

female	acarbose	1000 ppm	16 months	-5.0%	14%	2016	St
female	acarbose	1000 ppm	16 months	4.0%	16%	2016	St
male	acarbose	1000 ppm	16 months	7.0%	5%	2016	St
female	acarbose	1000 ppm	16 months	8.0%	7%		
male	acarbose	1000 mg/kg	4 months	-1.0%	6%		
female	acarbose	1000 mg/kg	4 months	21.0%			
male	acarbose	1000 mg/kg	4 months	7.0%			
female	acarbose	1000 mg/kg	4 months				
male	acarbose	1000 mg/kg	4 months				
female	acarbose	1000 mg/kg	4 months				
male	acarbose	1000 mg/kg	4 months				
female	acarbose	1000 ppm	16 months				
male	acarbose	1000 ppm	16 months				

abditis elegar	acdh-1						
abditis elegar	acdh-1 and metformin						
female	ACE-inhibitors						
male	acetaminophen						
female	acetaminophen						
abditis elegar	acetaminophen						
male	acetazolamide						
male	acetazolamide						
abditis elegar	acetic acid						
abditis elegar	acetic acid						
charomyces cerev	acetic acid						
charomyces cerev	acetic acid						
laboratory conditior	acetaminophen						
abditis elegar	acetaminophen						
abditis elegar	acetaminophen						
abditis elegar	acetaminophen						
abditis elegar	acetaminophen						
Oregon-R							
Oregon-R							
Oregon-R							
Oregon-R							
fisher 34							
Oregon-R							
Oregon-R							
Oregon-R							
Oregon-R							

