STATEMENT OF DR. ALLEN W. FREEMAN, PROFESSOR OF PUBLIC HEALTH ADMINISTRATION, SCHOOL OF HYGIENE AND PUBLIC HEALTH, JOHNS HOPKINS UNIVERSITY

Dr. FREEMAN. My name is Allen W. Freeman. I am professor of public-health administration in the Johns Hopkins University, and I have the honor to be a member of the advisory committee on public health.

I will take as little time as possible, merely to say that in my opinion, important as is all of this security act, the part of it which means most to the future are those sections which have to do with public health.

The benefits of modern medicine have been very extreme, but being fairly familiar with them in general, I think they are vastly more important to the young than they are to the old. The doctors can patch us oldsters up and make the end of our lives a little more comfortable, but it is to the children that medicine has most to offer.

I do not want to go over ground which has been gone over before. Miss Abbott has referred to the results which have followed the child-welfare work in our cities. I can bear personal testimony to that, because, in Baltimore, we have a little clinic which serves a unit of some 60,000 people, and we have been able, during these depression times, to keep these children going, I think a little better than in normal times; and by a very simple procedure. There is nothing complicated or mysterious about child-welfare work.

The whole business comes down to getting the child in front of a doctor periodically and having a nurse to see that what the doctor tells the mother about the child, and what to do with it, is carried out in the home.

It costs, in the city, about $6 per year per child. As I say, we take care of 2,000 of them, and we spend about $12,000 a year on that job. It costs more than that in the country, obviously, for reasons that I am sure I need not go into.

The value of this service is beyond calculation. There are a great many people here who are interested in it, and I would be willing to submit it to anyone who has had any acquaintance with child-welfare work to deny the fact that the results to the babies themselves through lessened mortality, through improved vitality, through better bone and tooth structure, better general nutrition, better mental condition, is out of all proportion to the amount of money that is spent.

I am particularly interested in the rural children, because they have not, as Miss Abbott says, participated in this benefit. I am perfectly certain that unless the Federal Government comes to some such plan as this, they will not in my lifetime enjoy that benefit.

I am getting along in public health now. I have been in it 25 years. I went through the Sheppard-Towner fights, and I must say that I was on the wrong side of the fence, because I thought that if we left it to the States, they would work this thing out. But when the Sheppard-Towner money ceased to be available, and the great pressure on local funds came, child-welfare work was neglected.

I do not believe this thing is going to come about unless you give it some such stimulus as this. With the sections which relate to public health, with the sections which relate to child hygiene, we will

be doing, as I say, the greatest service to the future of America, that is possible of accomplishment under this bill.

Thank you very much.

Mr. WOODRUFF. Doctor, are you familiar with the work that is being done in Michigan under the Couzens fund?

Dr. FREEMAN. Yes, sir. I have a number of students who are working out there in charge of those health departments.

Mr. WOODRUFF. I wonder if you would give the committee briefly your idea of the work being done by that very splendid activity in my State.

Dr. FREEMAN. It is a perfectly marvelous work. Mr. Couzens has done for Michigan what I would like to see the Congress do for the whole country, make it possible to carry the benefits of child-welfare work to the remote country home.

Mr. WOODRUFF. And that is what is being done——

Dr. FREEMAN. That is what is being done in Michigan, and that is what I would like to see done in the country as a whole, Mr. Woodruff.

Mr. WOODRUFF. And it is your idea that with the stimulus that we propose to give that activity in the country through the medium of this bill, that will be brought about?

Dr. FREEMAN. That will, in time, be brought about, Mr. Woodruff.

The CHAIRMAN. If there are no further questions, we thank you for the information you have given the committee.

The Chair will submit for the record a letter received this morning from the Director of Census, Mr. Austin, together with a very interesting table giving the statement as to the cumulative age data for the United States as a whole and for each State. It is very interesting, and I am sure that the committee will be glad to have it go in the record.

DEPARTMENT OF COMMERCE,
BUREAU OF THE CENSUS,
Washington, January 29, 1935.

Hon. ROBERT L. DOUGHTON,
House of Representatives, Washington, D. C.

MY DEAR MR. DOUGHTON: Because of the increasing interest in old-age pensions and other similar legislation, I thought you might like to have copies of the two accompanying statements on age. The figures are from the census of 1930 and were made up in this convenient form because of the demand for the data.

