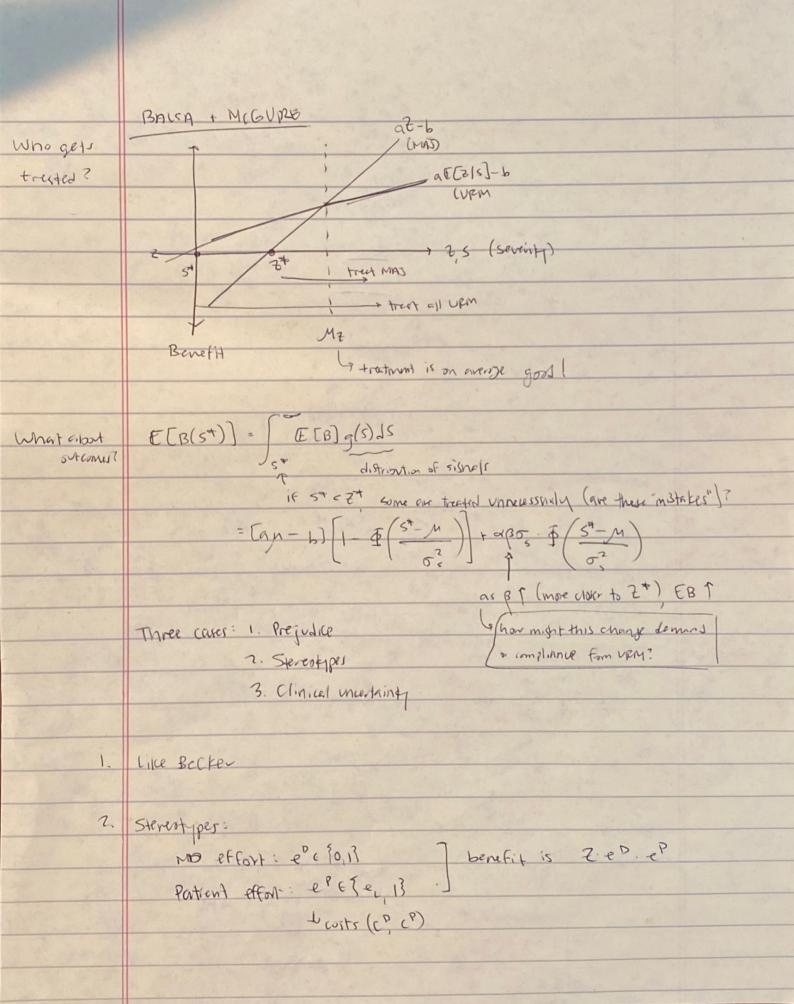
	LECTURE & NOTES HEALTH EQUITY
A	BECKER (1957) [10-15 MINS] From LABOX ECON
emplayer ut	We = Me (T, Lupy)
	profits I disutility for exposure to uncintred/marginalized group
	due/dluga co => yipos! (1 for labor)
employee	bogatisiti. 11 = E(runz + rabil) - Mr Lines - MARIN FRENT
	Gnormalized by God of W.
	If We = T - delvem, what is optimal (LMAT LVRM)?
	due(dlmas => F'(·) - W = 0 => hence F'=1
	dve/dlven => f'(.) - w-de=0 => hence/wven = 1-de
	wage gap!
	* What if de ~ F (employers) randomly?
	- Separating elby Some hire UPM only out tale some hire MAJ
	· What about dynamics?
	- should push towards a soperating upon as well!
	- Firms enter, exit moved to bored a de and labor supply.
B	BALSA + McGUIRE (2001, 2003)
Primitives	- 1 (majority gosp) MD - why in the majority?
	- 1 illness with seventry 205 Z~ N(MZ OZ)
	- MD observes signal S=Z+E, E~N(O JE)
	Mence 5 ~ N(MZ, JZ+ JE)
	c Auproses = Locations = 1 2
MAIN ASSUMPTI	an: EMAT =0, EVEM >0.

BALSA + MCGUIRE, CONTINUED MD Posteriors: E[215] = (1-B) M2 + B5
weight on prior weight on signed Beliefs priors ME signal: 5 where  $\beta = \sigma_z^2$ · FOR MAJ: B=1 => believe the (perfect) signed . FOR UPM: Bel => Long (Fully) believe the potiont => MO chooses a treatment threshold 5th to MIX patient U Up = } - b treated < cost of treatment PATIENT UTILIM - az not treated = illness costs what is the decision me? ECB) = E[az-b] - a E (2) - b = a[[[215] - b = a[(1-B)M+B5]- L aptimal treatment is where EB) is maximized: 5 = dEB) =0 5 = 6-a(1-B) 42 How do signals differ? [5thm= ap = b SUPM: B<1 SO note 15 (B) NZ 2 b wen is SURM ? STUDY (loss in access)? b-a(1-B)42 2 bB 20 - a(1-B) nt 2 b (B-1) Realistic? -anz = -b unen any treatment is helpful,



	BAUSA + McGNIFF continued
	2×2 GAME THEORY:
	en ei
	Patient Cooperate (2-c? 2-c) x (-c?,0)
	Patient Cooperate $(z-c^2, z-c^2) \times (-c^2, o)$ $\overline{c} \qquad (ze_L, ze_L-c^2) \qquad (o, o)$
	<ol> <li>40</li> </ol>
	955VMe)
	How to find epom? Take other's choice as given!
	Pat (1. If $e^{D} = e_{H}$ , then cooperates if $Z - C_1^2 > Z_{e_1}^2$ 2. If $e^{D} = e_{L}$ then never cooperates
	2. If e = e, then never cooperates
7734 2 16	MD (1. If $e^P = 1$ , then $e^P = e^H$ ) 7. If $e^P = e_1$ , then $e^D = e^L$
	(7. If ep=e, then ep=et
	* 50 (0,0) is an artume, as is (cooperate ex) if Z-cp>201.
2000 1 10	* How would streatipes offect this?
3.	mat it uz is different for MAT and way.
	- race-based risk differences [MURM > MIMAJ]
	· others?
	-> now let & be same for MAJ + VPM
	-7 treatment thresholds are the same: 5th = - (1-B) M: (B [a=1]
	-> hance Suzm - Smaj = 1-B (Mmas - Hvem) [Short flight Mazmu]
	-> hunce Suzm - Smaj = 1-B (Mmas - Hupm) [Shark flip if MB > Mw)  E(as) May E(BIS) Upm Upm Suzm Upm MASS SUZM Upm MASS SUZM Upm MASS SUZM MASS SUZ
	AMI 2 CONV-ON!
	STATE STRAN

LECTURE 8: HEALTH EQUITY (A) Becker (1957) Ue = Ue (To lvem) unth due co Profits VemLaba dlum IL = E( ( LWH) - M FWH2 - MOEW FORM total labor supply two wass (W=1) Assume Me = T - de lupin MAX UR: QUR = F'(1)-1=0=7 [F'(1)-1=1] due = f'() - wen - de = 0 =>

[ wen = f'() - de] (B) Balsa FMCGVIRE - Underlying severty 2-N(Mz, Jz) - MD signal: 5~ N(MZ, 52+52) 5=Z+E E~N(0,00) EMMS = 0 => S= Z EVAM 40 => 5= 2 + E -MD's beliefs: Priors: MZ & => posterior beliefs

E[7]5] = (1-8) Mz + BS where  $\beta = \frac{\sigma_{z}^{2}}{\sigma_{z}^{2} + \sigma_{e}^{2}}$ 

## PATIENT UTILITY

$$E[B] = aE-b$$

$$E[B] = aE[Z]-b$$

Benefit
| From treatment

