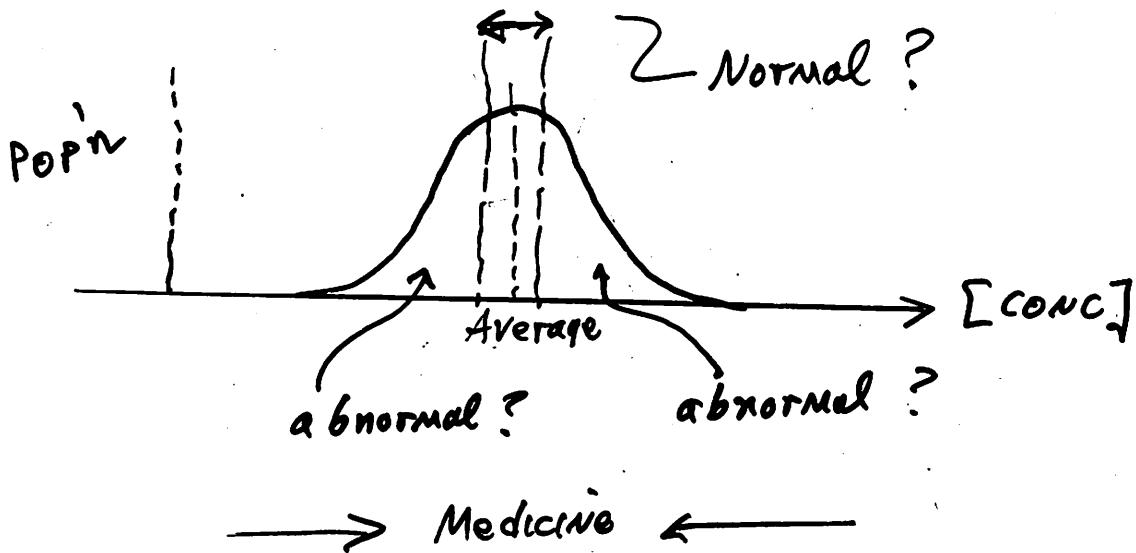
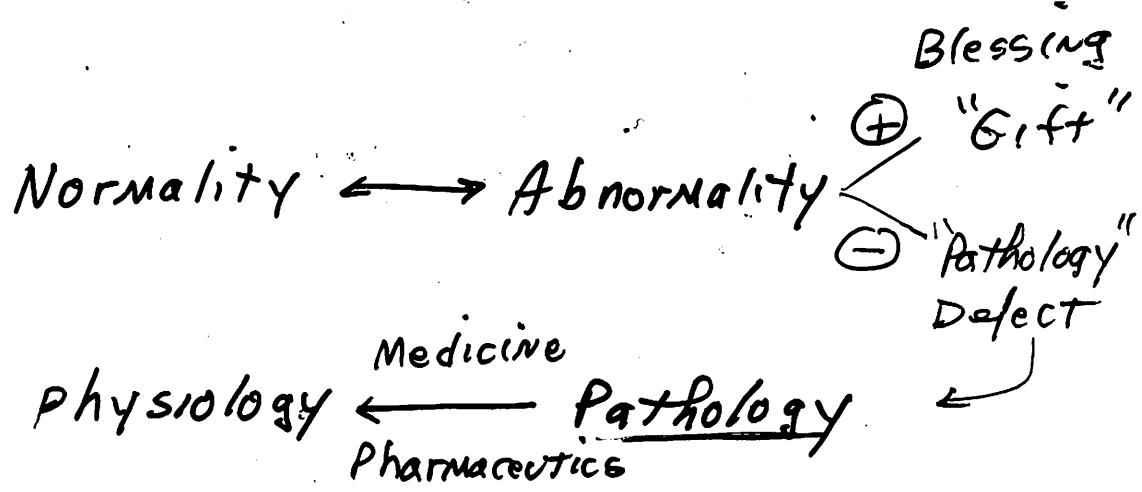


## Education:



The narrower the better!

deviant data

standard "deviation"

95% confidence, 90, 67 ???

We strive for NORMALITY  
We wish for average

### Biochemical Individuality

Roger Williams, U. of Texas Pr.

~25 Years Ago.

Modern medicine — health care

treats us as

average

normal — or abnormal

Average dose — doesn't "work"

try another

Your pharmacologic baseline?

Your personal normality?

People know they're different

know about mental state &  
health — nutrition — ...

⇒ Alternative medicine:

food supplements / vitamins / herbs / ...

Modern medicine — in USA — only beginning  
to understand.

Why? \$ — red ink — costs

— clinical tests, "diagnostics"

"Confirm a diagnosis": Diagnostic hypotheses

"Screen" IF .... : "shotgun"

Cost/Benefit ratio

C ↓

Health Care Costs \$ ⇒ C/B ↓ B ↑

Example: Type II Diabetes  
7-15% of 260 Million  $\frac{1}{2}$  undiagnosed  
10-15 M people → complications of  
unmed diabetes?