The statements give cumulative age data for the United States as a whole and for each State. The figures for the United States cover all age periods, classified by color, nativity, and sex, while the figures for the States cover the population 45 years old and over only, these being the age groups for which there is the most extensive demand.

Very truly yours,

W. L. AUSTIN, *Director.*

CUMULATIVE AGE GROUPS, BY STATES, FOR THE POPULATION 45 YEARS OLD AND OVER

As a result of the increasing interest in old-age pensions and in other provisions for persons past middle life, there is an increasing demand for cenus data with respect to this part of our population. A statement entitled "Cumulative age distribution of the population of the United States" was issued, under date of November 20, 1934. This statement presents, for the United States as a whole, by color, nativity, and sex, two complete series of cumulative age groups. The first, counting from the beginning, shows the number of persons under 5 years old, under 10 years old, etc., while the second, counting back from the end, shows the number 95 years old and over 90 years old and over, etc. The

table below presents, for 1930, the cumulative age groups for which there is the most extensive demand, namely, those involving the population 45 years old and upward, by States.

Population 45 years old and over in cumulative age groups, by States, 1930

State	Total population of known age [1]	45 and over	50 and over	55 and over	60 and over	65 and over	70 and over	75 and over
United States	122,681,024	28,048,786	21,006,507	15,030,703	10,385,026	6,633,805	3,863,200	1,913,196
New England:								
Maine	796,832	231,834	185,077	141,488	102,547	69,010	42,467	22,396
New Hampshire	465,049	140,965	112,852	86,176	62,108	41,560	25,714	13,208
Vermont	359,493	105,002	83,962	63,869	46,243	31,253	19,755	10,437
Massachusetts	4,246,566	1,130,465	865,055	630,803	433,525	274,195	156,590	77,74
Rhode Island	687,276	174,466	132,285	95,223	64,937	39,953	22,555	10,934
Connecticut	1,605,966	394,798	297,240	215,736	151,560	93,319	53,192	26,417
Middle Atlantic:								
New York	12,577,500	3,013,488	2,232,827	1,577,630	1,073,366	667,325	373,878	178,210
New Jersey	4,038,630	934,669	688,281	482,847	325,719	201,043	112,594	53,643
Pennsylvania	9,626,276	2,216,045	1,656,093	1,182,540	808,159	508,278	289,705	140,818
East North Central:								
Ohio	6,643,510	1,665,017	1,258,971	914,194	639,004	414,836	244,371	121,228
Indiana	3,236,234	861,710	666,931	496,893	353,587	232,787	138,426	69,279
Illinois	7,623,271	1,819,770	1,349,397	966,295	667,383	421,073	237,877	114,311
Michigan	4,839,450	1,060,271	784,612	563,375	392,155	254,891	148,853	73,774
Wisconsin	2,937,370	717,500	548,742	405,755	289,790	192,059	112,112	54,934
West North Central:								
Minnesota	2,562,985	617,979	470,836	348,665	247,852	163,480	94,401	46,145
Iowa	2,469,697	655,146	510,543	384,178	276,582	184,239	111,296	57,063
Missouri	3,626,578	948,094	727,760	534,663	376,255	244,525	145,214	73,336
North Dakota	680,452	134,696	99,063	69,828	47,403	30,280	17,261	8,149
South Dakota	692,473	147,253	109,754	79,465	55,817	36,915	21,704	10,646
Nebraska	1,377,213	322,524	245,709	181,018	128,977	86,194	51,763	26,238
Kansas	1,880,280	475,543	367,921	272,105	193,316	129,468	79,741	41,950
South Atlantic:								
Delaware	238,242	62,441	48,281	35,280	25,256	16,678	9,834	4,947
Maryland	1,627,720	387,894	293,015	210,549	145,873	92,972	53,680	26,261
District of Columbia	485,087	127,126	94,552	65,820	44,211	27,253	15,541	7,847
Virginia	2,420,667	500,899	375,232	264,809	181,876	116,678	70,743	35,928
West Virginia	1,728,472	324,247	238,849	168,121	114,573	73,043	43,368	22,171
North Carolina	3,168,157	523,299	385,318	264,953	179,414	115,671	69,586	35,053
South Carolina	1,738,173	281,164	203,026	137,655	93,337	57,164	33,568	16,723
Georgia	2,906,662	530,082	396,928	265,473	180,840	113,278	68,136	34,398
Forida	1,466,974	313,160	231,513	163,548	111,959	71,202	41,417	20,708
East South Central:								
Kentucky	2,613,201	566,944	433,514	313,574	218,392	142,122	84,252	42,483
Tennessee	2,612,931	529,753	401,171	276,871	187,256	119,045	70,567	35,678
Alabama	2,644,979	473,766	335,363	228,904	155,188	99,240	59,994	30,810
Mississippi	2,009,012	360,877	267,425	182,506	124,040	77,443	47,256	25,080
West South Central:								
Arkansas	1,853,704	354,797	258,392	179,040	119,601	75,600	45,614	23,233
Louisiana	2,100,788	377,832	270,256	184,671	122,208	75,850	44,926	23,526
Oklahoma	2,395,001	443,200	329,076	230,070	153,288	96,888	57,212	28,630
Texas	5,820,524	1,073,119	777,920	542,743	368,575	232,459	140,316	71,606
Mountain:								
Montana	537,269	127,373	91,739	63,905	43,280	26,700	14,377	6,466
Idaho	444,818	98,460	73,230	51,987	35,568	22,310	12,580	5,951
Wyoming	225,387	44,730	31,717	21,474	14,116	8,707	4,719	2,127
Colorado	1,035,090	255,487	193,185	139,822	97,214	61,787	34,904	16,714
New Mexico	423,113	75,165	55,459	39,768	27,075	16,825	9,551	4,887
Arizona	435,048	80,134	56,839	38,726	25,689	15,768	9,118	4,645
Utah	507,624	95,421	70,728	50,466	35,236	22,665	13,162	6,316
Nevada	91,008	24,583	17,760	12,112	7,984	4,814	2,735	1,375
Pacific:								
Washington	1,561,416	426,796	318,516	228,293	159,033	101,503	57,063	26,988
Oregon	953,344	268,800	203,137	147,841	103,972	67,332	39,133	18,966
California	5,663,512	1,554,002	1,160,455	828,976	573,687	366,125	210,379	102,815

