APPENDIX Nd:

Presentation Entitled "Comments on 'The Long-Term Care Policy Simulator Model'"

Comments on

"The Long-Term Care Policy Simulator Model"

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CLASS Act Models Meeting September 22, 2010

What Does Avalere LTC Policy Simulator Model Say About CLASS?

Plan parameters

- only workers may participate
- 5-year vesting
- \$50/day lifetime cash benefit
- No elimination period
- those in poverty pay zero premiums
- premiums cover all costs

Model output

- participation rate = 15% (approx)
- avg monthly premiums = \$116 (in 2010)

Generic Model Structure

- Establish pool of eligible participants
- Set benefits and premium schedule
- Identify those who choose to enroll
- Model their receipt of benefits
- Check that premiums cover costs
- Iterate

Avalere Developed a Cell-Based Model

- Start with SSA population forecasts
- Use 2007 ACS data to compute number of workers by age
- Assign enrollment rate based on benefits that plan provides
 - more generous plan reduces participation (because it raises premiums)
- Estimate benefits received by enrollees
 - attempt to account for adverse selection
- Set premiums to cover benefit payments

Participation Rates Seem Somewhat Arbitrary

- Assign points based on plan parameters
- Assume participation rates increase with number of points
- More generous plans get fewer points, because they charge higher premiums
 - exception: low-income subsidy
- Participation rates range from 5% to 35%
 - where do these rates come from?
- Implicit assumption is that enrollees minimize cost, not maximize utility

Participation Rates Increase with Age

- Increase participation rates by 2% per year above age 50 (not pct. points)
- Decrease participation rates by 1% for each year below age 50
- Example

- age 30: 16% age 50: 20%

- age 65: 26% age 90: 36%

 Should participation rates in CLASS increase in retirement?

Examples of Participation Rates at Age 50

	(1)	(2)	(3)
Cash benefit	\$100	\$75	\$50
Length of benefit	lifetime	3 yrs	1 year
Vesting	none	5 yrs	5 yrs
Waiting period	none	none	90 days
Eligibility	all	all	workers
Subsidy level	none	100% pl	150% pl
Funded by govt	0%	25%	50%
Participation rate	5%	20%	35%

Adverse Selection

- Economists assume that people who will use more services will be more likely to purchase coverage
 - assumes policyholders have private knowledge of their disability risk
 - problem is likely to be especially severe in program that does not underwrite risk
- Model assumes that those with "perfect knowledge" that they will need LTC risk enroll
 - in the long-run (10 years after program inception)
 assume that 25% of population has perfect knowledge
 - in short-run, assume 75% has perfect knowledge

Model Limitations

- No role for income in the enrollment decision
- Does not account for heterogeneity in the population
 - income and disability are correlated
- Does not account for population changes over time (other than age)
 - i.e., income growth
- How will automatic enrollment affect enrollment?

Dynamic Microsimulation Modeling Is an Alternative to the Cell-Based Approach

- Start with a nationally representative sample of the population
- Age population year by year
- Estimate equations of disability onset and duration
- Estimate equations of program enrollment
- Feedback to check that premiums cover benefit payouts

Relative Merits of Cell-Based vs. Dynamic Microsimulation Approaches

	Cell- Based	Dynamic Microsim
tractability		
transparency		
development cost		
projecting chars. of future population		
capturing heterogen. of population		

Summary

- The Avalere LTC model carefully simulates plan participation and costs
 - may be best option currently available to model CLASS
- But it relies heavily on assumptions that have not been thoroughly tested
- Alternative approaches would be expensive to develop

A REPORT ON THE ACTUARIAL, MARKETING, AND LEGAL ANALYSES OF THE CLASS PROGRAM

For additional information, you may visit the DALTCP home page at http://aspe.hhs.gov/_/office_specific/daltcp.cfm or contact the office at HHS/ASPE/DALTCP, Room 424E, H.H. Humphrey Building, 200 Independence Avenue, SW, Washington, DC 20201. The e-mail address is: webmaster.DALTCP@hhs.gov.

Files Available for This Report

[HTML versions of Appendices will be added as they are formatted]

Main Report [48 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/index.shtml http://aspe.hhs.gov/daltcp/reports/2011/class/index.pdf APPENDIX A: Key Provisions of Title VIII of the ACA, Which Establishes the CLASS [6 PDF pages] **Program** http://aspe.hhs.gov/daltcp/reports/2011/class/appA.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appA.pdf APPENDIX B: HHS Letters to Congress About Intent to Create Independent CLASS [11 PDF pages] Office http://aspe.hhs.gov/daltcp/reports/2011/class/appB.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appB.pdf APPENDIX C: Federal Register Announcement Establishing CLASS Office [2 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appC.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appC.pdf APPENDIX D: CLASS Office Organizational Chart [2 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appD.pdf APPENDIX E: CLASS Process Flow Chart [2 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appE.pdf APPENDIX F: Federal Register Announcement for CLASS Independence Advisory [3 PDF pages] Council http://aspe.hhs.gov/daltcp/reports/2011/class/appF.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appF.pdf APPENDIX G: Personal Care Attendants Workforce Advisory Panel and List of [6 PDF pages]

