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# **Willing Milling USA** Consultants and Actuaries

Critical Issues in Managing Critical Illness Insurance Date: March 18 & 19, 2002

### Critical Illness - A Brief Overview A "Typical" Critical Illness Policy

if

\$

Lump Sum Cancer Heart Attack Stroke Kidney Failure

#### Critical Illness - A Brief Overview Lump Sum Benefits are "Free" Cash

Can Be

Used

for...

Medical Expenses Experimental Treatment Travel Debt Restructure Specific Expenses Other



Lump

Sum

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#### Sample Benefit Design

\$100,000 Payable on First Occurrence of... Cancer Heart Attack Stroke Kidney Failure

Waiting Period (Elimination Period): Full benefits payable after an initial waiting period of 30 days.



Survival Period: Full benefits payable if insured survives until the 31st day after the occurrence.

# Possible Benefit Options\$\$\$\$Double benefits if claim<br/>occurs before age 65Full benefits payable

\$

for additional illnesses

- Kidney Failure
- Organ Transplant
- Severe Burns, etc.

Partial benefits for less severe conditions

- Angioplasty 10%
- By-pass surgery 20%

Three "Key" Types of Assumptions:

Policyholder behavior morbidity persistency antiselection acq. and maint. expenses Agent training and motivation

commission acquisition expenses claims expenses

Corporate expectations

profit





Know Your Critical Illness Customers - they are a subset of your current customers! Who will buy? Why will they buy? What makes this product have "value"? Where will they hear about it? When will they purchase?





Know Your Critical Illness Sales People - they will be a subset of your current sales force! How will agents be trained? What tools will they have? What will be there motivation? Where can they create misunderstanding?





Know Your Corporate GoalsWhat is your company's tolerance for risk?Does management understand how earnings will flow for this product?

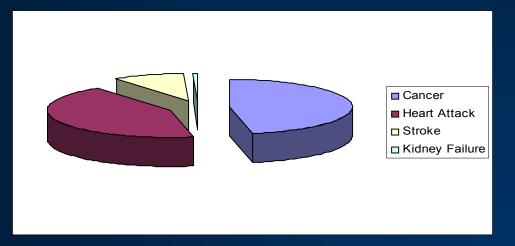
Does management understand what the real risks are?

What tools will be available to manage this product?

#### **Risk Characteristics**

#### Some "Disease Diversification"

#### Average morbidity by 4 primary diseases





#### **Antiselection Protection**

Waiting Period - # days after issue before full benefits payable

Survival Period - # days after illness occurs before full benefits payable - if claimant survives.



Pre-ex Period - excludes pre-existing conditions

Underwriting Considerations Personal Lifestyle tobacco use avocations / hobbies / travel **Family History** relatives history of stroke, c.a.d., cancer Medical History c.a.d., stroke, diabetes, HIV, etc. **Physical Condition** height / weight

#### Underwriting (cont.)

Tools

Application

Attending Physician Statement

Personal History interview

Lab Testing

Medical Exams



Consider the three key types of assumptions.....

Consider the risk characteristics and risk management features.....

NOW, we can begin developing assumptions



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#### Morbidity

Morbidity Sources Specialty studies Government publications Internal data Consulting organizations Reinsurers

Morbidity modifications Selection Market factors etc.



#### Lapse Rate

Pattern by duration
Year 1: high, but how high?
Years 2: 15%-20%
Ultimate: 12%- 15%
Expect variations by age.





Driven by several factors: Stand Alone vs. Rider Individual vs. Group "Packaged" Underwriting Corporate Philosophy



#### Expenses (cont.)

Expenses:

Acquisition - consider "not taken" rate. Potential for "package" underwriting.

Maintenance

Claims - unique adjudication issues, no "run-out" period

Commission: Yr 1, 50%-70%

Renewal, 5%-15%

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