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Developing a Systems-Oriented Theory of Change for the Social Mission of Health Professions Education

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Fitzhugh Mullan Institute for Health Workforce Equity

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Questions

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Background

Health Professions Education & Health Equity

Health disparities continue to plague the United States and have been exacerbated and spotlighted by the COVID-19 pandemic. Multiple factors – rooted in upstream policies and power structures and manifest in all levels of society - drive these disparities. Achieving health equity, therefore, necessitates a multi-faceted, all-of-society approach. The health professions education (HPE) system is one of many that must be part of this endeavor.

Health care alone is not sufficient for achieving health equity, but it is unequivocally an important part of the equation. There is no health care without the people who provide it. In its broadest definition, the health workforce mediates almost all health policies and their effects on who receives health services and their quality. Therefore, the link between health equity and the training and education of the health workforce is crucial to define and publicize as part of a larger strategy to improve community health, reduce health disparities, and ultimately advance health equity.

Health professions schools graduate nearly a million students annually in the United States.¹ These schools play an important role in determining the future workforce, including which professions are produced, and whether graduates choose high-need specialties, practice in underserved populations, and have the skills and courage to advance health equity. The contribution of a health professions school in its mission, programs, and the performance of its graduates, faculty, and leadership in advancing health equity and addressing the health disparities of the society in which it exists is known as "social mission".

Systems Perspective of Social Mission

While health professions schools and training programs certainly play a significant role in shaping the future health workforce, they do not operate in a vacuum. Just as multiple systems of influence contribute to health outcomes, so too do they interact with and exert pressure on the HPE enterprise in ways which facilitate or hinder social mission. We refer to this as the 'systems perspective of social mission'. Change agents both internal (e.g., students, faculty) and external (e.g., government, regulators, the current health workforce) to health professions schools live, learn, and work within these systems and wield the potential to influence HPE. This is evidenced, for example, when health professions schools adapt their curriculum and policies to meet new accreditation requirements,^{2,3} or when health professions students unite to hold schools publicly accountable for their role in health and social justice.^{4,5}

The consequences of focusing too narrowly on health professions schools' role in social mission without accounting for the influence of other systems represent barriers to advancing the social mission of HPE. If systems drivers aren't made explicit in social mission theory, they may lack consideration in the research and evaluation needed to develop a stronger evidence base for what works to advance HPE's contributions health equity. Most importantly, the lack of this systems acknowledgement is a missed opportunity for wider visibility, shared understanding, and collective action around social mission, with multiple agents of change viewing themselves as contributors to and benefactors of it (refer to Table 1 for examples). It also lets some of the potential change agents with the biggest stake and most powerful levers to influence social mission off the hook for it. We assert that multiple systems and the infinite change agents they host play a role in advancing social mission, but that they must first recognize their role and power in doing so.

Project Rationale and Aim

Prior social mission research has found a lack of a clear definition around what constitutes social mission in health professions education (HPE), wide heterogeneity in outcomes and metrics, and little specificity on how the expected impact of social mission-related activities would advance health equity.⁶ Social mission scholars and advocates have called for strategies to accelerate understanding of what works in HPE to directly advance health equity goals and to promote adoption of social mission in mainstream HPE.^{1,7} Among these is a stated need to develop a theoretical social mission framework to more clearly illustrate social mission activities and the mechanisms that drive them, outcomes, and the pathways by which HPE may contribute to health equity.¹

Similar models and evaluation frameworks in the related area of social accountability,⁸ such as TheNET's Social Accountability Theory of Change,⁹ serve as relevant examples for this work. However, they omit the agents and mechanisms that shape social mission in a systems context.

Social Mission Change	Key Contributions to	Benefits of Contributing to
Agents	Advancing Social Mission	Social Mission
Health systems	Make data available for research;	Profit from a workforce prepared to
	communicate specific workforce	provide value-based care
	needs to health professions schools	
Community members	Identify and communicate	Gain access to a health workforce
and organizations	community needs; serve as clinical	that is prepared to meet community
	training sites; participate in research	needs
Health professions	Demand schools provide training that	Access evidence-based training
students	supports social mission; participate in	programs that support social
	program evaluations and research	mission

 Table 1. A summary of key benefits and contributions for select social mission change agents