WORLD'S BIGGEST COLLECTION OF RESISTION EXPERIMENTAL IMPROVEMENT

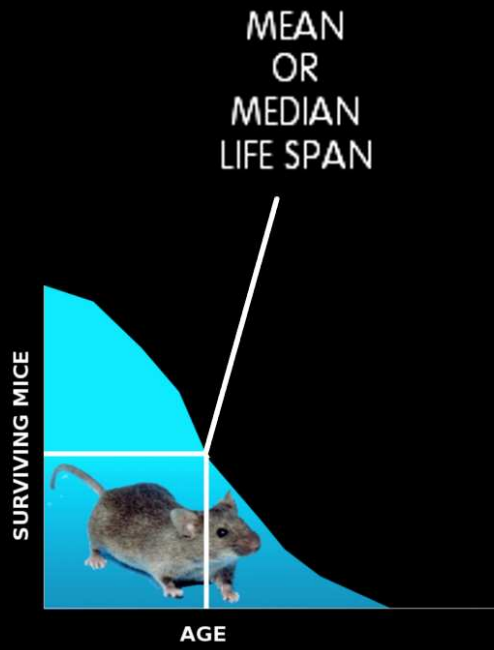
Species	Sub species and conditions	Gender	Intervention	Dose	Age At Start Of Intervention or when tested	Change in Mean or Median Life Span
worm	Caenorhabditis elegar		acanthopanax sessiliflorus			>0%
mouse	TJL	female	acarbose	16 months	1000 ppm	-5%
mouse	TJL	male	acarbose	16 months	1000 ppm	4%
mouse	UM	female	acarbose	16 months	1000 ppm	7%
mouse	UM	male	acarbose	16 months	1000 ppm	8%
mouse	UM-HET3, Tl	female	acarbose	1000 mg/kg	4 months	-1%
mouse	UM-HET3, Tl	male	acarbose	1000 mg/kg	4 months	21%
mouse	UM-HET3, U	female	acarbose	1000 mg/kg	4 months	7%
mouse	UM-HET3, U	male	acarbose	1000 mg/kg	4 months	8%
mouse	UM-HET3, U	female	acarbose	1000 mg/kg	4 months	9%
mouse	UM-HET3, U	male	acarbose	1000 mg/kg	4 months	39%
mouse	UT	female	acarbose	16 months	1000 ppm	5%
mouse	UT	male	acarbose	16 months	1000 ppm	5%
worm	caenorhabditis elegar		acdh-1 and metformin			-31%
worm	caenorhabditis elegar		acdh-1 and metformin			31%
human	Swedes		ACE-inhibitor		70-88	
fruit fly		female	acetaminophen	650 mg/100 ml		22%
fruit fly		male	acetaminophen	650 mg/100 ml		20%
mouse	C57BL/6j	female	acetaminophen	242 ug/ml	7.9 to 12.1 mo	4%
worm	Caenorhabditis elegar		acetaminophen			49%
fruit fly	Oregon R	male	acetazolamide	0.5 mM started at 1 day of age		3%
fruit fly	Oregon R	male	acetazolamide	1 mM started at 1 day of age		13%
worm	Caenorhabditis elegar		acetic acid	50		6%
worm	Caenorhabditis elegar		acetic acid			60%
yeast	Saccharomyces cerev		acetic acid	needed to maintain 10 m		0%
yeast	Saccharomyces cerev		acetic acid	needed to maintain 10 m		0%
			in laboratory conditior			
worm	Caenorhabditis elegar		a		and 200, respectively	19%
worm	Caenorhabditis elegar		a		d 100, respectively	25%
worm	Caenorhabditis elegar		a		100, respectively, 1 c	21%
worm	Caenorhabditis elegar		a		100, respectively, 2 w	21%
worm	Caenorhabditis elegar		a		d 100, respectively, imi	21%
worm	Caenorhabditis elegar		a		d 200, respectively	20%
fruit fly	Oregon-R		ac			-67%
fruit fly	Oregon-R		ac			-17%
fruit fly	Oregon-R		ac	mg		-4%
fruit fly	Oregon-R		acetyl-l-carnitine	63mg		-43%
rat	fisher 344		acetyl-l-carnitine	75 mg/kg/day	16 months	
yeast			acetyl-l-carnitine			
rat			acetyl-l-carnitine?			
fruit fly	Oregon-R	male	acetylsalicylic acid	.001 M		-6%
fruit fly	Oregon-R	male	acetylsalicylic acid	.015 M		-16%
fruit fly	Oregon-R	male	acetylsalicylic acid, CuCl2	.00001 M, .000005		4%
fruit fly	Oregon-R	male	acetylsalicylic acid, CuCl2	.0001 M, .00005 M		2%

Life span experiments reveal what works!

This computer spreadsheet is the fastest way to find previous results.

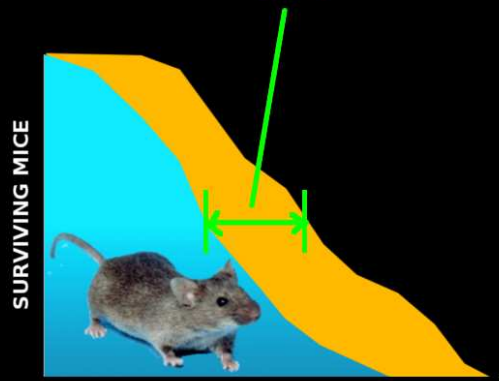


SPECIES
mouse



**Scientists measure
the average life spans
of lab animals.**

SPECIES	INTERVENTION	CHANGE IN MEAN OR MEDIAN LIFE SPAN	CITATION
mouse	gene, methyltransferase	+58%	Depleting the...



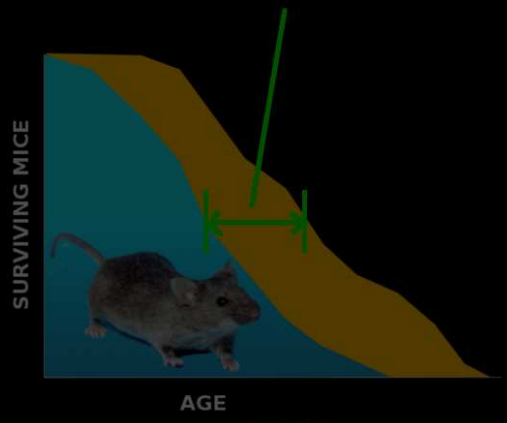
They look for ways to let lab animals live longer.

