

THE PROMISE OF ADOLESCENCE: REALIZING OPPORTUNITY FOR ALL YOUTH

A consensus study The National report from Academies of MEDICINE

The Health System

nationalacademies.org/AdolescentDevelopment

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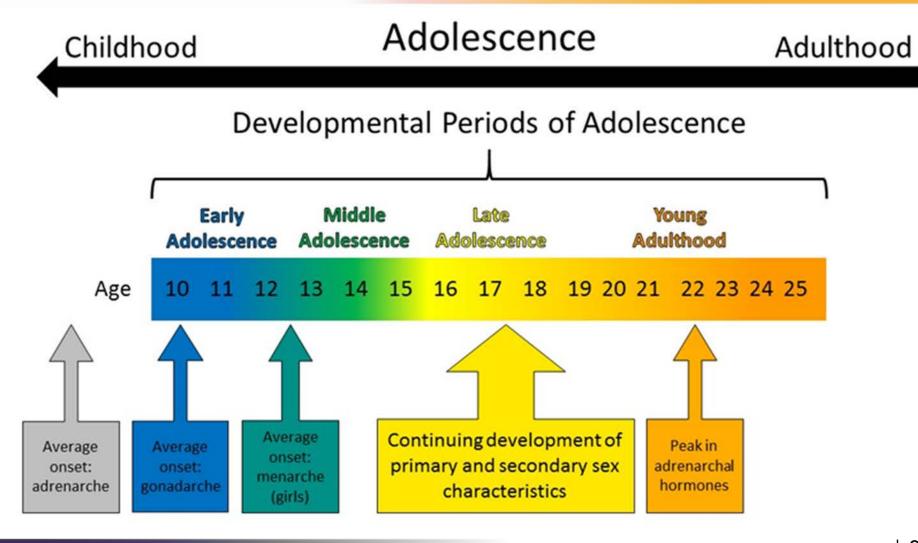
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Statement of Task

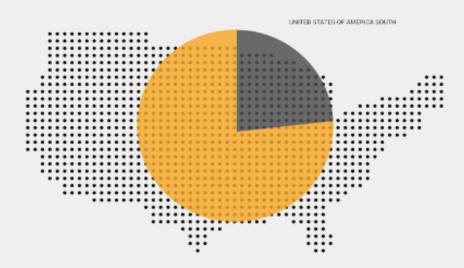
The study sponsors asked the National Academies of Sciences, Engineering, and Medicine to provide an evidence-based report that:

- Examines the neurobiological and socio-behavioral science of adolescent development, and
- Explores how this knowledge can be applied to institutions and systems so that adolescent well-being, resilience, and development are promoted and that systems address structural barriers and inequalities in opportunity and access.



2017

There were approximately 73.5 million adolescents ages 10 to 25 in 2017, representing 22.6 percent of the U.S. population.



2020

The adolescent population is expected to become majority-minority by 2020.



Relative to young children, adolescents have advanced decision-making skills and can better seek solutions that are right for them.

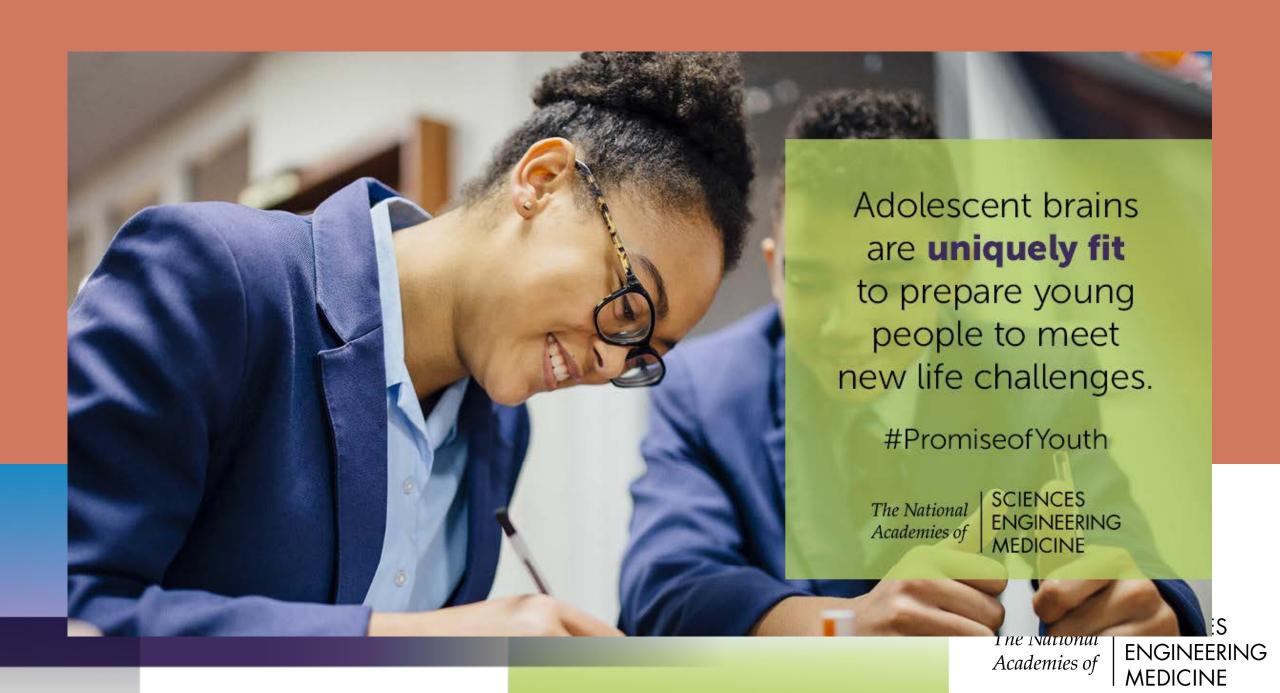
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Adolescent Development: Socio-Behavioral Context

