

The Direction of Diabetes Research: Lessons Since 2013 and Opportunities After 2020

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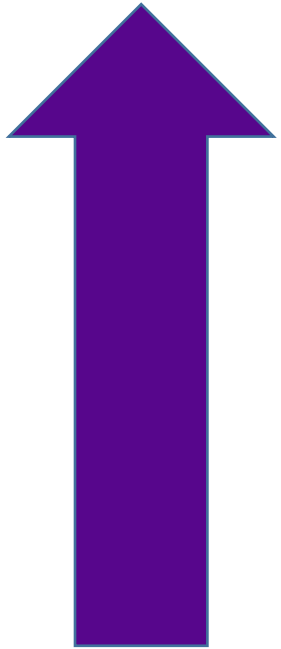
Health Services Research Project Student Competition

April 10th, 2020

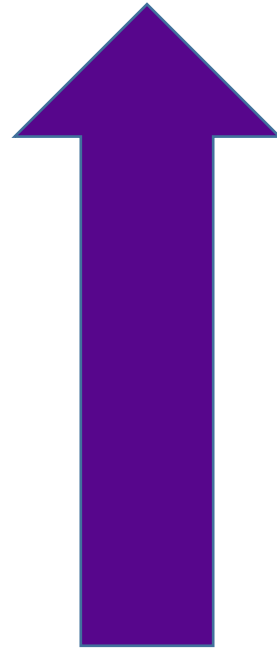


Background

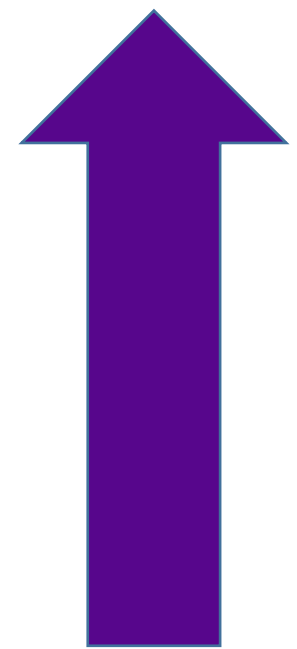
Prevalence,
Incidence



Cost



Disparity²



54% Increase by
2030¹

53% Increase by
2030¹

Purpose

- 1 Synthesize research aims and describe funding sources of diabetes research since 2013;
- 2 Inform opportunities for new directions in diabetes research beyond 2020

Methods

Advanced Search

	Title	diabetes OR diabetic OR diabetics	-
OR	MeSH Terms	diabetes OR diabetic OR diabetics	-
AND	All Fields		- +

