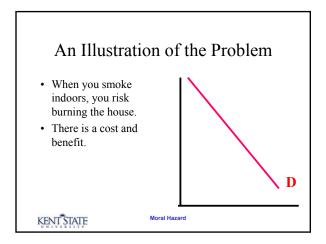
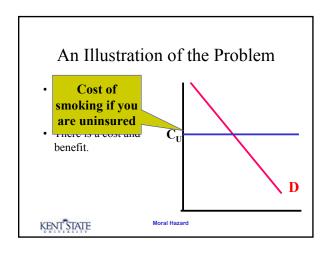
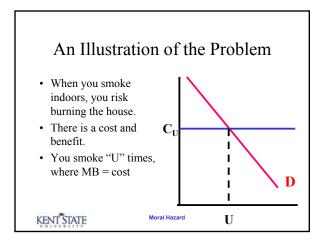
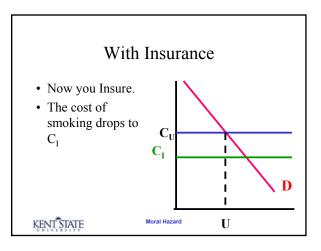


Moral Hazard • The so-called moral hazard problem comes about because of asymmetric information.

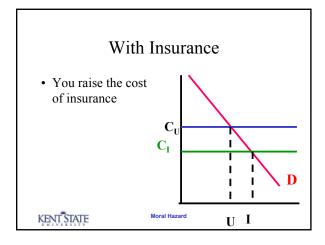


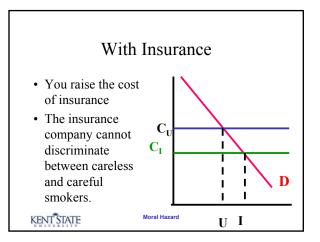






The Insurance Company's Problem • Now you Insure. • The cost of smoking drops to C_I • You Smoke "I" times. Moral Hazard U I





Moral Hazard • This problem involves asymmetric information. • People are induced to change their behavior

Moral Hazard

Moral Hazard

- This problem involves asymmetric information.
- People are induced to change their behavior
- It would not come about if we had perfect information.
- Alas, the world is not that easy.

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Moral Hazard

Producing High and Low Quality Products

 Another example: should you produce a high quality product or cheat your customers and produce a low quality product?

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Moral Hazard

Producing High and Low Quality Products

- Another example: should you produce a high quality product or cheat your customers and produce a low quality product?
 - If there is perfect information, you can't cheat.
 - If there is asymmetric information, you can.



Moral Hazard

Producing High and Low Quality Products

- Suppose you can produce a high quality product and consumers cannot initially tell.
 - Of course, they can eventually tell.
 People are sometimes slow, but not stupid.
 - Suppose you can trick people for one year.

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Moral Hazard

Will a Monopolist Produce a Quality Product?

- The monopolist can produce a high quality product for \$15 or a low quality product for \$10.
- During the first period, consumers cannot tell which they are getting.
- The profit-maximizing price and quantity are \$20 and 100 units.

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Moral Hazard

Will a Monopolist Produce a Quality Product?

- Produce the low quality product for one period.
 - Sales are \$2000; costs are \$1000
 - The monopolist makes \$1000 but for one period only.

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Moral Hazard

Will a Monopolist Produce a Quality Product?

Produce the low quality product for one period.

Produce the high quality product, and get repeat sales.

- Sales are \$2000; costs are \$1500
- The monopolist makes \$500 a period.

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Moral Hazard

Will a Monopolist Produce a Quality Product?

• Given reasonable discount rates the monopolist will choose to produce the high quality product *given these numbers*.

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Moral Hazard

What about Competitive Firms? • Stay Tuned. Moral Hazard

