Long-term Care Insurance: Basic Pricing and Rate Increase Concepts

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Purpose

- To provide a basic explanation of:
 - Long-term care (LTC) insurance product features
 - Pricing
 - Reserves
 - Premium rate increases
- The explanation is very simplified and meant for a non-technical audience



LTC Insurance Benefits

UPON DISABILITY

MANY POLICIES ALSO REQUIRE RECEIPT OF LTC SERVICES

LTC INSURANCE PAYS OUT...





LTC Insurance Benefits

Not a lump sum:

a benefit is paid each day up to a maximum benefit per day

Limit on total amount paid out

Many policies do not pay:

- During the entire disability episode
- Until the disability lasts a certain amount of time

By law, policies must cover the insured for his entire life while he pays premiums

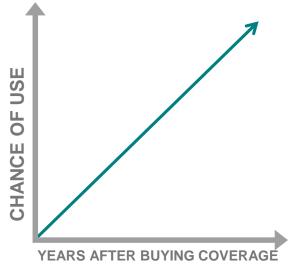


 Option to automatically increase benefits each year is offered at purchase, so they keep up with increases in costs of care

The Chance of Using Benefits





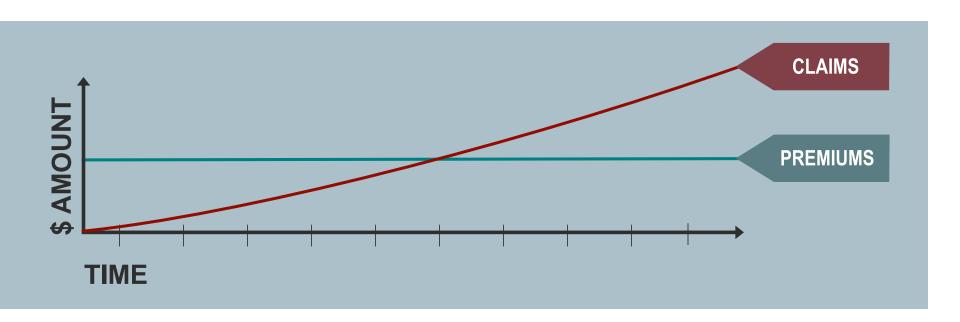


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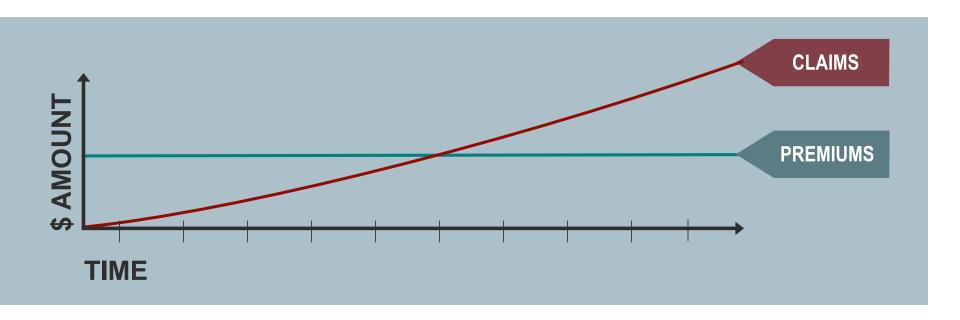
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However, **claims** are expected to increase over time.

Insurers must set aside **some of the premiums** in early years in a **reserve**.

Insurers use this reserve to **fund claims** in later years.





Setting Premiums Aside

Premium dollars are used as follows:



POLICY ADMINISTRATION

AGENT COMMISSIONS

STATE & FEDERAL TAXES

DISTRIBUTION TO SHAREHOLDERS AS PROFIT

RESERVE FUND TO PAY FUTURE BENEFITS

The Reserve is Like a Savings Account



Net premiums DEPOSITS

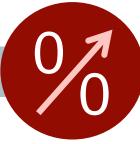




Benefit payments WITHDRAWALS



- The savings account is held for the benefit of all the policyholders.
- It can only be used to pay benefits for those who become disabled.
- It is not paid to people who die or stop paying premiums.



