Disability Insurance: The Private Sector

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Overview

Market Overview

Private Disability Market

- 1. Individual Disability Market (IDI)
 - Mostly professional occupations: physicians, attorneys, etc.
 - Individually underwritten
 - Issue-age rates with long term rate guarantees (non-can, GR)
 - \$5 bn annual premium
 - Roughly 15 insurance carriers

2. Group Disability Market (STD/LTD)

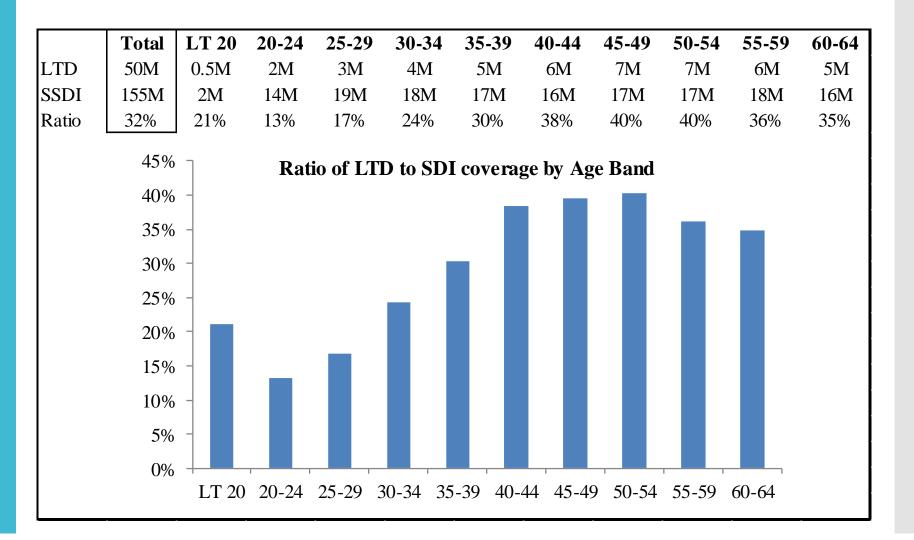
- Wide range of covered industries & occupations
- Guaranteed Issue
- Attained-age rates with 1-3 year rate guarantees
- \$17 bn annual premium (\$5 bn STD, \$12 bn LTD)
- Roughly 30 insurance carriers

Market Overview

Group LTD

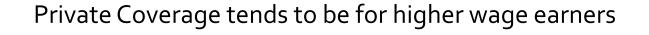
- Average annual premium ~ \$250 per employee
- Covered employees ~ 50 million lives
- Penetration ~ 35% of employees have LTD
- Penetration varies greatly by group size
- Penetration varies with employer funding
- Demographics of Group LTD insured lives see next slides

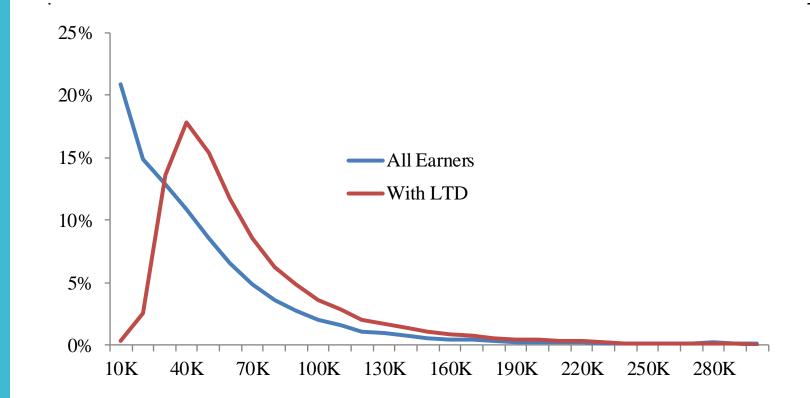
LTD Coverage is between 30% and 35% of the SSDI Coverage



Market Overview

Market Overview





BLS 2017 - National	
2017 LTD Prospects	

Average Salary by Percentile					
10%	25%	Median	75%	90%	
\$20K	\$25K	\$38K	\$61K	\$96K	
\$26K	\$34K	\$50K	\$78K	\$122K	

Short Term Disability (STD)