Changes in life span can be mathematically calculated as percentages

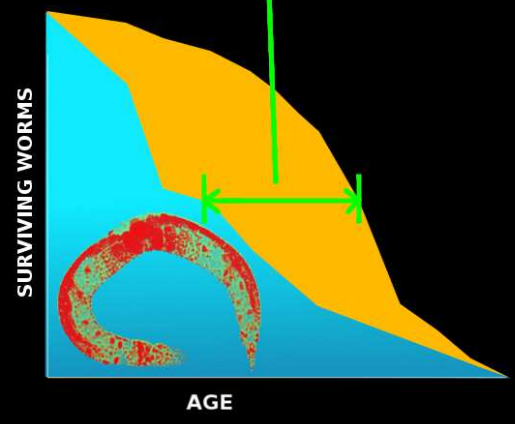
This spread sheet summarizes thousands of scientific life span experiments.

The results are normalized and organized for fast answers.

SPECIES	INTERVENTION	CHANGE IN MEAN OR MEDIAN LIFE SPAN	CITATION
mouse	gene, methyltransferase	+58%	Depleting the...

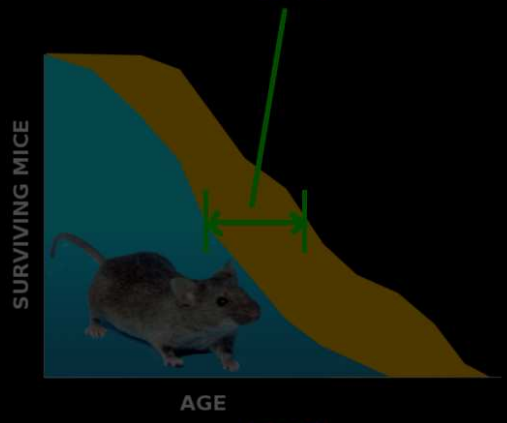


worm	taxifolin	+100%	Exp Gerontol.
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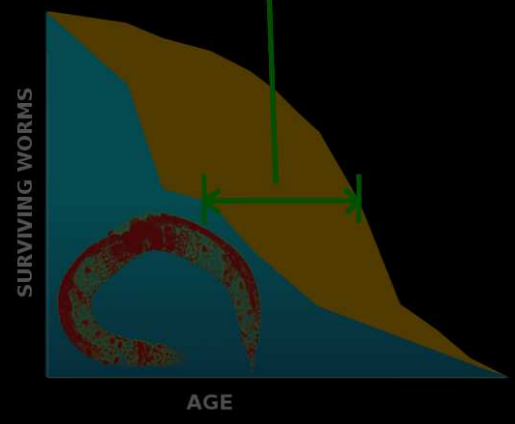


The spread sheet also summarizes worm studies

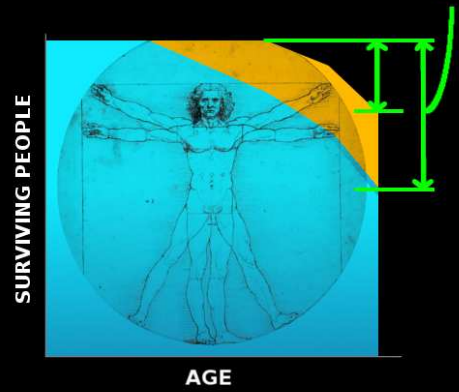
SPECIES	INTERVENTION	CHANGE IN MEAN OR MEDIAN LIFE SPAN	HAZARD RATIO OF DYING FROM ANY CAUSE	CITATION
mouse	gene, methyltransferase	+58%		Depleting the...