Source: Excerpted and adapted from Erikson & Ziemann, 2021ⁱ

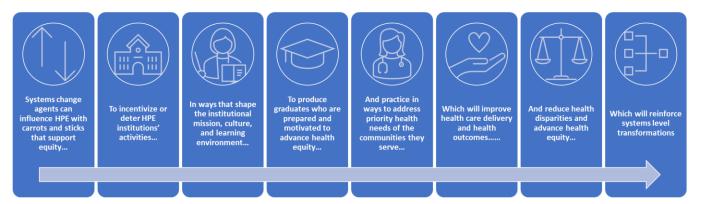
We also note that prior social mission and social accountability frameworks omit or underemphasize the role structural racism has and continues to play in HPE, activities to combat it as prerequisite to advancing social mission, and demonstrable equity and inclusion outcomes beyond student body demographics. By omitting the role of structural racism from guiding social mission frameworks, the perpetuation of social injustices in the health system is reinforced. Using just one example, race continues to be presented as a biological construct in medical school curricula,^{10,11} potentially imprinting future physicians with harmful stereotypes that will result in biased and discriminatory health care practices that hurt minority patients and contribute to health disparities. Structural racism must therefore be acknowledged as a powerful influencer in HPE - and its dismantling a target of activity - if health equity is to be advanced via the training of future health professionals.

Our focus on structural racism reflects the urgency of the moment combined with the growing understanding of the extent and reach of racism in HPE – including application processes and testing standards, curriculum and extracurricular activities, faculty and leadership opportunities, and school culture – and the harm it causes not only to Black students, faculty and administrators but to the broader education community, health care delivery and society at large.¹²,¹³ We acknowledge there are multiple systems of oppression related to gender and sexual identity, disabilities, and other demographic and economic factors, as well as their intersectionality. The emphasis on structural racism

is not intended to diminish the need for educational reforms related to these other marginalized populations and in fact, hope it will lead to broader systemic changes that will benefit all populations facing discrimination and other injustices in HPE.

In this report, we present a consensus-driven, systems-oriented theory of change for the social mission of HPE that builds upon existing models while addressing the content gaps noted. The underlying systems-perspective rationale for social mission is presented as Figure 1 and serves as the narrative for the theory of change presented in this report.

Figure 1. Systems Perspective of the Social Mission of Health Professions Education



Theory of Change Development Process

We used an iterative and collaborative process to develop the theory of change, recognizing that a consensus-driven approach is important to wider socialization of and responsiveness to the tool. First, we conducted a literature review to identify existing logic models and evaluation frameworks related to social mission or social accountability, a list of which is included as Appendix A. Then, we performed a qualitative content analysis of elements contained within these resources to identify 1) common themes and core elements across resources for inclusion in the theory of change, and 2) content gaps that should be addressed.

Second, we hosted a workshop at the 2022 Beyond Flexner Alliance (now the Social Mission Alliance) Annual Meeting, which draws attendees committed to the advancement of health equity in HPE, including students, faculty, researchers, practitioners, and community members. The aim of the workshop was to gather feedback on the systems-level change beyond health professions schools that can influence social mission and the mechanisms by which they can do so.

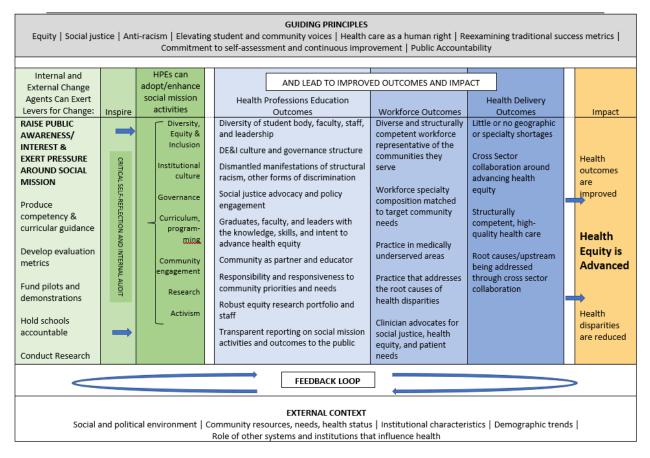
Third, we hosted a half-day workshop with an advisory committee to present an initial version of the theory of change, gather feedback, and refine the model. The advisory committee was comprised of 7 members and included social mission researchers, social mission advocates, health professions students, and a family medicine practitioner.

The theory of change presented in this report represents the culmination of findings and consensus-building from the three-step process outlined. However, it should not be interpreted as static. We intend to continue to gather feedback from social mission stakeholders to strengthen and expand buy-in, which we believe is necessary to help change agents acknowledge and embrace their roles in advancing the social mission of HPE. This theory of change is a living model, which will be updated periodically to reflect feedback from these stakeholder bodies, which may include professional associations, health care systems, policy makers, and community organizations.