- Elimination period: 1-2 weeks
- Benefit period: 3 or 6 months
- Replacement ratio: 70-100% of Salary
- Definition of disability: unable to perform "own job"
- Offset: typically does not integrate with SSDI or other income
- Incidence rate: 60 / 1,000 lives insured (per annum)

Long Term Disability (LTD)

- Elimination period: 3 or 6 months
- Benefit period: to age 65 or SSNRA
- Replacement ratio: 60-70% of Salary
- Definition of disability: "own occ" (first 24 mos.) / "any occ" (> 24 mos.)
- Offset: typically integrates with SSDI or other income
- Incidence rate: 3-4 / 1,000 lives insured (per annum)

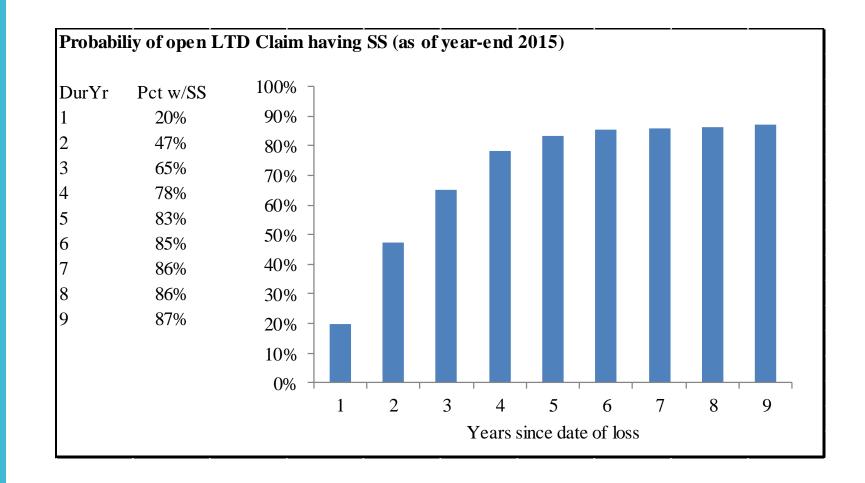
Long Term Disability (LTD)

Benefit Example

\$5,000/month Salary
<u>x 60%</u> LTD Replacement Ratio
\$3,000/month LTD Gross Monthly Benefit

If claimant awarded \$1,000/month SSDI, it is offset from gross benefit:

- \$3,000/monthLTD Gross Monthly Benefit-\$1,000/monthSSDI Benefit
- \$2,000/month LTD Net Monthly Benefit



LTD Claims Management

<u>Claim approvals</u>

• Validate inability to work (APS, IME, FCE)

Return to work

- Primary focus is to help claimant return to gainful employment
- Work directly with employee and employer
- Vocational Rehabilitation, worksite modification, financial incentives, etc. all used as tools to assist with RTW

<u>SSDI Advocacy</u>

- Help claimants with SSDI application process (often 3rd party)
- Reduces insurance benefit, but claimant eligible for Medicare and typically receives the annual COLA increase

Actuarial considerations for Group LTD

Incidence rates

Claim termination rates

Death

Recovery

Offsets

- Amount
- Duration

Interest Rates

Note: considerable work recently by SOA on claim termination rate studies, yet more than 30 years since industry-wide Group LTD incidence study.

LTD Cross Industries Studies

GLTD2008: Society of Actuaries Termination Study Years: 1997-2006 Participation: 21 carriers, 12 of top 15

GLTD2016: Society of Actuaries Termination Study Years: 2004-2012 Participation: 26 carriers, All of top 15