worm taxifolin +100% Exp Gerontol. 1



human vitamin a 50% Relation of Nt

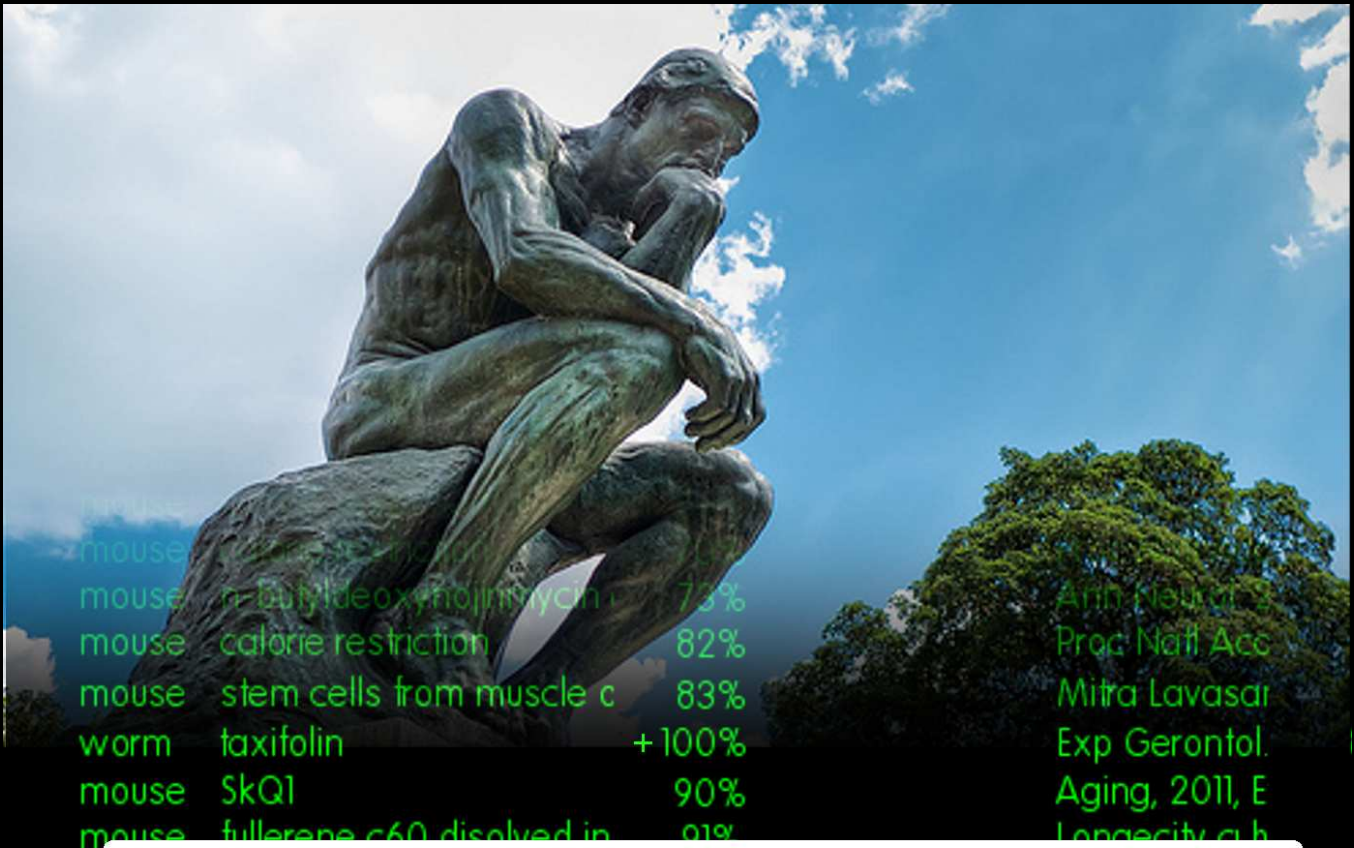


and human studies.