The Net Premiums are Like Scheduled Deposits

The scheduled deposit amount (premium rate) is determined at the beginning based on estimates about:

- Amount that will be withdrawn (benefit payments)
- Interest rate that will be earned

If either of these estimates are different, the account may not have enough to cover future withdrawals.





Interest Rate



The **interest can change** if the economy changes.

Changes in economic conditions in the past 20 years have led to a dramatic drop in interest rates.

Many companies assumed that interest rates would be **6% to 8%** when products were priced in the 1990s

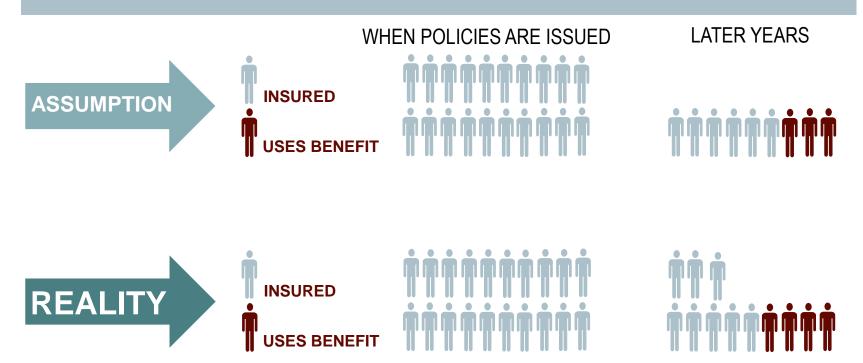
Rates have dropped to 3% to 4%

Withdrawals From the Savings Account

The amount of funds withdrawn is dependent on 3 key things:



The number of people that keep their policies up to the point when benefits begin to be paid

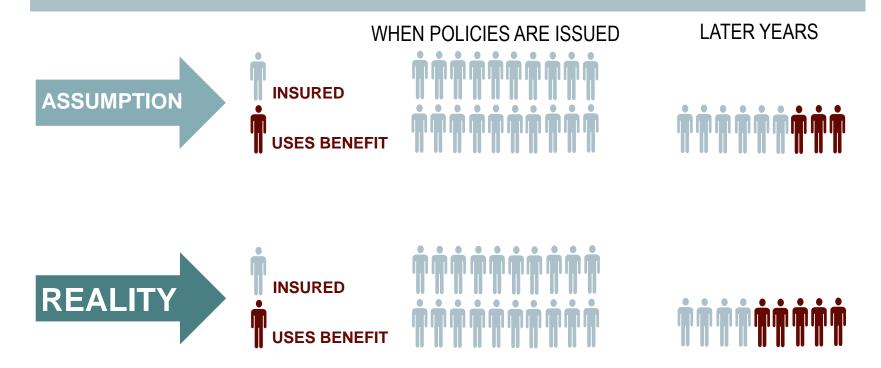


More people have kept their policies than originally expected. People are also living longer than originally expected.

Withdrawals From the Savings Account



Of the people who keep their policies, the number of people who use benefits



Industry experience has been mixed compared to what was originally thought.

Withdrawals From the Savings Account



Amount that is paid out to people who use benefits

Recall that a **lump sum benefit** is not paid when a person becomes disabled.



Amount paid will not be known in advance.