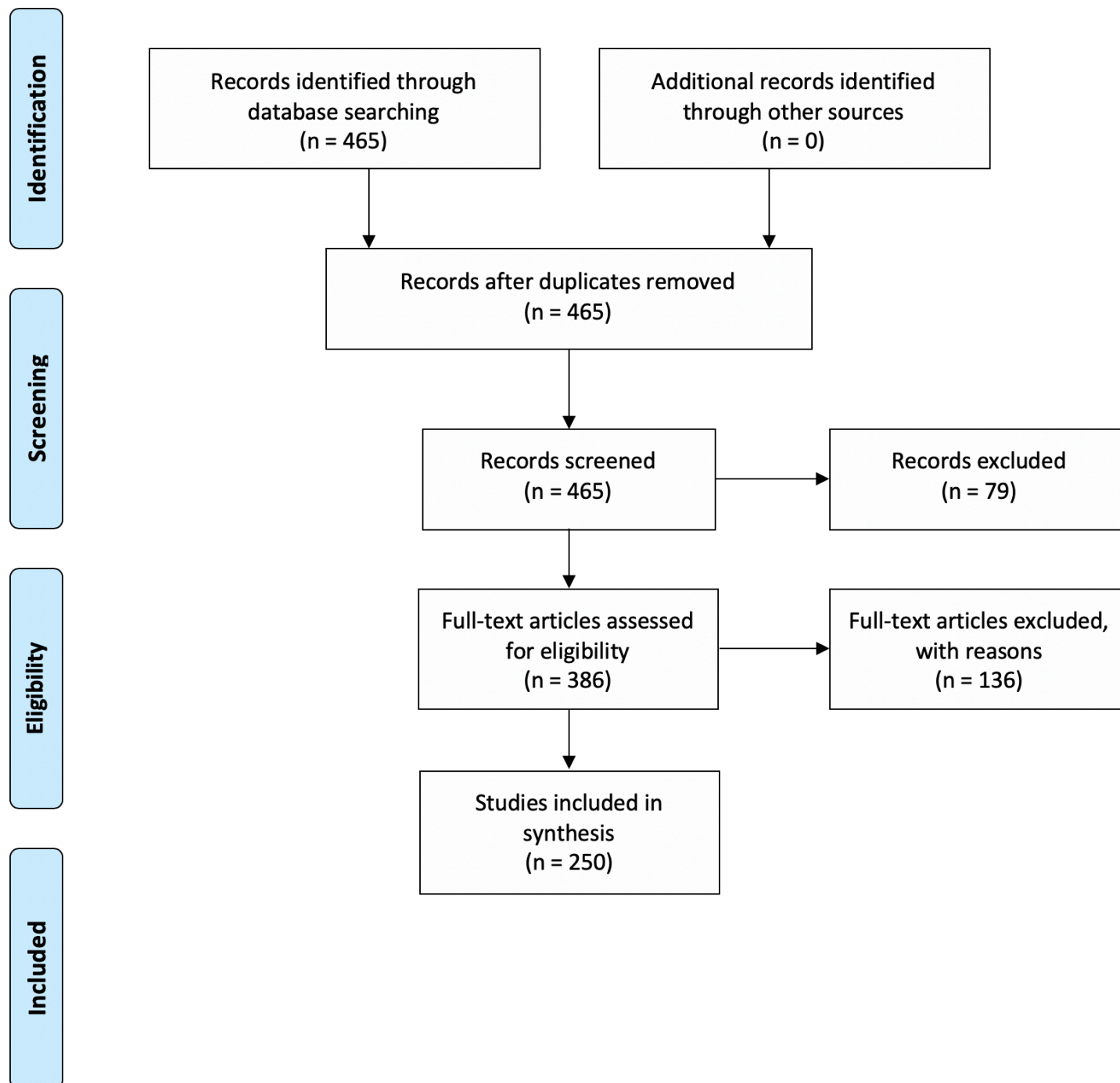
Search Limits

Limit to Latest Update	No
States/Territories	<div>All Alabama Alaska Arizona</div>
Initial Year Range:	From 2013 To 2019
Final Year Range:	From 2013 To 2025
Project Status	All
Country	<div>All Africa American Samoa Argentina</div>
	<div>SearchReset</div>

Click the 'Ctrl' key to include more than one state or territory in your search.