SPECIES	INTERVENTION	CHANGE IN MEAN OR MEDIAN LIFE SPAN	RISK OR HAZARD RATIO OF DYING FROM ANY CAUSE	CITATION
mouse	gene, methyltransferase	+58%		Depleting the ...
mouse	transplant one ovary from	60%		Ovarian Trans
mouse	n-butyldeoxynojirimycin	66%		Ann Neurol. 2
mouse	MnSOD-plasmid liposome	67%		RADIATION R
mouse	transplant both ovaries from	67%		Ovarian Trans
mouse	calorie restriction	67%		Genetic Differ
mouse	calorie restriction	70%		Proc Natl Acc
mouse	n-butyldeoxynojirimycin	73%		Ann Neurol. 2
mouse	calorie restriction	82%		Proc Natl Acc
mouse	stem cells from			Mitra Lavasar
worm	taxifolin			Exp Gerontol.
mouse	SkQ1	90%		Aging, 2011, E
mouse	fullerene c60 dissolved in	91%		Longevity a h
mouse	gene, Rrm2	108%		Andrés J. Lóp
mouse	MnSOD-plasmid liposome	110%		RADIATION R
mouse	gene, plasminogen activator	117%		PAI-1-regulate
mouse	gene, Lmnad9 -/-	140%		Cell, Volume
mouse	gene, sun -/-	154%		Cell, Volume
mouse	vitamin c	171%		Vitamin C me
mouse	gene, Chk2	240%		Cao L, Kim D
mouse	gene, plasminogen activator	317%		PAI-1-regulate
human	vitamin a		50%	Relation of Nu
mouse	gene, plasminogen activator	733%		PAI-1-regulate
mouse	gene, plasminogen activator	1033%		PAI-1-regulate
mouse	Radix Ginseng, Cornu Cereviti	>0%		Rejuvenation
mouse	ionizing radiation	<0%		Exp Gerontol.
mouse	ionizing radiation	<0%		Exp Gerontol.
mouse	aspirin	<0%		J Gerontol A
mouse		<0%		Pendse AA L
mouse	gene, Zdhhc13	<0%		Saleem AN, A
mouse	insulin like growth factor	<0%		Aging Cell. 20
mouse	2-mercaptoethanol	>0%		Mech Ageing
mouse		>0%		Overexpressi
mouse	thymosin	>0%		Mech Ageing