Gb: Advisory Panel List of Members http://aspe.hhs.gov/daltcp/reports/2011/class/appGb.pdf

http://aspe.hhs.gov/daltcp/reports/2011/class/appG.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appG.pdf

http://aspe.hhs.gov/daltcp/reports/2011/class/appGa.pdf

Members

Ga: Federal Register Announcement for Personal

Care Attendants Workforce Advisory Panel

Full Appendix

APPENDIX H: Policy Papers Discussed by the LTC W	ork Group [36 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appH.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appH.pdf
APPENDIX I: CLASS Administration Systems Analysis	s and RFI [10 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appl.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appl.pdf
APPENDIX J: Additional Analyses for Early Policy Ana Full Appendix	alysis [150 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appJ.pdf
Ja: A Profile of Declined Long-Term Care Insurance Applicants	http://aspe.hhs.gov/daltcp/reports/2011/class/appJa.pdf
Jb: CLASS Program Benefit Triggers and Cognitive Impairment	http://aspe.hhs.gov/daltcp/reports/2011/class/appJb.pdf
Jc: Strategic Analysis of HHS Entry into the Long-Term Care Insurance Market	http://aspe.hhs.gov/daltcp/reports/2011/class/appJc.pdf
Jd: Managing a Cash Benefit Design in Long- Term Care Insurance	http://aspe.hhs.gov/daltcp/reports/2011/class/appJd.pdf
APPENDIX K: Early Meetings with Stakeholders	[4 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appK.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appK.pdf
APPENDIX L: In-Depth Description of ARC Model	[62 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appL.pdf
APPENDIX M: In-Depth Description of Avalere Health	Model [23 PDF pages]
	http://aspe.hhs.gov/daltcp/reports/2011/class/appM.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appM.pdf
APPENDIX N: September 22, 2010 Technical Experts Full Appendix	http://aspe.hhs.gov/daltcp/reports/2011/class/appM.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appM.pdf
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Full Appendix Na: Agenda, List of Participants, and Speaker	http://aspe.hhs.gov/daltcp/reports/2011/class/appM.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appM.pdf Meeting [61 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appN.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appN.pdf
Full AppendixNa: Agenda, List of Participants, and Speaker BiosNb: Presentation Entitled "Actuarial Research Corporation's Long Term Care Insurance	http://aspe.hhs.gov/daltcp/reports/2011/class/appM.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appM.pdf Meeting [61 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appN.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appN.pdf http://aspe.hhs.gov/daltcp/reports/2011/class/appNa.pdf
 Full Appendix Na: Agenda, List of Participants, and Speaker Bios Nb: Presentation Entitled "Actuarial Research Corporation's Long Term Care Insurance Model" Nc: Presentation Entitled "The Long-Term Care 	http://aspe.hhs.gov/daltcp/reports/2011/class/appM.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appM.pdf Meeting [61 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appN.htm http://aspe.hhs.gov/daltcp/reports/2011/class/appN.pdf http://aspe.hhs.gov/daltcp/reports/2011/class/appNa.pdf http://aspe.hhs.gov/daltcp/reports/2011/class/appNa.pdf

APPENDIX P: June 22, 2011 Technical Experts Meeti	
Full Appendix	http://aspe.hhs.gov/daltcp/reports/2011/class/appP.htm
	http://aspe.hhs.gov/daltcp/reports/2011/class/appP.pdf
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Pa: Agenda and Discussion Issues and Questions	http://aspe.hhs.gov/daltcp/reports/2011/class/appPa.pdf
Pb: Presentation Entitled "Core Assumptions and	http://aspe.hhs.gov/daltcp/reports/2011/class/appPb.pdf
Model Outputs"	
Pc: Presentation Entitled "Actuarial Research	http://aspe.hhs.gov/daltcp/reports/2011/class/appPc.pdf
Corporation's Long Term Care Insurance	Tittp://aspe.filis.gov/dattcp/reports/2011/class/appl c.pui
Model"	
Pd: Presentation Entitled "The Avalere Long- Term Care Policy Simulator Model"	http://aspe.hhs.gov/daltcp/reports/2011/class/appPd.pdf
Term Care Policy Simulator Model	
Pe: Presentation Entitled "Alternative Approaches	http://aspe.hhs.gov/daltcp/reports/2011/class/appPe.pdf
to CLASS Benefit Design: The CLASS	
Partnership"	
APPENDIX Q: Table 2: Actuarial and Demographic As	ssumptions [2 PDF pages]
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APPENDIX R: Figure 1: Daily Benefit Amount for Incre	eased Benefit [2 PDF pages] http://aspe.hhs.gov/daltcp/reports/2011/class/appR.pdf
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