Click the 'Ctrl' key to include more than one country in your search.

Screening



Analytical Process

Authors	Project Title	Funding Source	Project initiation date	Project termination date	Status	Grant Total	Project Type
Project Background		Research Priority/Project Aims			Research Priority/Project Aims	MeSH Terms	

Qualitative

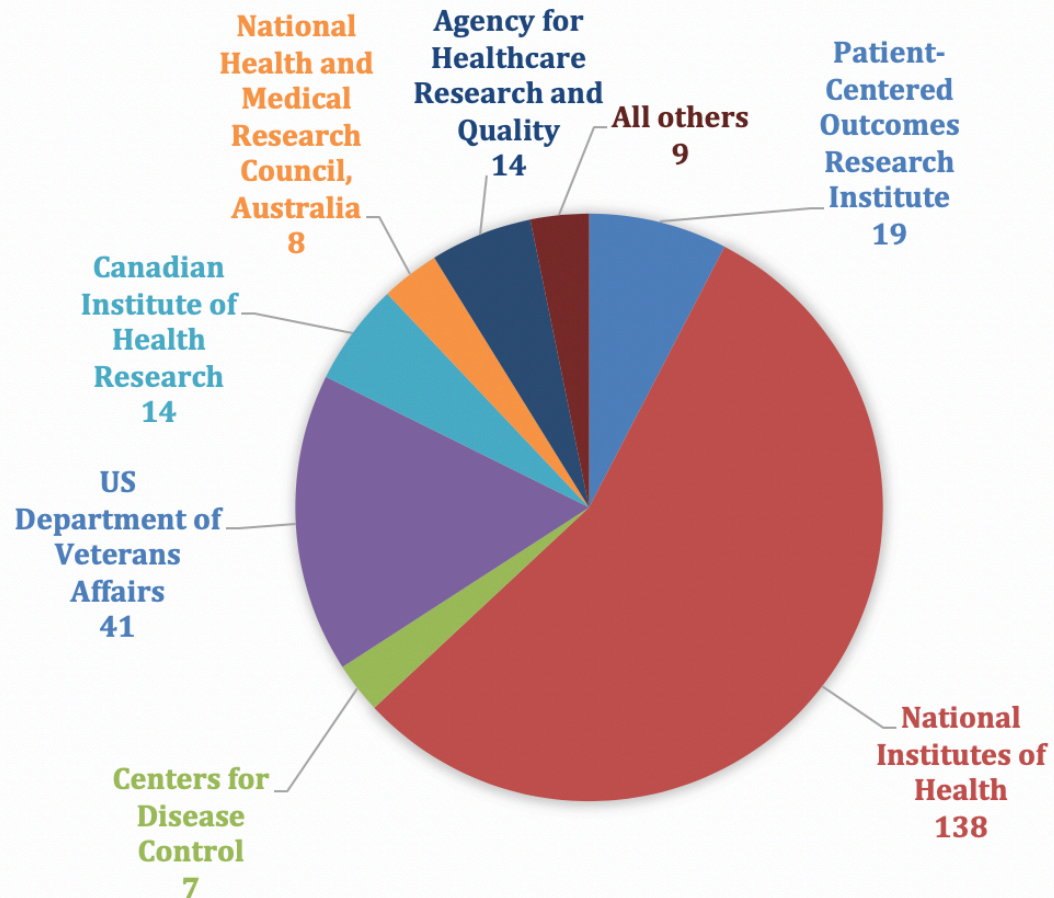
- Conventional Content Analysis³
- Classified into one of five thematic areas