[1] Excludes 94,022 persons of unknown age.

Cumulative Age Distribution of the Population of the United States

Department of Commerce,
Bureau of the Census,
Washington, November 20, 1934.

The following statement has been prepared to meet the increasing demand for age groupings representing cumulative totals of the periods shown in the standard census tables. For many purposes it is desired to know, for example, how many persons in the United States were under 15, over 45, or over 70 years of age at the time of the census.

In table 2 are presented by color, nativity, and sex a double series of cumulative totals, counting both forward from the lowest ages and backward from the highest ages. The numbers representing persons 65 years old and over and 70 years old and over are particularly significant in connection with old-age-pension projects.

In table 1 are shown for the five censuses from 1890 to 1930 the percentage of the population in each of the more significant cumulative groups. The main purpose of this table is to show the change since 1890 in the relative importance of the cumulative groups. The percentage 65 years old and over has increased, for example, from 3.9 in 1890 to 5.4 in 1930.

Table 1.—*Percentage distribution by cumulative age groups: 1890 to 1930*

Age	1930	1920	1910	1900	1890
All known ages	100.0	100.0	100.0	100.0	100.0
Under 5 years	9.3	11.0	11.6	12.1	12.2
Under 10 years	19.6	21.8	22.2	23.8	24.3
Under 15 years	29.4	31.8	32.1	34.5	35.6
Under 20 years	38.8	40.8	42.0	44.4	46.1
Under 25 years	47.7	49.6	51.9	54.1	56.0
Under 30 years	55.7	58.2	60.8	62.7	64.4
Under 35 years	63.1	65.8	68.4	70.1	71.7
Under 40 years	70.6	73.2	75.3	76.6	77.9
Under 45 years	77.1	79.2	81.1	82.2	83.0
45 years and over	22.9	20.8	18.9	17.8	17.0
50 years and over	17.1	15.3	14.1	13.2	12.6
55 years and over	12.3	10.9	9.8	9.3	8.9
60 years and over	8.5	7.5	6.8	6.4	6.2
65 years and over	5.4	4.7	4.3	4.1	3.9
70 years and over	3.1	2.7	2.5	2.3	2.3
75 years and over	1.6	1.4	1.3	1.2	1.1
80 years and over	0.7	0.6	0.5	0.5	0.5
85 years and over	0.2	0.2	0.2	0.2	0.2