A Theory of Change for a Systems Approach to the Social Mission of HPE

The development process described above resulted in the *Theory of Change for a Systems Approach to the Social Mission of HPE* ("social mission TOC"), presented in Figure 2 (for a larger image, refer to Appendix B). It is comprised of multiple, inter-related elements, and supplemented by two nested tables, which are described in further detail below.

Figure 2. Theory of Change for a Systems Approach to the Social Mission of Health Professions Education



Guiding Principles: These principles were identified by collaborators as those which, if espoused by health professions schools and influencing change agents, facilitate decision making and action to strengthen the social mission of HPE. Equity, social justice, and anti-racism were emphasized as necessary principles if the structural racism and other systems of oppression still manifest in HPE, health systems, and health care delivery are to be acknowledged and dismantled. There was also consensus around the need for communities and students – often the passive recipients of HPE and programming – to be valued as partners and leaders in informing and making decisions. Recognizing health care as a human right is inherent to health equity pursuits, while the principle of reexamining traditional success metrics speaks to a shift in the valuation of educational and health delivery outcomes, with greater emphasis placed on those more squarely aligned with equity. Lastly, progress toward advancing health equity in HPE will require a commitment to ongoing self-assessment and continuous improvement paired with recognition of health professions educators' public accountability to produce a workforce that meets the nation's needs. External Context: We acknowledge the many environmental, social, political, and other forces external to HPE that nonetheless influence it. These external factors may facilitate or hinder social mission by serving as reinforcing or countervailing influencers on external change agents and HPE institutions. There are stakeholders who will want to protect the status quo as well as well entrenched systems, such as health care financing models or tenure track pressures, that can stand in the way of transformation of the nature and magnitude required to achieve health equity. Being aware of these countervailing forces and identifying opportunities for change agents to demonstrate to relevant stakeholders how advancing

social mission will support their respective interests will be an important part of transforming health education.

Agents & Levers for Change: Change agents may be individuals or groups with any leverage to influence HPE institutions' social mission activities through incentivization or the threat of negative consequences. They may be internal to health professions education institutions or represent systems outside of HPE that have the power to drive change. Our advisory group and collaborators identified six broad mechanisms (i.e., levers for change) by which change agents may influence the advancement of the social mission of HPE. These levers for change and their potential change agents are defined in more detail in Appendix C. We assert that any of these levers can promote new or enhanced social mission activities within HPE institutions, either alone or in combination with one another. Importantly, levers for change can also influence one another, ultimately acting synergistically to advance social mission. There was consensus among those who helped developed the social mission TOC that public pressure is a powerful force, that serves as the lever for change with the greatest potential to transform the HPE enterprise - from policy, to programming, to culture. This public pressure is predicated on public awareness of and interest in the connection between the role of HPE and health equity.

Institutional Social Mission Activities: Multiple

Social Mission Change Agents: Everyone has a role to play

Internal to HPE institutions:

Current & prospective students; faculty; staff; administration; leadership

External to HPE institutions (Systems):

Current health workforce (Healthcare); patients, community members, and members of the public (The Public); employers (Labor market); professional associations, licensing boards, accreditors (Regulation & Professionalization); policy makers (Federal and state government); researchers, journals, media (Communications & Dissemination); mission-driven funders (Philanthropy); advocates (Non-governmental Organizations) *(and more...)*

prior evaluation and theoretical frameworks have described the role and function of health professions schools in relation to social mission or social accountability. The seven institutional social mission activity domains included in the social mission TOC draw from those existing resources. Each of these domains presents an opportunity for action to advance social mission within health professions schools and can be targeted for transformation via levers of change.

A common activity that must be applied across all domains to advance social mission and the creation of inclusive and equitable educational environments is a critical internal examination of the ways power, privilege, and structural racism manifest themselves in health professions education, thus perpetuating systems of oppression. This inward-facing activity facilitates schools' self-reflection and reckoning with implicit and explicit oppressions and injustices and represents an initial step in the long-

term commitment needed to address them. Institutional social mission activities are described in further detail in Appendix D.

Outcomes: Three categories of outcomes: HPE; workforce; and health delivery are included in the social mission TOC. HPE institution's performance on social mission outcomes can be used to guide further changes within institutions and the systems that influence them, represented as a feedback loop in Figure 2.

HPE Outcomes: These outcomes are those specific to the educational or training environment, programming, student body, or school community. Though not exclusively, many of them may be considered short-term or proximate outcomes. Some of these outcomes – such as student diversity (especially racial/ethnic diversity), knowledge, and skills - have been the primary focus of much of the social mission evaluation and outcomes research to date.ⁱ Others like inclusive institutional culture, community partnerships, and institutional advocacy have been less emphasized. The social mission TOC therefore reinforces and expands upon some of the traditional outcomes used in social mission research.

