

Births, Deaths, and Presidential Lies

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Social Security birth and death dates

- On March 4, 2025, I watched our President attack Social Security with obvious, hateful lies in his biggest speech of the year.
- From 1994-2025, my research at USDA included using birth and death dates in a database of 100 million dairy cattle to calculate life expectancies and select cattle with greater longevity, known as productive life.
- After hearing the President's lies, I studied the use of birth and death dates by the Social Security Administration.
- I was impressed that SSA experts had carefully considered their options and chose the best strategy for managing their database.

Inspector General's Audit Report **July 2023**

Social Security Administration

- **Numberholders Age 100 or Older Who Did Not Have Death Information on the Numident**

- “SSA’s database includes 18.9 million numberholders who have dates of birth in 1920 or earlier but no corresponding death information on their Numident record (see Table 1)... At the time of our review, approximately 44,000 of the 18.9 million numberholders were receiving SSA payments.”
- “SSA determined the estimated \$5.5 to \$9.7 million in expenditures and 39-54 Systems Work Years to correct these errors was too costly to implement and that the effort would have limited benefit to the administration of SSA programs. We acknowledge that almost none of the numberholders discussed in the report currently receive SSA payments. However, SSA issued each of these individuals a valid SSN and these SSNs could allow for a wide range of potential abuse.”



Inspector General: **Gail S. Ennis**

- Was appointed by Trump in 2019
- She agreed that “almost none of the numberholders discussed in the report currently receive SSA payments.”
- The problem is that someone might use those Social Security Numbers and **pretend** to be >100 years old.
- Employers sometimes report that those numbers are earning income and **paying** Social Security tax but receiving no benefits.
- **VanRaden pedigree** includes 226 ancestors; 61 have missing death dates and 25 have missing birth dates.

President's speech to Congress March 4 2025

- We're also identifying shocking levels of incompetence and probable fraud in the Social Security program for our seniors and that our seniors and people that we love rely on.
- Believe it or not, government databases list 4.7 million Social Security members from people aged 100 to 109 years old. It lists 3.6 million people from ages 110 to 119. I don't know any of them. I know some people that are rather elderly, but not quite that elderly. 3.47 million people from ages 120 to 129, 3.9 million people from ages 130 to 139, 3.5 million people from ages 140 to 149, and money is being paid to many of them, and we're searching right now. In fact, Pam, good luck, good luck. You're going to find it. But a lot of money is paid out to people, because it just keeps getting paid and paid, and nobody does, and it really hurts Social Security and hurts our country, 1.3 million people from ages 150 to 159 and over 130,000 people, according to the Social Security databases, are age over 160 years old.
- Including, to finish, 1,039 people between the ages of 220 and 229, one person between the age of 240 and 249 and one person is listed at 360 years of age — more than 100 years, more than 100 years older than our country. But we're going to find out where that money is going, and it's not going to be pretty, by slashing all of the fraud, waste and theft. And theft we can find.

Death dates missing in VanRaden pedigree

VanRaden Ancestor Pedigree

by Paul VanRaden

(Purple =
Immigrant)

Birthday	Age	Birth city,	State	1	2	3	4	5	6	7	8	9	10	11	12	13	14th	Generation
1670	60	Leer	DEU															Harmannus van Rhaden
1704	68	Leer	DEU															Evert Harms van Rhaden
1675		Leer	DEU															Janneke Harmens
1734-7-19	27	Loga	DEU															Harmannus Everts van Rhaden
1705	66	Leer	DEU															Taelke Willems
1760-7-10	37	Loga	DEU															Rudolph Harms van Rhaden
~1625			DEU															Harmen Weyert Muetz
1665	65	Detern	DEU															Weyert Harmens Mutz
1697	41	Detern	DEU															Harmen Weyerts Mutz
1657	73		DEU															Anneke Hinrichs
1730-6-24	51	Detern	DEU															Geertje Harmens Mutz

