

The Impact of Social Security Terminology on Knowledge and Claiming Intentions

Francisco Perez-Arce, Lila Rabinovich, Joanne Yoong and Laith Alattar

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Motivation

- Financial literacy is crucial for retirement
- Specific knowledge is necessary to make good decisions for retirement
 - Even more as more countries have tended to introduce more choice in pensions (individual accounts, timing of benefits)
- Education and information campaigns need to be cognizant of how people process information.
- Seemingly small details in how information is presented can have important consecuences





Research Question

 Can changing the terminology used in Social Security communications affect people's decision-making about retirement?





Social Security Retirement Benefits in the US

- Workers in the US and their employers make contributions to Social Security
- A formula determines the PIA based on number of quarters worked and the contribution amounts
- The PIA then determines the monthly retirement benefit at "Full Retirement Age " (Age 66)
- However, the beneficiary can decide to claim early (and have her monthly benefit cut) or claim late to increase her monthly benefit



Social Security Retirement Benefits in the US

- Trade-off of starting earlier versus higher monthly amount
- The earliest a person can claim is 62, the "Early Eligibility Age"
- Delayed claiming (up to age 70) results in increased benefits.
- The SSA explains to beneficiaries that if they claim after their "Full Retirement Age", the monthly benefits received increase because they earn "Delayed Retirement Credits"
- The age at which people retire does not need to coincide with the age when they claim Social Security Benefits.



Claiming decisions



- The adjustment factor for the increase in benefits used to be actuarially fair, now is better than fair
- Hence, the implied annuity should be very attractive.
- But a large fraction claim too early
- Though the "optimal" claiming age vary from individual to individual, there is research that shows that many could and should claim later.



Claiming decisions



- The role that the terminology is playing
- Information provided to the public typically uses the terms "Early Eligibility Age", "Full Retirement Age", and "Delayed Retirement Credits"

What would happen if we changed these terms?



This is the third phase of a three-part study



- **Phase 1**: short survey asked whether the terms "Early Eligibility Age", "Full Retirement Age", and "Delayed Retirement Credits" are well understood
- **Phase 2:** qualitative interviews with a small number of respondents to explore alternative terminology
- **Phase 3**: experiment to test participants' responses to and understanding of alternative terminology



This study







Experimental Design



- Sample of ~3,400 adults in the Understanding America Study
- Nationally-representative internet panel



Receives information screens that use the current terminology



alternative terminology



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Information screen example for participants in control group (current terminology) UnderStandingAmericaStudy

What's the best time to start your Social Security retirement benefits? Here's some information to consider when planning when to claim your benefits.

You can start your Social Security retirement benefits as early as age 62 or as late as age 70. Your monthly benefit amount will be considerably different depending on when you start receiving it.

Early Eligibility Age

earliest age at which you can claim benefits. If you start claiming at the age of 62, your benefits will be the lowest to

Your monthly benefits will be permanently reduced if you start them any time between age 62 and 67, your Full Retirement Age. During this period, your monthly benefit increases about 6.5% per year you delay claiming.

Before you reach your continue y

Full Retirement Age

withheld if you work and have earnings above a certain amount. However, after you o compensate you for any months in which part of your benefits were withheld. If you your benefits will not be reduced not an any your operation Dology of Dotor

If you deci

nefit will increase as you earn Delayed Retirement Credits. The increase during this

period is an average or one per yea

There is no additional benefit increase after you reach age 70, even if you continue to delay taking benefits.

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Information screen example for participants in treatment group (alternative terminology)

UnderStandingAmericaStudy

What's the best time to start your Social Security retirement benefits? Here's some information to consider when planning when to claim your benefits.

You can start your Social Security retirement benefits as early as age 62 or as late as age 70. Your monthly benefit amount will be considerably different depending on when you start receiving it.

62 Minimum Benefit Age claim at that age, your monthly payments will be the lowest to which you are entitled.

Your monthly benefits will be permanently reduced if you start them any time between age 62 and 67, your Standard Benefit Age. During this period, your monthly benefit increases about 6.5% per year you delay claiming.