Workforce Outcomes: Workforce outcomes are included as a precondition of and intermediate step to the advancement of health equity in the United States. Many of them have been defined de facto in prior social mission research, most notably by Mullan and colleagues in their seminal ranking of medical schools' social mission.¹⁴ The workforce outcomes included in the social mission TOC are long-term outcomes that collectively would achieve a health workforce designed to meeting the priority health needs of society. They include: high need health specialties (which may vary based on community need but would emphasize primary care specialization); practice in underserved areas, like health professional shortage areas, rural communities, and community health centers; practicing in ways that address the

root causes of health disparities (i.e., the structural and social determinates of health); and a diverse and structurally competent workforce. Social mission TOC collaborators agreed that when discussing health workforce diversity, 'diversity' should be considered beyond just race and ethnicity to be inclusive of multiple dimensions (e.g., socioeconomic, demographic, sexual and gender identity, physical ability, etc.). While other social mission frameworks have identified cultural competency as an outcome, the systems TOC instead emphasizes structural competency to address the limitations and critique of cultural competency as an end goal in health professions training and instead reframe it to enable clinicians to "recognize ways that institutions, neighborhood conditions, market forces, public policies, and health care delivery systems shape symptoms and diseases."¹⁵ Lastly, recognizing the potential and power of clinicians as advocates for the communities they serve, the systems TOC expands upon prior frameworks by emphasizing individual and

Structural Competency

The trained ability to discern how a host of issues defined clinically as symptoms, attitudes, or diseases (e.g., depression, hypertension, obesity, smoking, medication "non-compliance," trauma, psychosis) also represent the downstream implications of a number of upstream decisions about such matters as health care and food delivery systems, zoning laws, urban and rural infrastructures, medicalization, or even about the very definitions of illness and health.

Metzl JM, Hansen H. Structural Competency: Theorizing a new medical engagement with stigma and inequality. *Social Science & Medicine.* 2014;103:126-133.

collective clinician advocacy as a priority social mission outcome.

Health Delivery Outcomes: Collectively, as health professions training programs produce a workforce with the skills and training (including structural competency) as well as the motivation and courage to advance health equity, we will see a dramatic change in how health care is delivered. While these changes will not happen overnight, provider engagement in a systems level approach to advancing health equity will foster greater alignment with community needs. As more providers train in high need specialties and practice in medically underserved communities, this could ultimately lead to little or no geographic or specialty shortages. Further, a structurally competent workforce will work to put in place evidence-based practices concordant with community needs and preferences. They will also advance institutional and public policies that enable cross-sector collaborations and enhance health systems' ability to address the social and economic conditions that affect community health.

Impact: The ultimate goal of social mission is to advance health equity by improving health outcomes and reducing health disparities in communities. Ostensibly, the culmination the HPE, workforce, and health delivery outcomes defined – initially driven by levers of change and institutional social mission activities - would contribute to the achievement of this goal. We map out but one theoretical example of this evolution in Figure 3.

LEVERS FOR CHANGE	SOCIAL MISSION ACTIVITY	HPE OUTCOME	WORKFORCE OUTCOME	HEALTH DELIVERY OUTCOME	IMPACT
New SDoH accreditation and certification requirements make schools accountable for transforming curriculum to better incorporate SDoH. Funders support development of SDoH competencies/ trainings and research to identify best practices.	Health professions schools pilot and adopt innovative SDoH curriculum to meet accreditation standards and ensure high pass rates on certification exams.	Graduates possess skills and training to address SDoH within the context of healthcare delivery	Clinicians' practice includes screening for the SDoH, accounting for them in care plans, and linking patients to needed services and resources.	The SDoH are normed and prioritized in mainstream clinical care leading to increased cross-sector collaboration to further enhance the ability to meet patient needs, including addressing root causes.	Community health outcomes are improved, because health mediating factors (SDoH) are addressed

Figure 3. Example of Application of the Theory of Change for a Systems Approach to the Social Mission of Health Professions Education to the Social Determinants of Health (SDoH)

Accountability

The question of who should be accountable for the social mission of HPE is one that has been discussed in the literature,^{iv,16,17} and the answer has implications for policies targeting health professions schools and the systems that influence them. There is no denying that health professions schools lie at the center of HPE and thus play a considerable role in shaping HPE and the future health workforce produced. However, placing the onus of responsibility and accountability on schools alone fails to communicate the web of influencing factors (and necessary resources) that must be in place to support social mission and risks backfiring if schools thus feel overwhelmed by the seeming enormity of the task being asked of them. Further, unless entities beyond the schools - health systems, employers, the media, and health equity advocates, to name a few – are explicitly defined as important players in the HPE ecosystem and see themselves as such – the power of these potential agents of change will never be fully harnessed in ways that advance health equity through HPE.