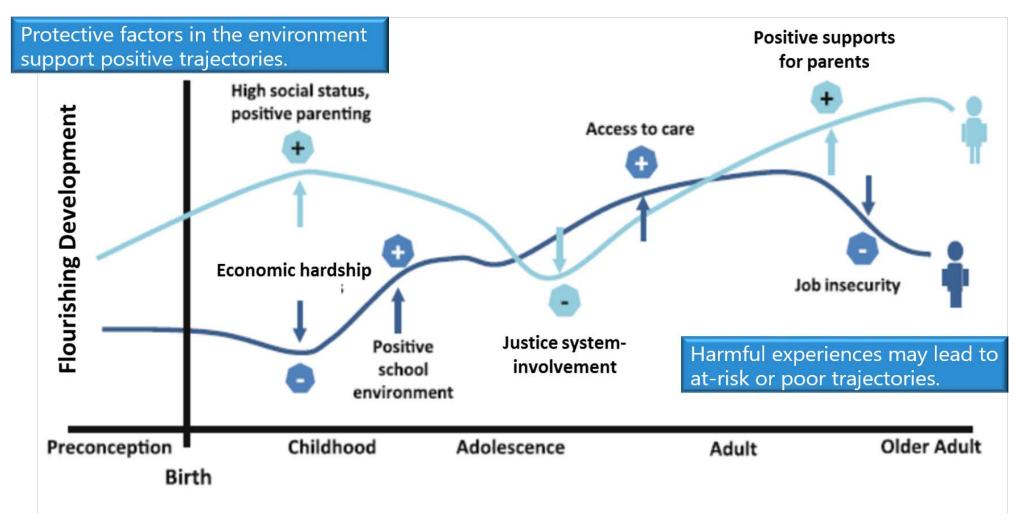
- Identity development
- Developing new social relationships with peers and adults outside the family
- Attunement to one's social status
- Growing capacity for self-direction



Adolescent Development: Neurobiological Context

- Adolescent brain development and brain connectivity
- Heightened curiosity and reward sensitivity
- Increased cognitive abilities, logical thinking, problem-solving
- The interface of neurobiological development and the social context are critical

Epigenetics: Environmental Influences that Shape Adolescent Development

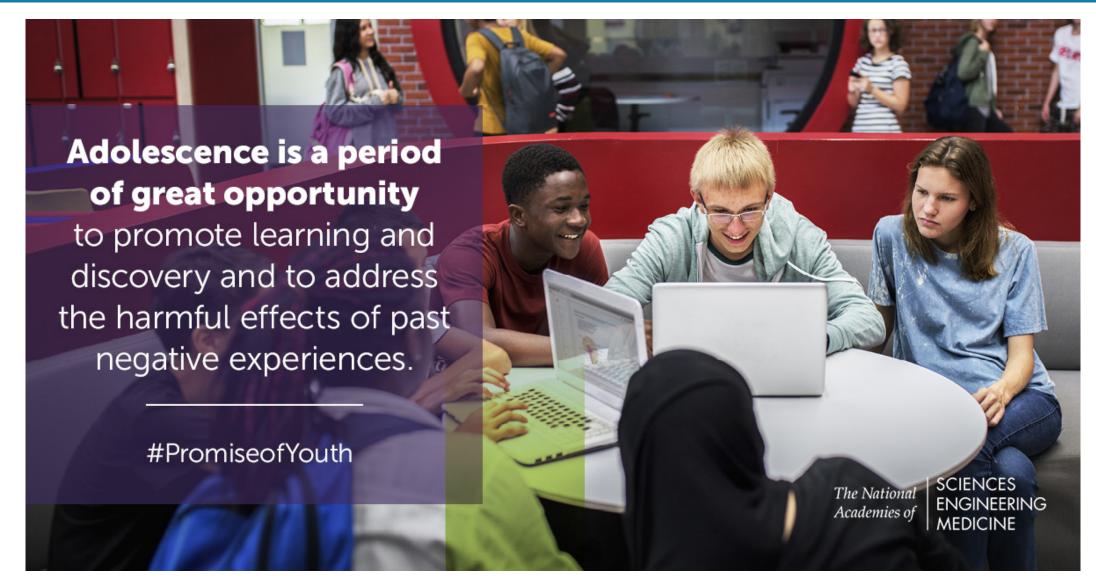


Inequity and Adolescence

- How do we ensure that all adolescents have opportunities to flourish and succeed?
- Inequalities in opportunity and access severely curtail the promise of adolescence for many youth
- Potent structural inequities and societal determinants shape adolescents' life-course trajectories in multiple ways.