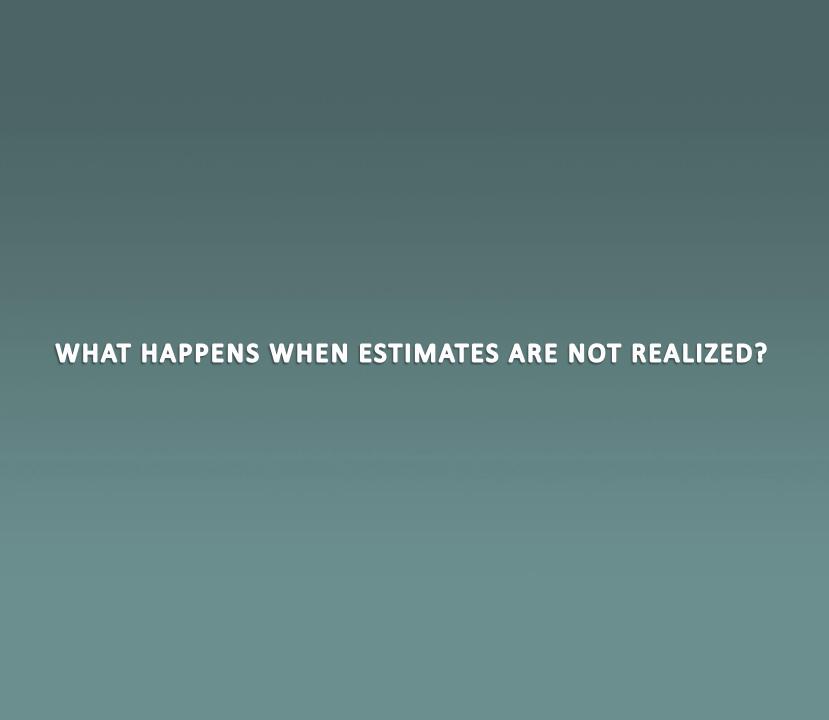
This amount paid is estimated based on past observations.



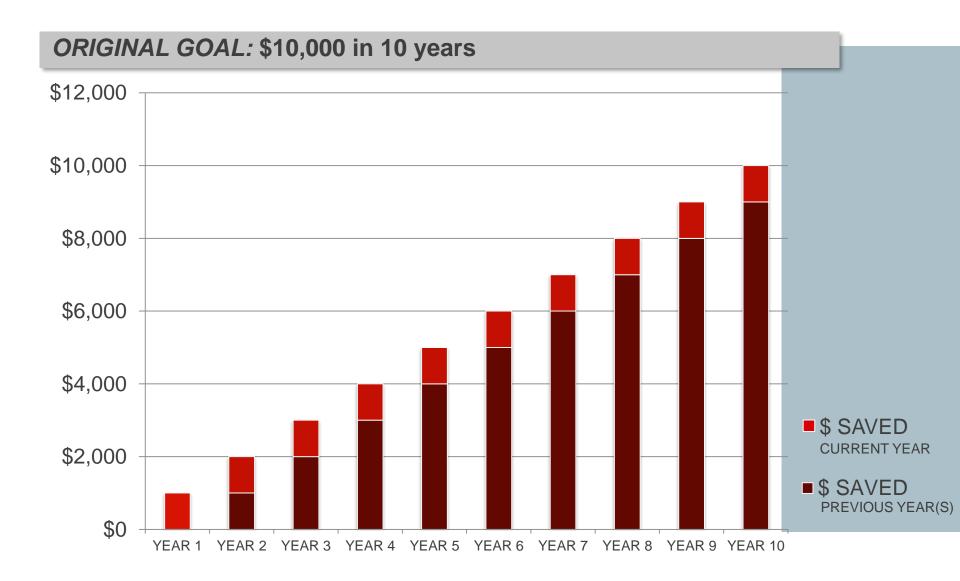
It will depend on:

- Number of days of disability
- Intensity of care
- Cost of care

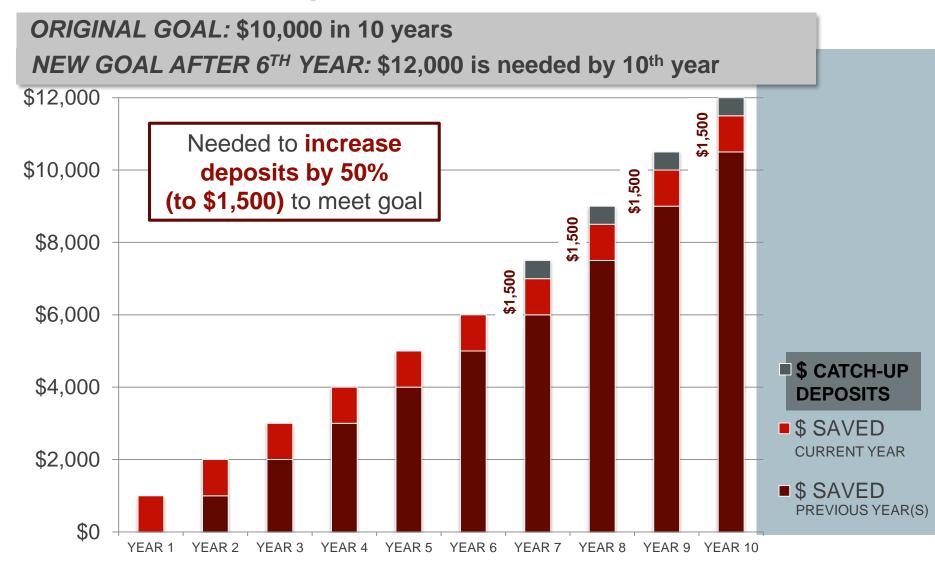
Length of time in nursing homes has not changed much. However, more people are receiving care in assisted living facilities, where people live longer. This has led to higher benefits being paid.



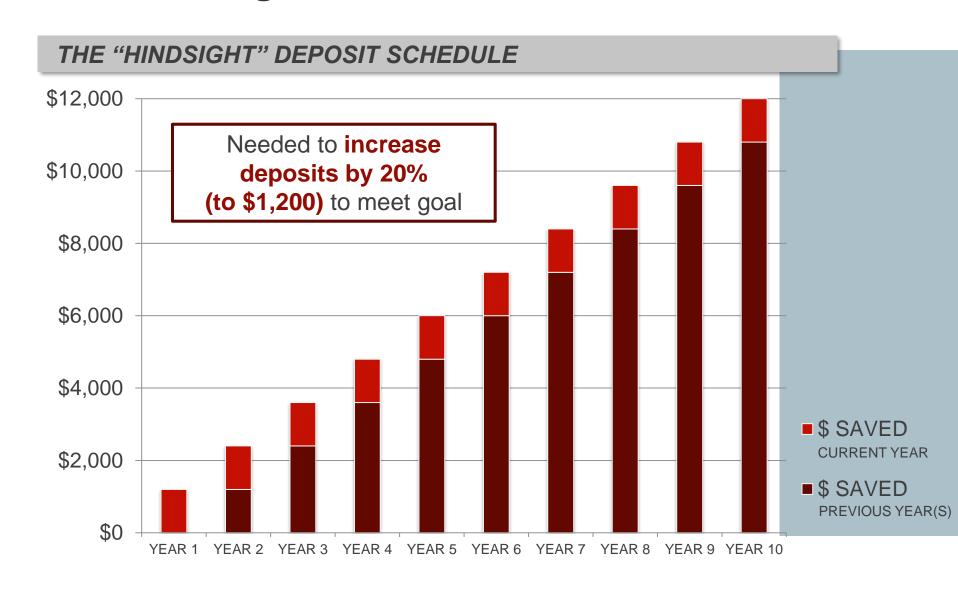
A Simple Savings Plan Example



When Not Enough is Saved: Need to "Catch-Up"