How to hold HPE accountable for social mission presents an opportunity for change agents to play an active role in defining, implementing, and socializing evaluation metrics. This is important, given evidence that those most entrenched in HPE may do a poor job evaluating schools' performance in efforts to advance social mission aims.¹⁸ Thus, the inclusion of external accountability stewards is warranted. Successful examples of this relationship already exist. For example, the Social Mission Metrics Initiative,¹⁹ led by researchers at the George Washington University, provides a system of metrics and self-assessment tool allowing schools to benchmark and track their social mission performance. Though self-assessment participation is voluntary and individual school-level results are confidential, the institutional self-analysis it provides is a potent tool for change and improvement,²⁰ and the initiative demonstrates the important role of researchers in health social mission accountability. Researchers have also held HPE accreditors accountable by explicitly identifying the extent to which each includes social mission content in accreditation standards – highlighting strong and weak performers.²¹

Funders like the federal government can also play a role in accountability by providing financial support to perform and disseminate needed research to shine a light on effective strategies for advancing social mission, institutional exemplars, and areas of needed improvement. For example, the Health Resources and Services Administration (HRSA) funds 2 health workforce research centers focused on health equity in HPE and training.^{22,23} U.S. News & World Report – relied upon by prospective students and others for their highly publicized national rankings of educational institutions - has recently added medical school rankings based on social mission outcomes: most diverse medical schools; medical schools with the most graduates practicing in primary care; medical schools with the most graduates practicing in rural areas; and medical schools with the most graduates practicing in Health Professional Shortage Areas. This latter example highlights the contributions of change agents as non-traditional as the media in promoting social mission accountability.

Further involvement of other stakeholder groups in creating greater accountability for social mission in HPE could energize non-traditional players in their role as social mission change agents while increasing pressure on health professions schools and the systems that shape them. Importantly, the people and groups that the HPE enterprise should be accountable to should be the ones assessing social mission performance. Students' perceptions, for example, are arguably the most meaningful measure of schools' performance in creating inclusive and supportive environments and cultures. When student voices are critical of HPE's performance in this area and its negative implications for health equity, it can draw attention to the matter, forcing discussions around accountability.²⁴

Ultimately, the intended benefactors of social mission are communities and the individual members of the public who comprise them. For HPE institutions to meet their obligation to ensure "a positive social return on investment to public health",^{iv} they must be able to demonstrate improved community health outcomes. Community feedback thus features prominently as a performance indicator in existing social mission evaluation and assessment models, but could be further socialized as a valued indicator of HPE quality broadly. By recognizing communities as the ultimate authority on their social mission performance, HPE institutions can solidify their accountability to communities and the public at large.

Next Steps

This report and appended resources are a step along the way in a larger, ongoing effort to engage and activate all stakeholders in their roles as social mission change agents. We thus envision the Theory of Change for a Systems Approach to the Social Mission of Health Professions Education and its supplemental tables as living documents that will continue to evolve based on feedback received. The versions presented in this report are intended as a springboard for further collaboration, discussion, and innovation in social mission. Further, while this version of the TOC focuses primarily on health professions schools, we believe it has broader applicability to residency training and continuing education that requires additional consideration.

Working with and through the Social Mission Alliance,²⁵ we will further socialize and refine the Social Mission TOC with stakeholders beyond those who contributed to its original development. Since this report was initially drafted, its authors have already received thoughtful constructive feedback from 'boots on the ground' equity champions, which will be incorporated into future iterations of these tools. The authors assert that public pressure is one of the most powerful tools for driving the structural changes needed to advance health equity. Feedback on this work from the public at large is welcome and appreciated and can be directed to Margaret Ziemann at <u>mziemann@gwu.edu</u>.