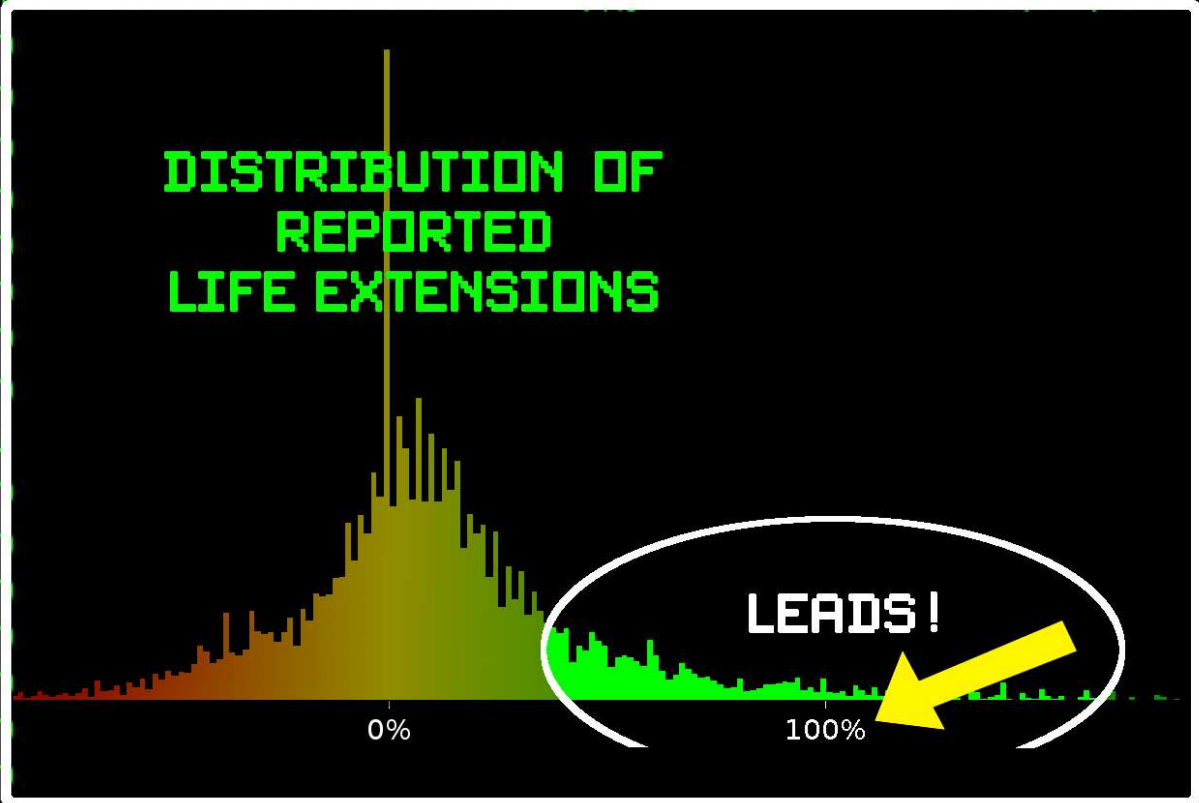
It summarizes thousands of experiments.

and human studies.