Date storage principles

- Birth dates and death dates are of 4 main types:
 - **Verified** by a formal process or certificate
 - **Reported** by the animal's owner or by self or by survivors
 - **Estimated** from other variables
 - **Missing**
- Dates are stored as integers counting perpetual days from a base date
 - 1601-01-01 The start of 400-year leap day cycle.
 - 1875-05-20 The day the metric system was adopted globally.
 - 1933-07-09 Birthday of Lou Waite, AIPL supervisor of programming.
 - 1960-01-01 Base date of SAS since 1966 and AGIL/CDCB since 1993.
- Simple subtraction to get time intervals, pday and pdate to convert

Birth and death storage options in cow data

- Keep death date empty and estimate it after extracting data.
 - Estimate cow life expectancy in program extrpl.sqc
 - Implemented in 1994, revised to a 1250-line SQL program in 2006.
 - Life expectancy is obtained by multiple regression after 3rd birthday using: current age, lactation number, age at first calving, stage of lactation, and accumulated months in milk.
 - Estimates using incomplete data get less weight than complete data.
- Put estimated death dates into database?
 - Could estimate as each cow's data is updated, but more complex.
 - Some users could confuse predicted with actual death dates.

Cow birth and death date references

- Used in many programs and traits (PL, cow and heifer livability)
- 1993 Genetic evaluation of length of productive life including predicted longevity of live cows. J. Dairy Sci. 76:2758-2764.
- 2006 Productive life including all lactations and longer lactations with diminishing credits. J. Dairy Sci. 89:3213-3220.
- 2016 Value of selecting for cow and calf livability. Interbull Bull. 50:30-33. [Article defined death on farm as a different trait than cows sold for beef.]
- 2021 Genomic evaluation of dairy heifer livability. J. Dairy Sci. 104:8959–8965

Missing dead / alive status



- Known date of disappearance but unknown probability of death
 - Castaway movie (Tom Hanks)
 - Moved to another country
 - Missing persons
- Some US herds no longer send cow data and foreign herds cannot.
- Interbull allows all countries to share the same data for bulls
- Dead / alive status also affects:
 - Which genomic relationships are provided for industry mating programs
 - Which genetic evaluations get distributed (revised by Gary Fok in 2024)

Social Security for Paul

- SS tax paid *in 2024*: \$10,453 from me + \$10,453 from employer
- Over 50 years I paid \$413,000 into Social Security (half and half)
- I will receive SS benefits of \$47,000 / year
- Example male aged 65 in 2025
 - SSA predicts 16.95 years more life expected
 - My predicted death age = $65 + 16.95 = 81.95$ years
 - My predicted death date = April 23, 2042
 - My predicted death date increases by 0.96 days for each day I stay alive.
- Actuarial Life Table – Social Security

Why did the President speak those lies?

- The President's friend Elon says that Social Security is a “Ponzi scheme,” but Congress can adjust a few simple rules such as raising the limit on how much income gets taxed or raising the retirement age to easily balance the income received and benefits given for many future decades.
- Billionaires do not benefit as much from social programs, but most old people do. Some billionaires want to kill Social Security and then lie that it died a natural death.
- Elon bought the President, whose actions are for sale to the highest bidder.

Conclusions

- President Trump and Elon Musk tried to destroy our confidence in Social Security during the State of the Union speech by telling us obvious lies that Trump's own Inspector General Gail Ennis had already disproven.
- My confidence in data management at Social Security increased because the methods they use are like the advanced methods we programmed at USDA to manage birth and death dates for cows.
- People should not believe the vicious lies this President tells them.

References for human births and deaths

- <https://apnews.com/article/trump-speech-congress-transcript-751b5891a3265ff1e5c1409c391fef7c>
- [Numberholders Age 100 or Older Who Did Not Have Death Information on the Numident](#)
- <https://www.independent.co.uk/news/world/americas/us-politics/gail-ennis-social-security-resignation-accusations-fines-b2556098.html>