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The	eory of	Change for a Sy	stems Approach to the Social Mis	ssion of Health Pro	fessions Education	
	-	i-racism Elevating	GUIDING PRINCIPLES student and community voices Health card to self-assessment and continuous improve AND LEAD TO IMPROVED Health Professions Education Outcomes W Diversity of student body, faculty, staff, and leadership Colspan="2">Colspan="2" Colspan="2">Colspan="2" Colspan="2" Colspan="2" Colspan="2" Colspan="2" Colspan="2" Colspan="2" Colspan="2" Colspan="2" Colspan="2"	ve as a human right Recement Public Accounta	CT Health Delivery Outcomes Little or no geographic or specialty shortages Cross Sector collaboration around advancing health equity Structurally competent, high- quality health care	ess metrics Impact Health outcomes are improved Health Equity is
Fund pilots and demonstrations	NTERNAL AUDIT	Community engagement Research	Responsibility and responsiveness to provide the community priorities and needs the community priorities and needs	Practice that addresses	Root causes/upstream being addressed through cross sector collaboration	Advanced
Hold schools Activism Robust equity research portfolio and staff Inealth disparities Hold schools Transparent reporting on social mission activities and outcomes to the public Clinician advocates for social justice, health equity, and patient needs Health disparities						disparities
			FEEDBACK LOOP	<		>

EXTERNAL CONTEXT

Social and political environment | Community resources, needs, health status | Institutional characteristics | Demographic trends | Role of other systems and institutions that influence health

Lever for Change	Definition	Strategies	Change Agents (Examples)	Early Examples of what has already been done
PUBLIC PRESSURE	Advocate and hold institutions and health care enterprise accountable for social mission and health equity	 Advocate for health professions schools, health systems, and the organizations that represent them to play a more active role in advancing health equity and dismantling structural racism Assess and publicize schools' commitment to social mission Ensure recruitment, hiring, and retention practices reflect demand for a health workforce prepared to advance health equity Demand representation and elevate voices of those typically not brought to the table 	Current and prospective students Current health workforce Advocacy organizations Health workforce employers Patients Communities Media Researchers Journals Elected officials Unions	Advocating: White Coats 4 Black Lives Racial Justice Report Card Social Mission (Beyond Flexner) Alliance Assessing and publicizing: Social Mission Metrics Initiative US News and World Report Best Medical School Rankings for Diversity and Practice Areas Building a workforce for health equity: Kaiser Permanente investment to start a medical school to bring mission driven students into their integrated healthcare system Demanding Representation: Health Affairs journal outreach to encourage and support submissions from researchers of color

	Drovido dority	Douglan and distribute	Professional	Compotonciaci
	Provide clarity	Develop and distribute		<u>Competencies:</u>
	around social	student competencies aligned	associations	The Interprofessional Education Collaborative's <u>Core</u>
	mission-oriented	with social mission		Competencies for Interprofessional Collaborative
	expectations for		Advocacy	Practice
	schools and	Provide guidance on	organizations	
	students, guidance	implementing social mission		AAMC Diversity, Equity, and Inclusion Competencies
	on implementing	practices, policies, and	Accreditation bodies	
	social mission	programming		Guidance:
ES.	programming, and		Licensing and	AACN Holistic admissions guidance
Z	evaluation metrics	Provide social mission training	certification boards	
GUIDELINES; ION	aligned with social	resources		Health Professions Accreditors Collaborative and
	mission		Researchers	National Center for Interprofessional Practice and
encies & gui evaluation		Update testing content and		Education Guidance on Developing Quality
B DI		policies to incorporate social	"Best practices" HPE	Interprofessional Education for the Health Professions
8 & IAT		mission principles in	institutions	NW SDoH
COMPETENCIES EVALU		evaluation efforts		
		evaluation enorts	Federal agencies	American Academy of Pediatrics elimination of race-
ы Ш			(e.g., HRSA,	based treatment guidance
			Departments of	based treatment guidance
AP			Education; Labor)	National Callabourting for Education to Address the
				National Collaborative for Education to Address the
U C				Social Determinants of Health Curriculum Collection
				Training:
				AMA Health Equity Education Center
				Evaluation:
				USMLE Step 1 transition to pass/fail
				MCAT testing accommodations

APPENDIX C: SOCIAL MISSION LEVERS FOR CHANGE

	1		E de la color de la color de la	Difference of a second second
	Incorporate social	Fund HPE pilots and programs	Federal government	Pilots and programs:
	mission into funding	intended to promote social		RWJF-funded Dental Pipeline Program
	values and priorities	mission and advance health	States	RWJF-funded Summer Health Professions Education
		equity		Program
			Philanthropy	
		Restructure financial		Stipulations tied to funding:
		incentives to be more squarely	Professional	CHGME Quality Bonus System
		focused on equity (e.g.,	Associations	HRSA Rural Residency Planning and Development
		stipulated as a required part		Program
		of evaluation)		
				Research and evaluation:
(7		Provide funding for social		HRSA funded National Collaborative for Education to
		mission research and		Address the Social Determinants of Health
ā		evaluation to build the		HRSA funded Health Workforce Equity Research
		evidence base and identify		Centers
E E		, what works		
				Training for value-based care
		New payment models that		Kaiser Permanente investment to start a medical
		would incentivize training for		school to prepare students for value-based care health
		value-based care		delivery models
		Value-based care		delivery models
		Fund the dissemination and		
		elevation of social mission		
		achievements and best		
		practices of less well-		
		resourced HPE schools and		
		programs		