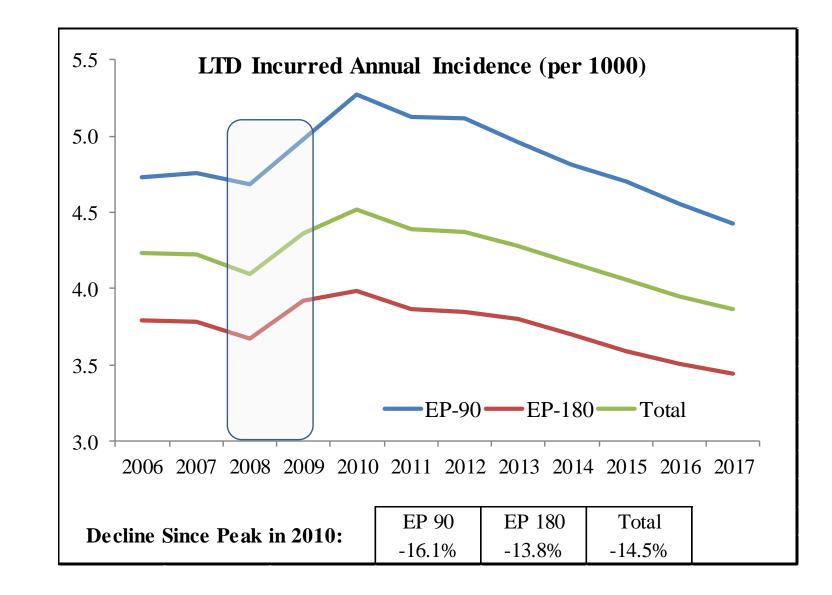
2018 Private Incidence Study Years: 2008-2017 Participation: 19 carriers, All of top 15

2011 Private Incidence Study Years: 2006-2010 Participation: 19 carriers, All of top 15

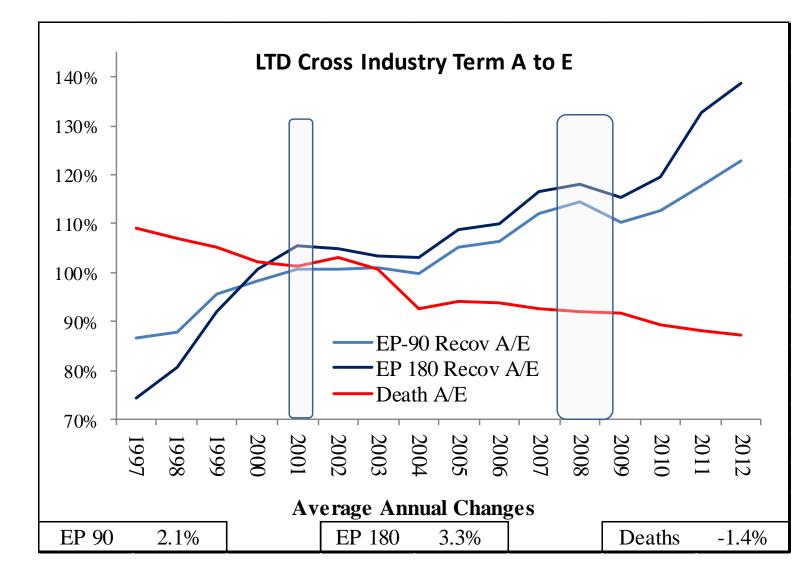
2016 Private SS Approval Study

Years: 2005-2016 Participation: 19 carriers, All of top 15

Incidence Trends



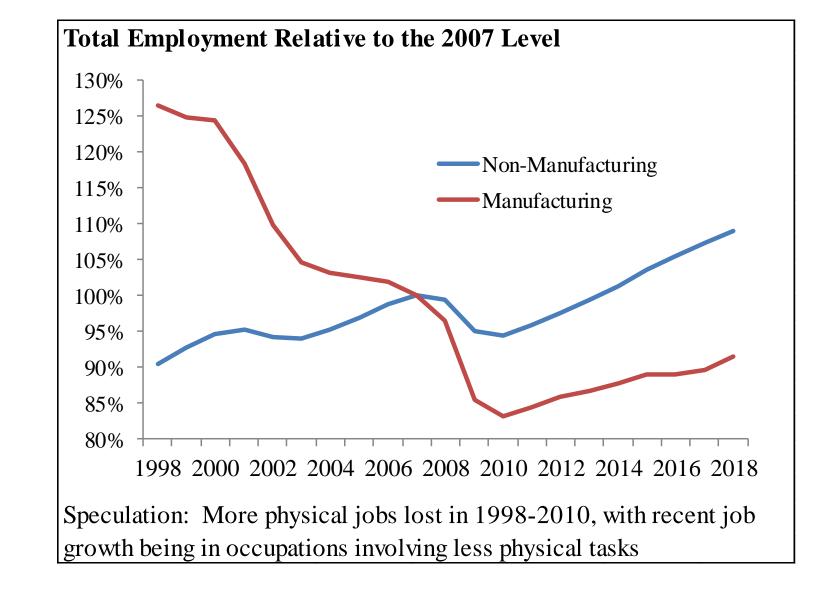
Claim Termination Trends



Expectation: E = GLTD2008 Reserve Table (based on 1997-2006)