Quantitative

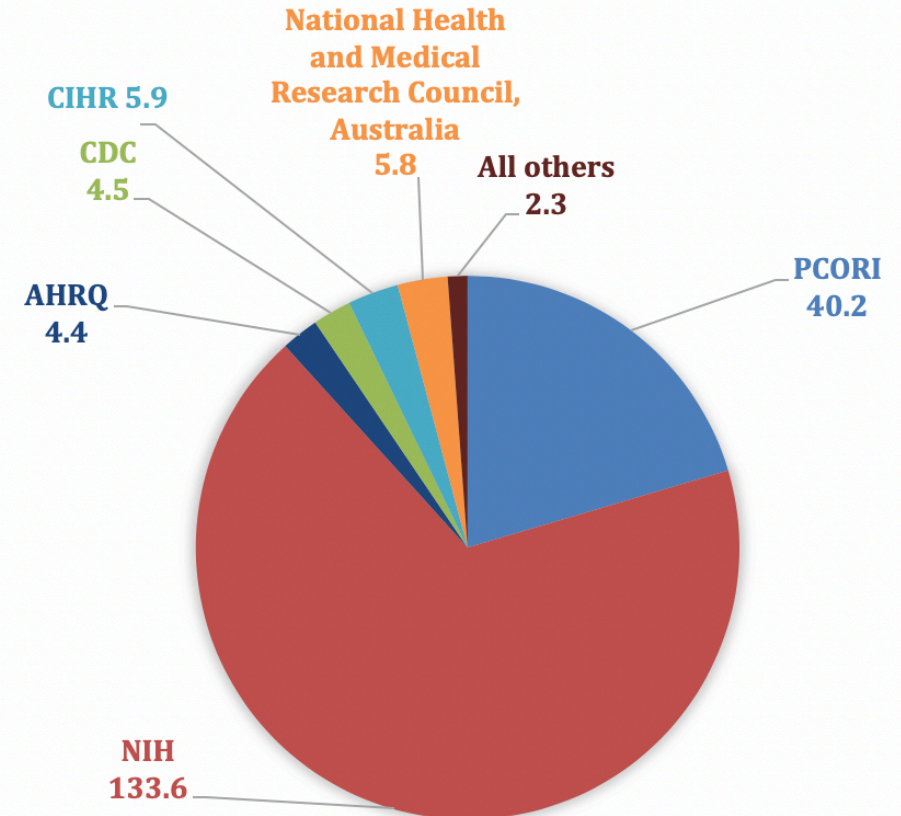
- Funding allocated to each concept

Quantitative Results

NUMBER OF PROJECTS BY FUNDING SOURCE



FUNDING BY MILLIONS OF DOLLARS



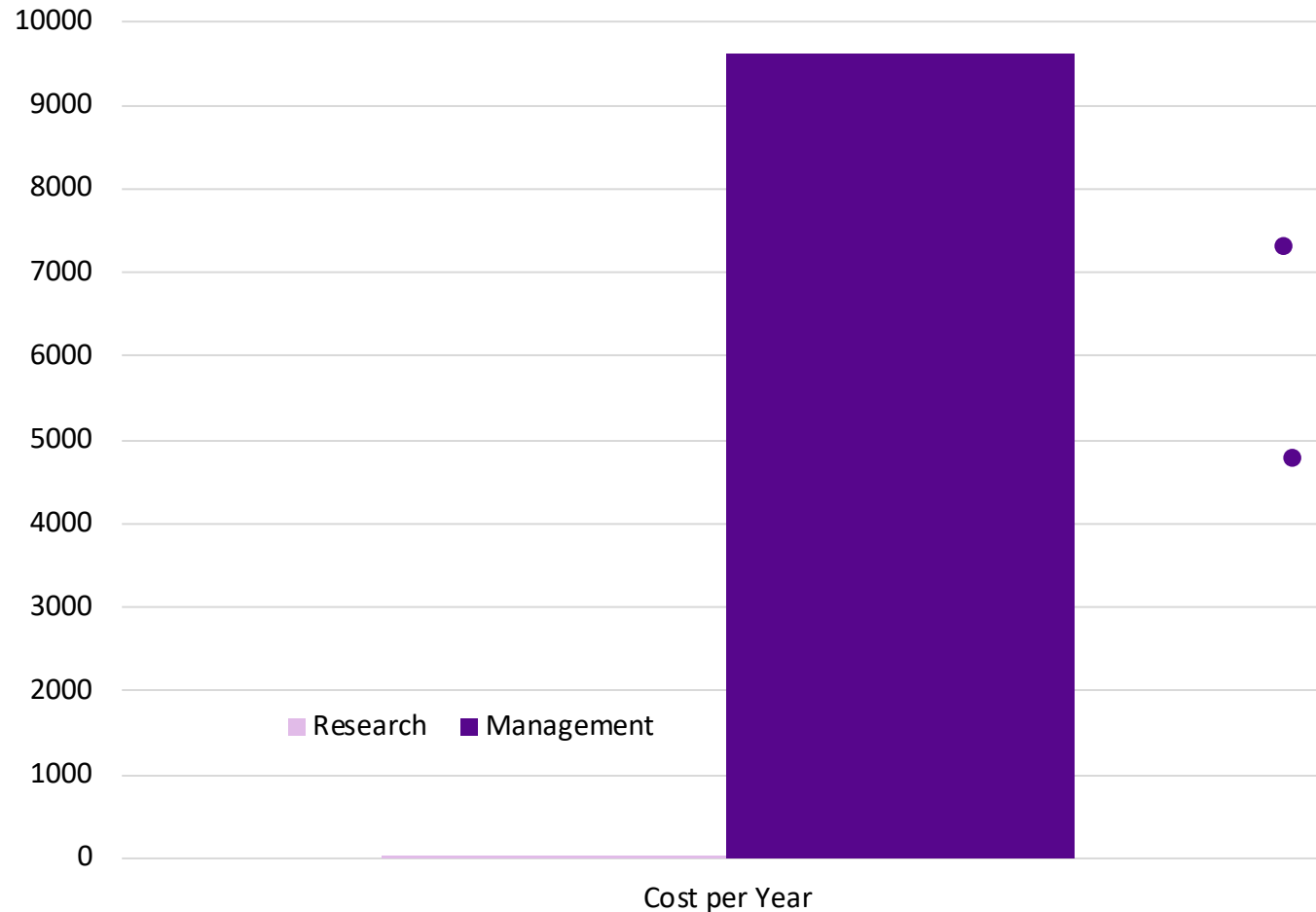
*The VA did not provide funding in dollars.