	Create social	Define accountability	Federal government	Defining measures:
	mission incentives	measures		Social Mission Metric Initiative
	for change through		States	
	adoption and	Put in place audits to guide		Audits:
	enforcement of	critical self-assessment of	Accrediting bodies	Equity and Diversity Audit Tool for Canadian Medical
	policies that hold	DE&I culture		Schools
	HPE institutions		Professional	
		Incorporate social mission in	associations	Accreditation standards:
	accountable,	Incorporate social mission in	associations	Accreditation standards:
	ultimately to the	accreditation standards		Multiple captured by Orban & colleagues (2022) across
⊢	public		Researchers	health professions education accrediting bodies
É.		Provide HPE institutions with		
		the data and tools needed for	Journals	Data and tools:
AB		social mission self-assessment		National Social Mission Self-Assessment
ACCOUNTABILITY		and insert expectations	Communities	
5		around improvement and the		Promotion:
ō		milestones needed to	Students	U.S. News and World Report rankings of medical
O			Students	
A A		demonstrate it		schools based on social mission outcomes
		Promote high performing		Communities as gatekeepers:
		institutions and those making		Temple University School of Medicine Community
		progress in advancing social		Interviewers
		mission		
		Elevate communities as		
		gatekeepers of the health		
		workforce pipeline		

	Conduct and	Assess community and	Government,	Assessing needs:
	disseminate social	population needs that can	academic, and	County Health Rankings, University of Wisconsin
	mission research to	inform institutional social	private sector	Social Vulnerability Index, CDC/Agency for Toxic
	build the evidence	mission priorities	research	Substances and Disease Registry
	base and identify		communities	
	what works	Rigorously evaluate health		Evaluation:
Н		professions education policies,		HRSA Health Workforce Research Centers on equity in
RC		practices and programs to		HPE
EA		determine if they are meeting		
RESEAR		stated social mission		Sharing resources:
R		objectives		Mapping Inequality redlining data
		Make proprietary research		
		tools and instruments		
		available and accessible for		
		purposes of conducting social		
		mission research		

APPENDIX D: INSTITUTIONAL SOCIAL MISSION ACTIVITIES

School Activity	Scope	Social Mission Strategies	Real World Examples
Domain			
Diversity	The composition of a health professions school's students, staff,	Recruitment and admissions processes and policies that consider and promote a student body that is diverse in multiple dimensions (including but not limited to: race, ethnicity, sexual/gender identity, economically, physical ability)	An outcomes study demonstrating the value of holistic review on the diversity of medical school interview pools <u>A commitment from New York University</u> <u>Grossman School of Medicine to addressing</u> financial barriers to medical school by
	faculty, leadership, and governance	Participation and sponsorship of pipeline and enrichment programs	making it tuition-free
		Financial support for URM and financially vulnerable students	<u>A partnership between UC Davis and</u> <u>community colleges to boost the number of</u> <u>primary care physicians in underserved</u>
		Recruitment, hiring, and promotion practices, especially for faculty and top leadership positions, that emphasize and value diversity	parts of Northern California
Curriculum and educational programming	Formal curriculum, extracurricular activities, and clinical training	Institute an equity-oriented curriculum that emphasizes health disparities, the social determinants of health, structural competence, patient-centered and value-based principles, and interprofessional collaboration and is tied to the needs of the community that the school serves	The Green Family Foundation Neighborhood Health Education Learning Program (NeighborhoodHELP) addresses the critical needs for primary and preventive care in the community through a required, interprofessional home visiting
	opportunities	Require community-engaged, experiential educational and clinical opportunities	<u>program for health professions students</u> <u>A medical student-led antiracist curricular</u> <u>effort using abolition as the guiding</u>
		Eliminating teaching materials and methods that perpetuate systems of oppression and the pathologization of race; Provide context in discussions of unequal disease burden by R/E; Integrate case examples representative of diverse patient demographics and experiences	<u>framework</u>