TABLE 2.—*Cumulative age groups, by color, nativity, and sex, for the United States: 1930*

AGE	ALL CLASSES			NATIVE WHITE—NATIVE PARENTAGE		NATIVE WHITE—FOREIGN OR MIXED PARENTAGE		FOREIGN-BORN WHITE		NEGRO	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
All known ages	122,681,024	62,085,264	60,595,760	35,428,351	34,650,902	12,545,305	12,805,737	7,147,689	6,208,894	5,848,605	6,028,807
Under 5 years	11,444,390	5,806,174	5,638,216	4,044,523	3,894,642	992,466	967,977	14,142	13,646	611,231	618,975
5 years and over	111,236,634	56,279,090	54,957,544	31,383,828	30,756,260	11,552,839	11,837,760	7,133,547	6,195,248	5,237,374	5,409,832
Under 10 years	24,051,999	12,187,282	11,864,717	8,271,906	7,988,297	2,262,338	2,211,520	75,486	73,993	1,290,979	1,307,608
10 years and over	98,629,025	49,897,982	48,731,043	27,156,445	26,662,605	10,282,967	10,594,217	7,072,203	6,134,901	4,557,626	4,721,199
Under 15 years	36,056,876	18,256,059	17,800,817	12,090,541	11,698,014	3,709,498	3,634,554	149,659	147,556	1,914,207	1,935,922
15 years and over	86,624,148	43,829,205	42,794,943	23,337,810	22,952,888	8,835,807	9,171,183	6,998,030	6,061,338	3,934,398	4,092,885
Under 20 years	47,608,991	24,013,884	23,595,107	15,571,148	15,149,910	5,136,207	5,062,296	306,318	315,527	2,509,853	2,590,804
20 years and over	75,072,033	38,071,380	37,000,653	19,857,203	19,500,992	7,409,098	7,743,441	6,841,371	5,893,367	3,338,752	3,438,003
Under 25 years	58,479,369	29,350,699	29,128,670	18,709,986	18,366,579	6,344,282	6,302,877	625,421	658,416	3,063,475	3,240,373
25 years and over	64,201,655	32,734,565	31,467,090	16,718,365	16,284,323	6,201,023	6,502,860	6,522,268	5,550,478	2,785,130	2,788,434
Under 30 years	68,312,977	34,210,879	34,102,098	21,444,031	21,142,314	7,342,031	7,348,038	1,140,584	1,164,259	3,563,995	3,811,640
30 years and over	54,368,047	27,874,385	26,493,662	13,984,320	13,508,588	5,203,274	5,457,699	6,007,105	5,044,635	2,284,610	2,217,167
Under 35 years	77,433,398	38,772,665	38,660,733	23,902,042	23,600,308	8,292,604	8,344,396	1,791,179	1,760,494	3,980,864	4,259,285
35 years and over	45,247,626	23,312,599	21,935,027	11,526,309	11,050,594	4,252,701	4,461,341	5,356,510	4,448,400	1,867,741	1,769,522
Under 40 years	86,642,043	43,452,525	43,189,518	26,262,128	25,916,197	9,211,285	9,301,693	2,683,618	2,499,722	4,411,336	4,719,713
40 years and over	36,038,981	18,632,739	17,406,242	9,166,223	8,734,705	3,334,020	3,504,044	4,464,071	3,709,172	1,437,269	1,309,094
Under 45 years	94,632,238	47,588,984	47,043,254	28,272,129	27,859,449	9,972,765	10,091,291	3,645,728	3,231,788	4,750,665	5,067,807
45 years and over	28,048,786	14,496,280	13,552,506	7,156,222	6,791,453	2,572,540	2,714,446	3,501,961	2,977,106	1,097,940	961,000
Under 50 years	101,674,517	51,260,908	50,413,609	30,044,938	29,540,939	10,611,865	10,755,667	4,527,598	3,915,132	5,073,827	5,374,710
50 years and over	21,006,507	10,824,356	10,182,151	5,383,413	5,109,963	1,933,440	2,050,070	2,620,091	2,293,762	774,778	654,097
Under 55 years	107,650,321	54,392,553	53,257,768	31,572,543	30,954,360	11,177,045	11,341,147	5,250,094	4,510,006	5,351,359	5,601,768
55 years and over	15,030,703	7,692,711	7,337,992	3,855,808	3,696,542	1,368,260	1,464,590	1,897,595	1,698,888	497,246	427,039
Under 60 years	112,295,998	56,818,545	55,477,453	32,771,285	32,056,460	11,648,873	11,832,971	5,804,592	4,984,121	5,525,726	5,736,798
60 years and over	10,385,026	5,266,719	5,118,307	2,657,066	2,594,442	896,432	972,766	1,343,097	1,224,773	322,879	292,009
Under 65 years	116,047,219	58,760,053	57,287,166	33,716,451	32,932,915	12,008,967	12,217,672	6,288,342	5,410,948	5,659,075	5,845,618
65 years and over	6,633,805	3,325,211	3,308,594	1,711,900	1,717,987	536,338	588,065	859,347	797,946	189,530	183,189
Under 70 years	118,817,824	60,177,865	58,639,959	34,403,774	33,592,534	12,266,467	12,495,756	6,666,342	5,745,262	5,741,918	5,917,952
70 years and over	3,863,200	1,907,399	1,955,801	1,024,577	1,058,368	278,838	309,981	481,347	463,632	106,687	110,855
Under 75 years	120,767,828	61,169,512	59,598,316	34,922,166	34,093,448	12,438,111	12,682,242	6,909,654	5,962,564	5,792,814	5,966,152
75 years and over	1,913,196	915,752	997,444	506,185	557,454	107,194	123,495	238,035	246,330	55,791	62,655
Under 80 years	121,874,218	61,717,116	60,157,102	35,224,244	34,403,700	12,512,598	12,765,507	7,047,015	6,094,983	5,822,033	5,995,644
80 years and over	806,806	368,148	438,658	204,107	247,202	32,707	40,230	100,674	113,911	26,572	33,163
Under 85 years	122,408,894	61,968,254	60,440,640	35,366,085	34,565,076	12,536,603	12,794,196	7,114,631	6,168,259	5,837,376	6,013,678
85 years and over	272,130	117,010	155,120	62,266	85,826	8,702	11,541	33,058	40,635	11,229	15,129
Under 90 years	122,614,363	62,059,147	60,555,216	35,415,949	34,630,662	12,543,775	12,803,413	7,140,583	6,198,882	5,844,240	6,021,762
90 years and over	66,661	26,117	40,544	12,402	20,240	1,530	2,324	7,106	10,012	4,365	7,045