Total funding 2013-2019:
\$196,859,863

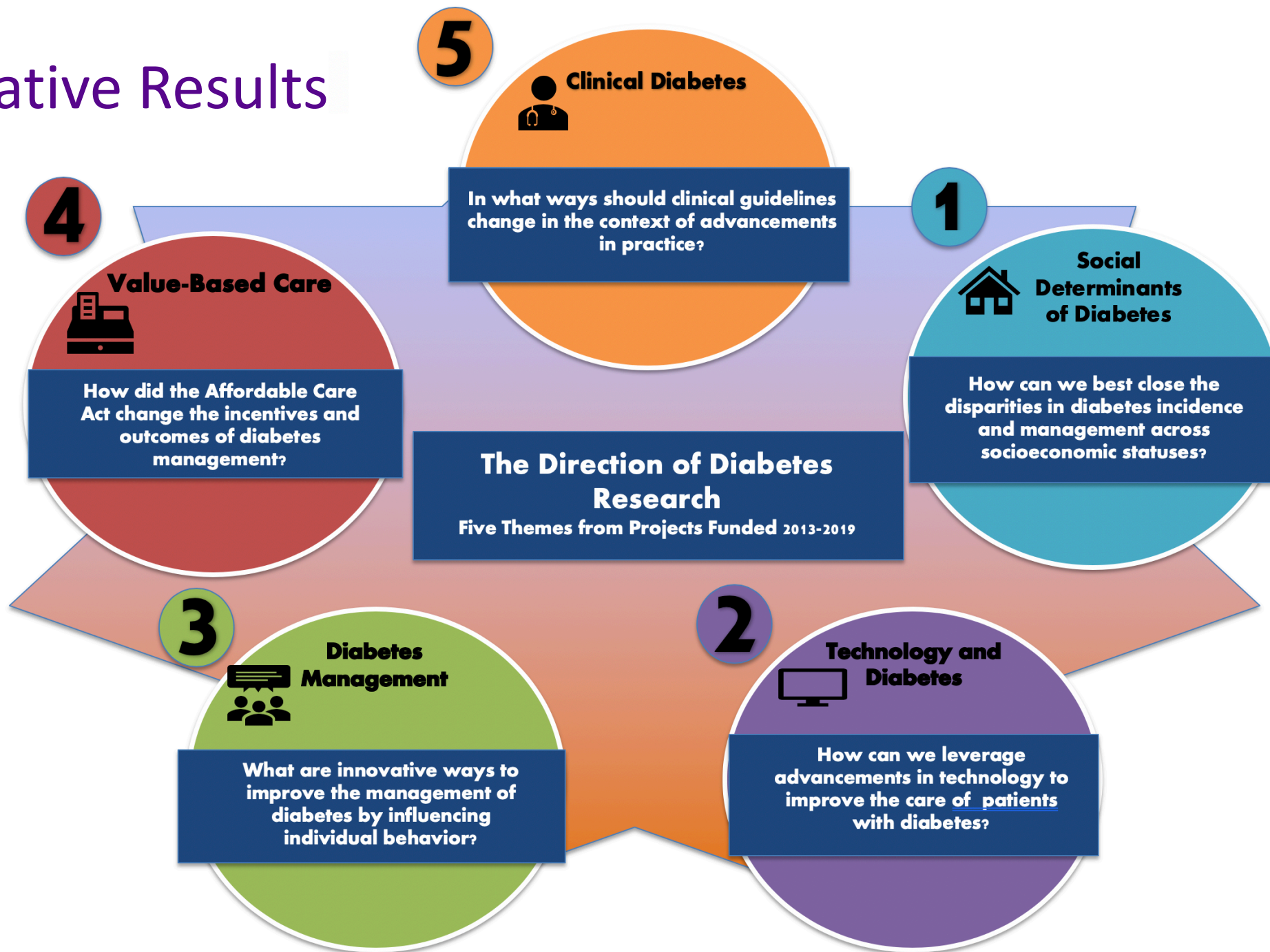
Investment Disparity

Dollars Invested per Person with Diabetes per Year,
2013-2019



- \$6 per person on research in the last five years;
- \$9601 per person, per year, on management¹

Qualitative Results



Conclusions and Recommendations

Research has emphasized:

1. Innovating the use of technology to promote self-management of diabetes;
2. The ways that incentives have been shaped by the Affordable Care Act and thus affect diabetes management and access to care;
3. The best practices for clinical guidelines;
4. And the social disparities in diabetes.

Future research should:

1. Focus on engagement in prevention
2. Focus on community and national—as opposed to individual—context in prevention and treatment
3. Investigate increased disparities

References

Centers for Disease Control and Prevention. National diabetes statistics report, 2020. Atlanta, GA: 2020.

Beckles, G. L., & Chou, C. F. (2016). Disparities in the prevalence of diagnosed diabetes—United States, 1999–2002 and 2011–2014. *Morbidity and Mortality Weekly Report*, 65(45), 1265-1269.

Hsieh HF, Shannon SE. Three approaches to qualitative content analysis. *Qualitative health research*. 2005 Nov;15(9):1277-88.



Thank you!