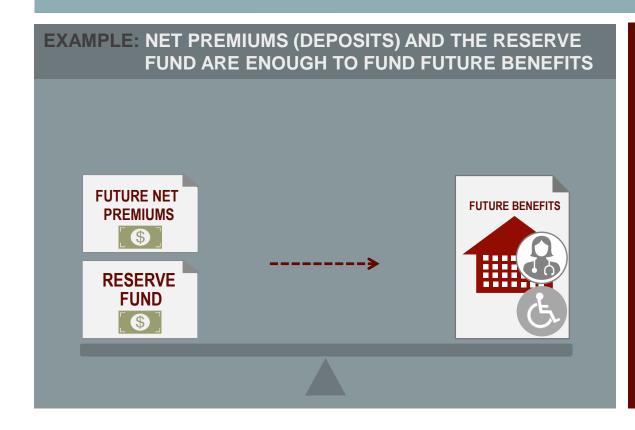


With Hindsight



Application of the Simple Example: How it Should Work

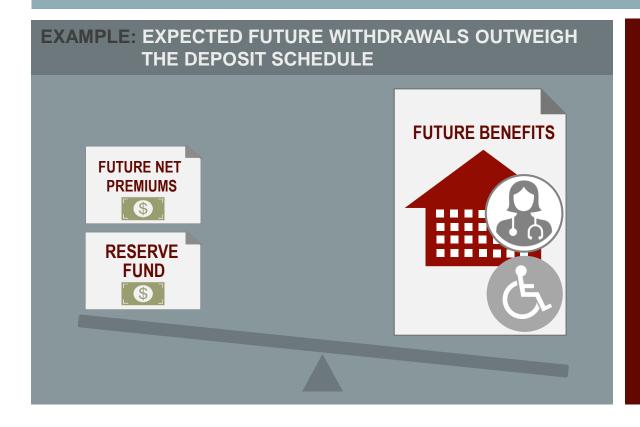
In this example of a block of LTC policies, at a given point in time:



This model shows the two sides in balance.

Out of Balance

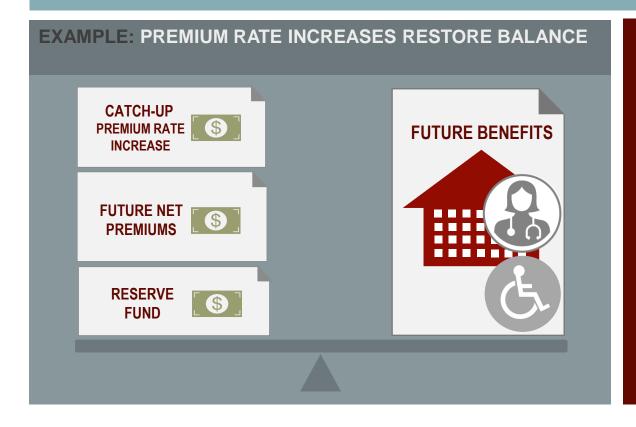
In this example of a block of LTC policies, at a given point in time:



The two sides are out of balance.
There will not be enough money to fund benefit payments.

Restore Balance: Premium Rate Increase

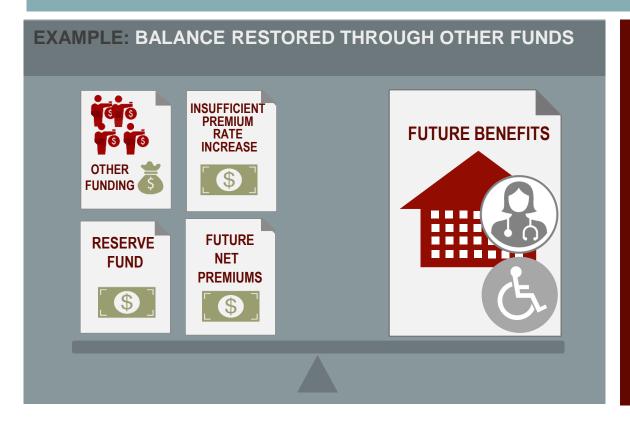
In this example of a block of LTC policies, a premium rate increase is implemented to restore balance:



Balance is restored via rate increases.

Restore Balance: Include Other Funding

In this example, a premium rate increase is implemented, but it is not enough to restore balance:



Other funding must come from:

Company surplus: one-time "deposit" which is ultimately from other policyholders or shareholders.

Other policyholders: Taken as needed from premiums of other policyholders QUESTIONS?