

(b) *Services Rendered*

As facilities for research and training in the health-related sciences, the *services*, must be expressed in terms of modern, efficient laboratory facilities. In turn, these facilities provide the basic undergirding for research and the quest for knowledge into the diseases of man by professional research workers and their technical assistants. Pursuit of this research provides the promise of scientific discoveries and medical and surgical techniques which will bring superior care and services to the sick of the future than what is possible today.

(c) *Standards of Performance*

Quantitatively, the health research facilities program today is providing an average of about 200 net square feet of laboratory space per professional research worker, postdoctoral research fellow and trainee, graduate student, technician, and ancillary assistant.

(d) *Qualitative Standards of Performance*

The facilities are designed not only for advanced research of today but for adaptation to the changes in direction of future research. It is estimated that the structures and fixed equipment will possess a life-span (replacement cycle) of 50 years and require some type of remodeling about every 16 to 17 years, or twice during their existence. Movable equipment is given a lifespan of from 5 to 15 years, depending on the durability and obsolescence-ratio of the equipment.

2. EXISTING CAPITAL PLANT IN THE UNITED STATES

General: Definitive data on the capital plant in the United States is not available. Information supplied below relates only to that segment of the capital plant participated in under the Federal health research facilities construction program.

As of December 31, 1965, there were 760 facilities in existence that were financed under the health research facilities program. In addition, 186 facilities were under construction; financing for 99 other projects had been completed, but construction had not yet begun.

The following tables show the distribution of the federally aided facilities by States and by population size of city:

Number of completed health research facilities projects by region and State, as of Dec. 31, 1965

<i>Region and State</i>	<i>Number of projects</i>	<i>Region and State</i>	<i>Number of projects</i>
Total.....	760	East North Central.....	150
New England.....	102	Ohio.....	37
Maine.....	7	Indiana.....	22
New Hampshire.....	4	Illinois.....	51
Vermont.....	4	Michigan.....	19
Massachusetts.....	63	Wisconsin.....	21
Rhode Island.....	10	West North Central.....	94
Connecticut.....	14	Minnesota.....	30
Middle Atlantic.....	153	Iowa.....	20
New York.....	83	Missouri.....	19
New Jersey.....	20	North Dakota.....	5
Pennsylvania.....	50	South Dakota.....	1
		Nebraska.....	6
		Kansas.....	13