blockers
 - tesale.co.uk • More effective in Caucasians than in African Americans
- Thiazide (diuretic)
 - More effective in African Americans than in caucasians

BiDil in African Americans with Congestive Heart

- Isosorbide/hydralazine considering

| Class of drug | | Non-responders (| %) |
|--|------------------|-----------------------|--------|
| SSRIs | | 10 - 25 | |
| ACE inhibitors | | 10 - 30 | |
| Beta-blockers | | 15 - 25 | |
| Tricyclic Anti-depressants | | 20 - 50 | |
| HMGCoA reductase | | 30 - 70 | |
| Beta2 agonists | | 40 - 70 | |
| | onces to therane | eutic drugs (USA data | a) |
| Adverse respo | maca to incrapt | cuite drugs (OBA dau | a) |
| Adverse responsible Annual Prescriptions | Adverse | Hospitalizations | Deaths |

^{*}Drugs in bold = important for this course