Common Industry Speculations on declining incidence

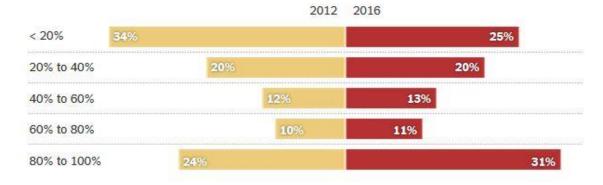
- 1. Improving economy and low unemployment reduces incentive to file: will revert if economy worsens
- 2. Older age workers (55-65) do not have sufficient savings... reluctant to leave workforce for disability due to fear of losing their jobs
- 3. Increasing automation reduces physical nature of many jobs.
- 4. Increased workplace accommodation (remote employment options) makes it easier to work with a disabling condition
- 5. Improved health outcomes reduces prevalence of long-term disabilities.



Increasing Remote Employment

The Time Employees Spend Working Remotely

Americans who work remotely are doing so for longer periods of time.



Source: Gallup

https://www.nytimes.com/2017/02/15/us/remote-workers-work-from-home.html

Appendix

Disability incidence vs. Economy

- Studied in several international markets
- Strong evidence of correlation between disability and economy
- Attempts at quantifying this relationship using multi-variate models
 - o Unemployment Rate
 - Consumer Confidence Index
 - o Business Confidence Index
 - Gross Domestic Product
 - Interest Rate Spreads
 - o Bankruptcies
- Yet, problems remain with using these models for projections due to uniqueness of each recession and over-fit issues

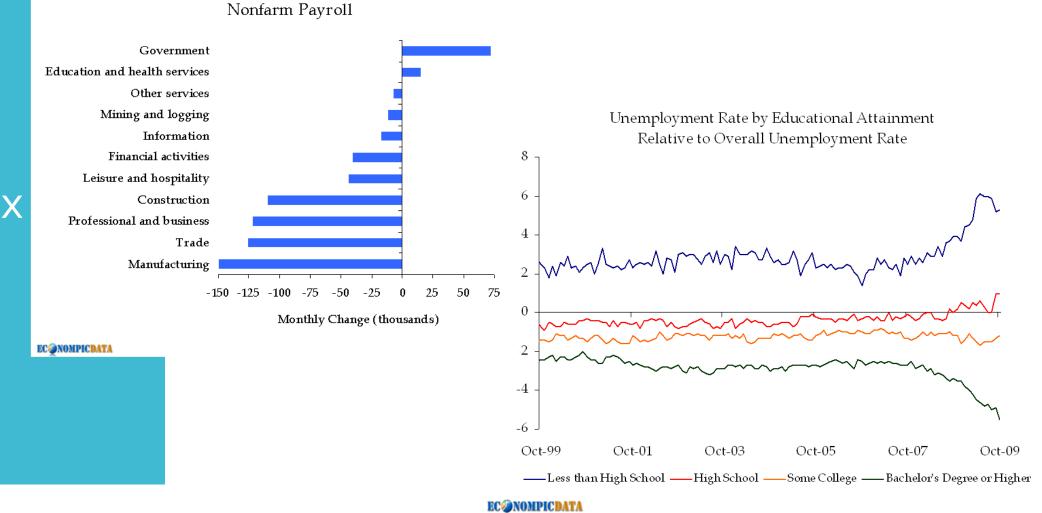
Appendix

Disability incidence vs. Economy – *a contrarian view*

- Some international studies have not corroborated correlation
- Some U.S. Group LTD carriers indicated there were not seeing elevated incidence during 2008-2009, positing:

 Concentrations in recession-resistant industries
 Improved claims management (submitted vs. approved incidence)
- Some markets see "pro-cyclical" correlation (e.g. workers' comp)
 Claims decrease during recessions
 - Inexperienced workers first to released
 - Older (less safe) equipment first to be mothballed
 - Less overtime means less fatigue
 - Job Preservation
 - Hazardous occ cycle (e.g. construction)

Recessions Are Not Equal Opportunity Events



Appendix

Appendix

Q&A

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