Before y reach yo continue If you de	Standard Benefit Age	withheld if you work and have earnings above a certain amount. However, after you compensate you for any months in which part of your benefits were withheld. If you our benefits will not be reduced no matter how much you earn.			
There is n	no additional benefit increase after yo 70, your Maxi	imum Benefit Age			
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We then collected the following data

- 1. Claiming and retirement age intentions
- 2. Recommended claiming age for characters in vignettes
- 3. Knowledge test
 - Respondents were asked 8 knowledge questions about how Social Security works
- 4. Asked participants for their preferences over the set of terms





RESULTS



Overview of Results



- Respondents spent LESS time reading the information that uses Alternative Terms
- BETTER understanding, and the difference in knowledge persists over time
- Alternative Terms lead to different intended claiming ages (on average later claiming ages)
- Later average claiming age recommendations to characters in the vignettes



Our Treatments are balanced



Characteristics	Current Terms	Alternative Terms	P-value of difference
Age	45.060	44.821	0.546
Male	0.402	0.432	0.079
Less than high school	0.032	0.028	0.453
High School graduate	0.188	0.195	0.644
Some college	0.376	0.384	0.637
College graduate or more	0.403	0.394	0.563
White	0.844	0.860	0.212
Black	0.112	0.095	0.105
Hawaiian/Pacific Islander	0.013	0.009	0.215
American Indian	0.056	0.056	0.915
Hispanic	0.103	0.109	0.585
Currently working	0.825	0.819	0.613
Unemployed (looking)	0.070	0.076	0.535
Retired	0.043	0.043	0.941
Expected Retirement Age	65.85	65.57	0.056
Miss Expected Retir Age	0.198	0.180	0.185
Expected Claim Age (Baseline)	65.826	65.756	0.425
Miss Expected Claim Age	0.508	0.495	0.460
Basic Knowledge SS Index (Baseline)	6.572	6.611	0.472
SS Claim Age Knowledge Index (Baseline)	1.505	1.494	0.834





"Alternative Terms" respondents spent less time reading the screens

~ 3 seconds (5%) fewer per information screen than those in the control group



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Alternative terms lead to improved understanding of social security







Alternative terms lead to improved understanding of social security



Dependent Variable	Contemporaneous
	survey
	N=3240
Correct Answers to Test Questions	
Benefits affected by claiming age {T/F}	0.023**
	(0.010)
Benefits adjusted for inflation {T/F}	-0.002
	(0.017)
Benefits have to be claimed at retirement {T/F}	0.024**
	(0.011)
Benefit amount is the same if claim at 63 or 64 {T/F}	-0.012
	(0.015)
Claiming at 69 results in higher monthly benefit{T/F}	0.021
	(0.015)
Earliest age for receiving retirement benefits	0.023
	(0.015)
Vignette: % increase in benefit for delaying claiming at 63	0.022
{multiple option}	(0.018)
Vignette: claiming and working at 68 {multiple option}	0.050**
	(0.018)
Proportion correct	0.019***
	(0.006)



Alternative terms lead to about a two and a half months later intended claiming age





Alternative terms lead to increased claiming age in advice to fictional characters





Effects by subgroups



• The UAS has a number of bi-annual "Core" Surveys

 Including surveys on cognitive ability and financial literacy



Results by levels of financial literacy

- 14-item financial literacy scale. Includes questions such as:
 - Suppose you had \$100 in a savings account and the interest rate was 2% per year. After 5 years, how much do you think you would have in the account if you left the money to grow: more than \$102, exactly \$102, less than \$102?
 - Normally, which asset described below displays the highest fluctuations over time: savings accounts, bonds or stocks?
 - Is the following statement true?: "Housing prices in the US can never go down....
- Measured **prior** to our experimental survey



However these effects vary by background characteristics, such as **financial literacy**









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However these effects vary by background characteristics, such as financial literacy











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Persistence of effects

- We link our survey to follow-up surveys
- The "What do People Know About Social Security" survey has tems that measure knowledge about Social Security programs
- A measure of intended claiming age
- Use the second round of the survey to test the persistence of effects



Persistence of Effects on Knowledge







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Persistence of Effects on Knowledge



