

\* where we ashfere (1) and (2)

what happens in egbm?

## RISK ADJUSTMENT

- signal of type i E {H, L} shawn to everyone:

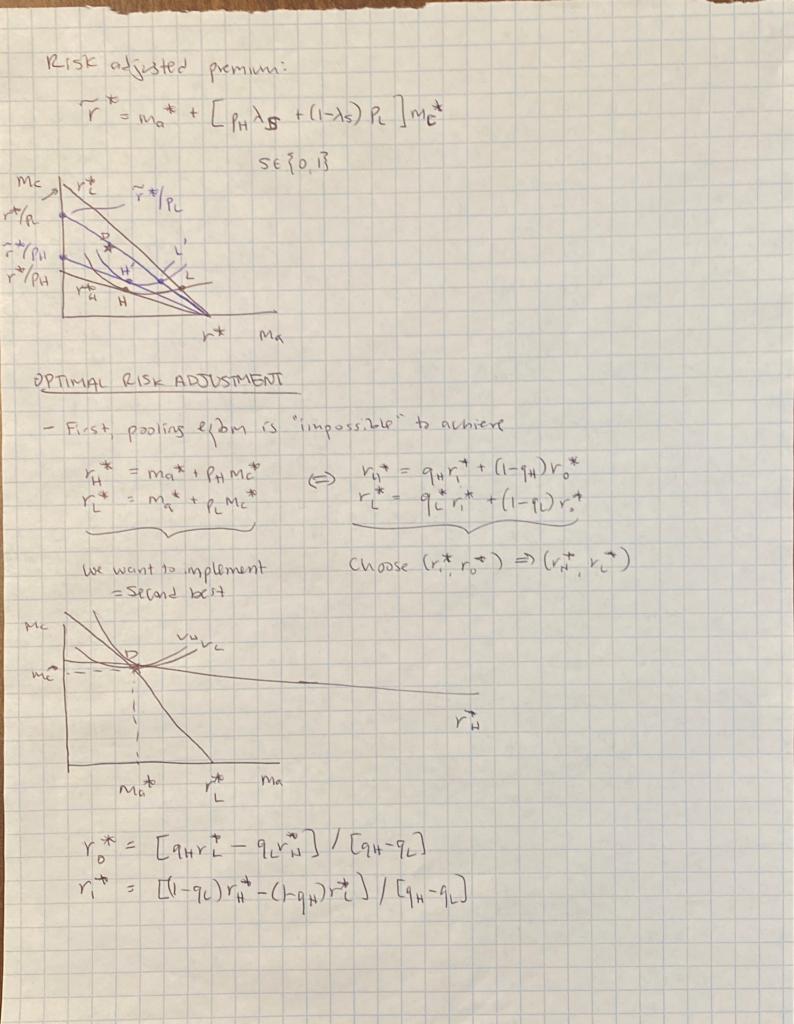
INFORMATIVE

- signals are "noisy": 9 = Pr (5-1/16 { H, LS)

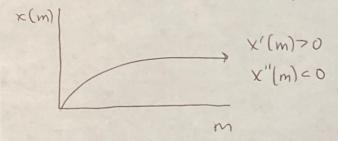
9H 79L

- possection beliefs: transform qi -> >i

XH= X.9H Similarly XL= (1-X).91



- patients choose investment m  
and 
$$\chi(m) = Pr(i = L(m))$$



• Suppose 
$$\lambda_{\xi}(e, m)$$
 and specifically  $\lambda_{0}$ ,  $\lambda_{1} = \lambda_{0} \cdot \times (m)$ 

## SOCIAL PLANNER'S

$$W = B(m) - m - e$$

$$B(m) = \lambda_0(e) \cdot \chi(m) \left\{ \left[ B_L - C_L \right] - \left[ B_H - C_H \right] \right\}$$

$$Ret benefit for being 1 au - rist than bling hish$$

Problem: MAX W

Foc: 
$$\frac{\partial W}{\partial m} = 0 \Rightarrow B'(m) = 1$$