APPENDIX D: INSTITUTIONAL SOCIAL MISSION ACTIVITIES

Governance	Leadership and written policies that articulate	Explicit commitment to and institutionalization of community, diversity, equity, and inclusion in school mission, guiding documents, and policies	An outcomes study finding a positive association between inclusion of social mission principles in medical schools'
	and influence academic institutions' ide	 Enforcing and holding all students, faculty, and organizational leaders responsible for adherence 	mission statements and output of graduates entering primary care
	ntity		A charter that emphasizes inclusion and
	and manageme	Diverse racial, ethnic, demographic, and	community commitment at Arizona State
	nt.	experiential representation in decision making	University
			Valuing community oversight with a
			community advisory board at Geisinger
			Commonwealth School of Medicine
Institutional	The	Create and support resources, policies, and safe	An observational study finding that a
climate and culture	perceptions,	spaces that reflect a commitment to inclusion and	positive primary care culture in medical
	attitudes, and	non-discrimination	school is supportive of primary care practice
	expectations		<u>choice</u>
	that define	Celebrate diversity	
	the institution,		A publicly available self-assessment of
	particularly as	Institute and provide financial support for programs	school culture and plan for transformation
	seen from the	that promote academic achievement, mentorship,	at the University of Miami Miller School of
	perspectives of individuals of	sponsorship, socialization, and fellowship	<u>Medicine</u>
	different racial	Normalize equity-oriented trainings, professional	A Center for Native American Health at
	or	development, and associated expectations for all	Washington State University that provides
	ethnic backgro	students, staff, faculty, and leadership	holistic support for Native American and
	unds.		Alaskan students and celebrates their
		Recognize, acknowledge, and celebrate the	heritage
		contributions of URM faculty and staff; rescind or	
		transform institutional policies that historically	
		prevented career advancement opportunities for	
		them	

APPENDIX D: INSTITUTIONAL SOCIAL MISSION ACTIVITIES

Community	Bidirectional	Conduct community needs assessment and build	A unique initiative to involve community
engagement	approach to	results into strategic plan, educational	members in the selection of incoming
	building	programming, and clinical services.	medical students
	mutual trust,		
	respect,	Partner with community and local organizations	A partnership initiative between
	benefit,	that address health disparities, social determinants	communities and academic institutions to
	and cultural hu	of health, or build community capacity	advance health equity and social justice
	mility across a		
	variety of	Encourage informal linkages between students and	
	activities	community members	
		Normalize the inclusion of community	
		representatives in decision making	
		Adopt community clinical training sites and	
		preceptors	
Research	The totality of	Value and reward equity-focused research at the	A longitudinal experience for medical
	a school's	same level as clinical and biomedical research,	students at the University of Texas
	funded and	including in advancement, promotion, and tenure	Southwestern emphasizing CBPR and
	unfunded	criteria	culminating in a "Certificate of Knowledge
	programs of		in Community Medicine"
	systematic	Solicit and partner equally with community	
	investigation re	representatives and organizations to conduct	Texas Center for Equity Promotion's
	lated to health,	research	considerations and recommendations for
	healthcare, or		equity-centered research
	issues	Teach students research skills that espouse	
	impacting	principles of community-based participatory	
	health	research (CBPR) and community engagement	
Activism	School support	Financial support and promotion of school-based	George Washington University's
	and student	advocacy organizations and opportunities	commitment to building health advocacy
	and faculty		leaders through its <u>Clinical Public Health</u>
	involvement in	Advocacy training for students, faculty, and staff	Curriculum and Residency Fellowship in
	organizations		Health Policy

	and programs	Public demonstration of support for and		
	that focus on	commitment to diversity, equity, and inclusion	Weil Cornell Medicine's funding of the	
	advocacy,		Advocacy in Medicine annual conference	
	health	Serving as an ally in community advocacy efforts		
	disparities, and			
	social	Protecting school community's right to advocate		
	determinants	without fear of retribution		
	of health.			
Across all activity of	lomains: Seek out, i	identify, and dismantle manifestations of power, priv	vilege, and structural racism in health	
professions school	s' programming, po	licies, and practices		
An action plan for a	anti-racism in medic	al education from Columbia University		
The removal of rac	ist monuments <u>asso</u>	ciated with health sciences and located on health sciences	ences campuses	
Georgetown University's ongoing process of understanding and responding to its ties to slavery				

Performing equity audits, such as the Equity and Diversity Audit Tool for Canadian Medical Schools

A multi-year, multi-faceted initiative to make UCSF "the most diverse, equitable and inclusive academic medical system in the country"