Dependent Variable	Contemporaneous survey	WDPK (posterior)
	N=3240	N=2252
Correct Answers to Test Questions		
Benefits affected by claiming age {T/F}	0.023**	0.020*
	(0.010)	(0.011)
Benefits adjusted for inflation {T/F}	-0.002	-0.017
	(0.017)	(0.019)
Benefits have to be claimed at retirement {T/F}	0.024**	0.009
	(0.011)	(0.014)
Benefit amount is the same if claim at 63 or 64 {T/F}	-0.012	-
	(0.015)	-
Claiming at 69 results in higher monthly benefit{T/F}	0.021	-
	(0.015)	-
Earliest age for receiving retirement benefits	0.023	0.007
	(0.015)	(0.020)
Vignette: % increase in benefit for delaying claiming at 63	0.022	0.039*
{multiple option}	(0.018)	(0.020)
Vignette: claiming and working at 68 {multiple option}	0.050**	0.038**
	(0.018)	(0.020)
Proportion correct	0.019***	0.016**
	(0.006)	(0.008)



Persistence of Effects on Claiming Age









Persistence of Effects on Claiming Age among those with Low Financial Literacy





Preferences

		All
		%
Preferred term for earliest claim	ing age (62)	
(1) Early Eligibility Age		39.5
(2) Minimum Benefit Age		60.5
p-value of difference (1) vs (2)		0.000
Preferred term 66-67 age		
(1) Full Retirement Age		48.4
(2) Standard-Benefit Age		51.6
p-value of difference (1) vs (2)		0.059
Clearer statement for later claim	ning ages	
(1) Statement using Delayed Retirement Credits		9.7
(2) Statement using Maximum		
Benefit Age		46
(3) Neither		10.8
(4) Both are equally clear		33.5
p-value of difference (1) vs (2)		0.000



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Conclusions



- A small change in policy can make a difference
- Clearer terminology can result in better comprehension of the retirement claiming decision
- It can also result in different claiming ages
- Those with low financial literacy may benefit most from these changes





Thank You



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Alternative terms lead to changes in expected claiming age







Preferences

5	

	Current terms	Alternative terms	All
	%	%	%
Preferred term for earliest claim	ing age (62)		
(1) Early Eligibility Age	51.8	27.6	39.5
(2) Minimum Benefit Age	48.2	72.4	60.5
p-value of difference (1) vs (2)	0.191	0.000	0.000
Preferred term 66-67 age			
(1) Full Retirement Age	57.1	40	48.4
(2) Standard-Benefit Age	42.9	60	51.6
p-value of difference (1) vs (2)	0.000	0.000	0.059
Clearer statement for later claim	ning ages		
(1) Statement using Delayed Retirement Credits	12.4	7.1	9.7
(2) Statement using Maximum Benefit Age	42	49.8	46
(3) Neither	10.4	11.2	10.8
(4) Both are equally clear	35.2	31.9	33.5
p-value of difference (1) vs (2)	0.000	0.000	0.000



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Second information treatment

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P-value for the Wilcoxon test for equality of distribution equals 0.008, N=3,405



We also find a marginally significant effect on expected retirement age





Alternative terms lead to changes in expected claiming age



The range plots show 95% confidence intervals of the difference across the two groups. P-value of differences equal 0.13, 0.17 and 0.02, respectively, N=3,405.



Persistence of Effects Claiming Intention



- A bit more complicated
- Question in WDPK, the core survey, asks first whether respondent know when they plan to claim
- Then only asks claiming age for those who answer "yes"
- Alternative treatment affects probability of saying "yes" → SAMPLE SELECTION



Persistence of Effects Claiming Intention

			The "behavioral Survey"			
			(11 monts after experiment)			
Dependent Variable		Does not know intended claiming age	Intended Claiming Age	Does not know spouse intended claiming age	Spousae Intended Claiming Age	Intended Claiming age
All Respondents	Coef	-0.056	0.128	-0.041	0.439	0.084
	s.e.	(0.027)**	(0.181)	(0.034)	(0.268)	(0.107)
	Ν	1,263	661	813	373	2,586
	R ²	0.096	0.298	0.080	0.159	0.136
Male	Coef	-0.021	-0.040	0.004	0.451	0.265
	s.e.	(0.040)	(0.247)	(0.048)	(0.362)	(0.164)*
	Ν	551	324	408	199	1,104
	R ²	0.101	0.386	0.059	0.220	0.174
Female	Coef	-0.078	0.175	-0.082	0.311	-0.025
	s.e.	(0.036)**	(0.262)	(0.048)*	(0.407)	(0.141)
	N	712	337	405	174	-0.025
	R ²	0.087	0.247	0.098	0.105	(0.141)



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