TABLE 2.—*Cumulative age groups, by color, nativity, and sex, for the United States: 1930*—Continued

AGE	ALL CLASSES			NATIVE WHITE—NATIVE PARENTAGE		NATIVE WHITE—FOREIGN OR MIXED PARENTAGE		FOREIGN-BORN WHITE		NEGRO	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Under 95 years	122,666,027	62,079,578	60,586,449	35,426,389	34,647,482	12,545,055	12,805,372	7,146,397	6,207,022	5,846,756	6,025,578
95 years and over	14,997	5,686	9,311	1,962	3,420	250	365	1,292	1,872	1,849	3,229
Under 100 years	122,677,060	62,083,861	60,593,199	35,428,091	34,650,503	12,545,267	12,805,704	7,147,484	6,208,649	5,847,829	6,027,116
100 years and over	3,964	1,403	2,561	260	399	38	33	205	245	776	1,691
Age unknown	94,022	51,816	42,206	31,650	25,711	4,839	5,305	6,020	3,804	7,064	6,667
Under 18 years	43,015,712	21,749,777	21,265,935	14,214,963	13,777,928	4,584,383	4,505,591	225,903	226,083	2,276,153	2,317,123
18 years and over [1]	79,759,334	40,387,303	39,372,031	21,245,038	20,898,685	7,965,761	8,305,451	6,927,806	5,986,615	3,579,516	3,718,351
Under 21 years	49,831,422	25,080,323	24,751,099	16,202,064	15,817,784	5,389,501	5,326,060	356,215	372,549	2,620,228	2,738,976
21 years and over [1]	72,943,624	37,056,757	35,886,867	19,257,937	18,858,829	7,160,643	7,484,982	6,797,494	5,840,149	3,235,441	3,296,498

[1] Includes "Age unknown."