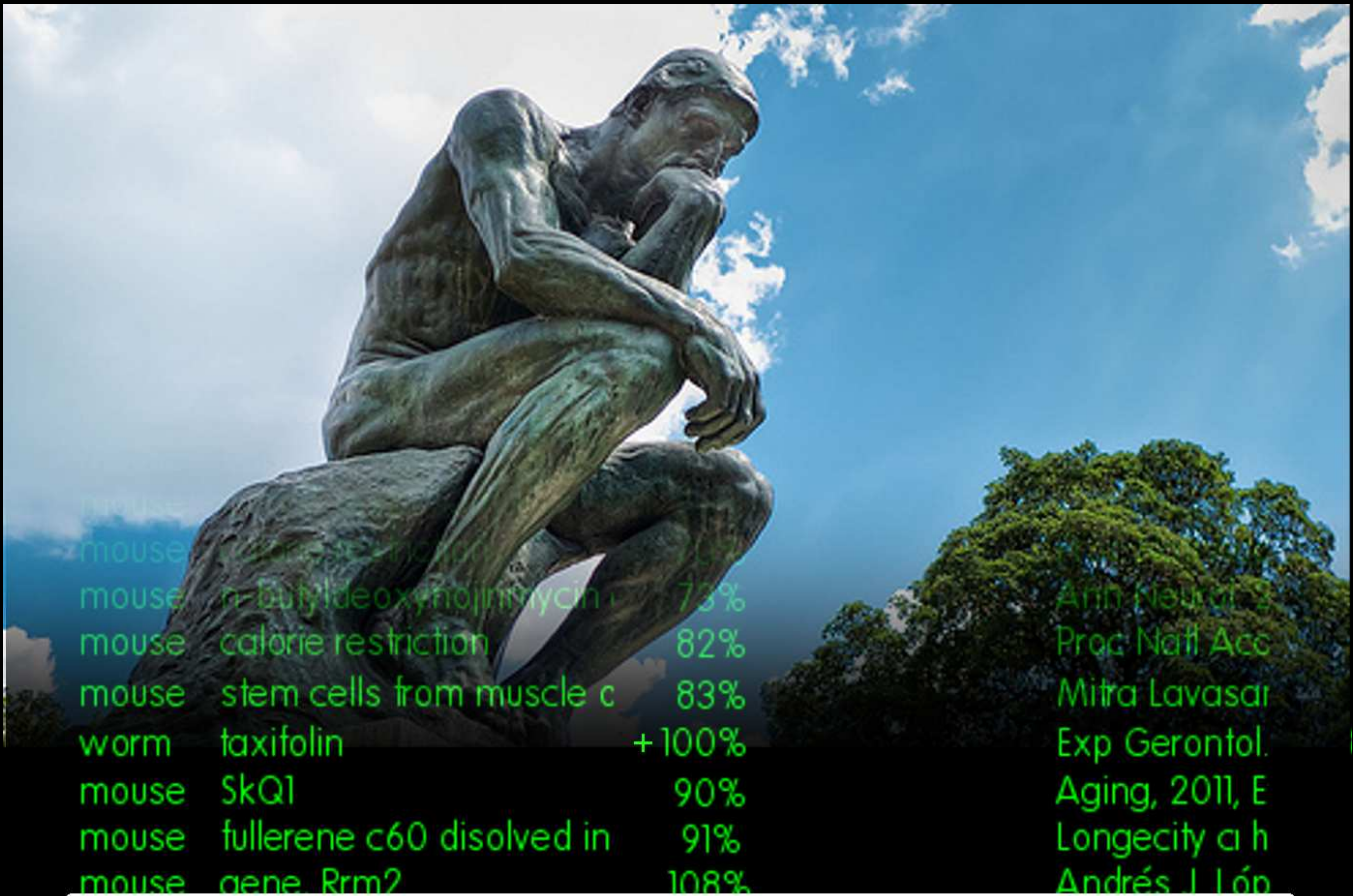


mouse	resveratrol	71%
mouse	n-butyldeoxyhydroquinone	73%
mouse	calorie restriction	82%
mouse	stem cells from muscle c	83%
worm	taxifolin	+100%
mouse	SkQ1	90%
mouse	fullerene c60 dissolved in	91%

Ann Neurol
Proc Natl Acc
Mitra Lavasa
Exp Gerontol
Aging, 2011, E
Longevity a b



mouse	gene, Zdhc13	<0%	Saleem AN, A
mouse	insulin like growth factor	<0%	Aging Cell. 20
mouse	2-mercaptoethano	>0	Mech Ageing
mouse		>0	Overexpressi
mouse	thymosin	>0%	Mech Ageing



mouse 22%
 mouse 23%
 mouse n-butyldeoxythymosin 73%
 mouse calorie restriction 82%
 mouse stem cells from muscle c 83%
 worm taxifolin +100%
 mouse SkQ1 90%
 mouse fullerene c60 dissolved in 91%
 mouse gene Rrm2 108%

Ann Neurol
 Proc Natl Acad
 Mitra Lavasari
 Exp Gerontol
 Aging, 2011, E
 Longevity a h
 Andrés J López

OVERVIEW OF
KINGSLEY'S SPREADSHEET OF LIFE SPAN EXPERIMENT RESULTS
(THE WORLD'S BIGGEST)

	total reported	unique	min	max	range
experiments		41,497			
species	41,180	83			
interventions	40,465	13,618			
citations	41,497	4,959			
change in mean or median life span	27,452		-100%	5011%	5111%
change in maximum life span	15,548		-100%	6471%	6571%
relative risk or hazard ratio of dying from any cause	5,571		0%	2000%	2000%
year			1797	2023	226 years

As of: Mar-26-2023
 Price: \$US 1,000,000
 Contact: kingsley@loaner.com

http://kingsleymorse.ch/life_extension.html

mouse 24%
 mouse 25%
 mouse gene, Zdhhc13 <0%
 mouse insulin like growth factor <0%
 mouse 2-mercaptoethano >0
 mouse. >0
 mouse thymosin >0%

Pendse AA L
 Saleem AN, A
 Aging Cell. 20
 Mech Ageing
 Overl
 Med Ageing

morse.kiwi.nz