Inequity and Adolescence

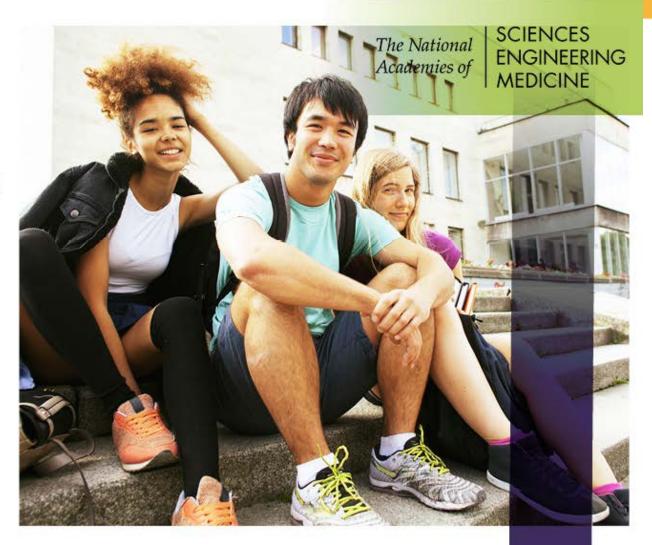
- Striking differences in opportunity are associated with differences in outcomes—in health, safety, well-being, and educational and occupational attainment—and in trajectories over the life course. For example:
 - LGBTQ youth have much higher rates of alcohol, marijuana, and tobacco use than the general population of adolescents and higher rates of HIV infection.
 - Black youth ages 10 to 24 have mortality rates roughly 50 percent higher than White and Latinx youth, driven mainly by differences in rates of death by homicide.
 - Rural youth and youth experiencing homelessness have less access to care
 - Youth who have experienced discrimination demonstrate greater depressive and anxiety symptoms



It's time to reimagine and redesign the systems and settings that adolescents most frequently encounter.

Together, we can ensure that millions of young people can impact society for the better.

#PromiseofYouth



- Access to appropriate health care services is important to ensure adolescents' well-being today and for a lifetime
- Adolescents face **unique challenges** in the health care system:
 - Less experienced in navigating the system
 - More concerned about their confidentiality, with fewer legal protections
 - More likely than adults to engage in risk-taking behaviors that could have both short- and long-term effects on their health.

- But, there are **unique opportunities** associated with this stage of life:
 - Stronger abstract reasoning and executive function skills
 - Heightened neurobiological flexibility and resilience
- These distinct characteristics require health care delivery approaches tailored to adolescents' developmental needs.

- Adolescence is a prime opportunity for the health care system to support optimal growth and development.
- The health care system should support adolescents through:
 - Developmentally appropriate changes to provider practices
 - Innovative care delivery systems
 - Integrated, comprehensive health services
 - Prepare youth for the changes they face
 - Support their growing autonomy
 - Culturally-informed services



- Developmentally appropriate changes to provider practices
 - Provide time alone with the provider during office visits
 - Counsel adolescent patients on confidentiality
- Innovative care delivery systems
 - School-based behavioral health
 - eHealth
- Integrated, comprehensive health services
 - Mount Sinai Adolescent Health Center

Recommendation 7-1: Strengthen the financing of health care services for adolescents, including insurance coverage for uninsured or under-insured populations.

Recommendation 7-1A: Federal and state policymakers should make changes within Medicaid to:

- increase access for adolescents, including expanding Medicaid in states that have not yet done so,
- increase Medicaid reimbursement rates for pediatric health services to be on par with those for Medicare,
- allow equitable reimbursement for comprehensive health services, and
- eliminate the five-year-eligibility restriction on the use of Medicaid for documented immigrant adolescents.



Recommendation 7-2: Improve access to comprehensive, integrated, coordinated health services for adolescents.

Recommendation 7-2D: Health care providers and health organizations should implement:

- policies and practices that support adolescents' emerging sense of agency and independence, such as ensuring that all adolescents receive confidential health care for sensitive services as appropriate, and
- empowering youth to meaningfully participate in their health care.

Recommendation 7-3: Increase access to behavioral health care and treatment services.

Recommendation 7-3A: Federal agencies and behavioral health education institutions should work together to:

- grow the behavioral health workforce available to adolescents, particularly those in underserved areas by expanding HRSA's Behavioral Health Workforce Education and Training program, and
- expanding the National Health Service Corps' scholarship program to include mental and behavioral health providers.

Recommendation 7-4: Improve the training and distribution and increase the number of adolescent health care providers.

Recommendation 7-4A: Regulatory bodies for health professions in which an appreciable number of providers offer care to adolescents should include:

- a minimum set of competencies in adolescent health care and development into their licensing, certification, and accreditation requirements, and
- all pediatricians and primary care providers should have a minimum level of competency in adolescent medicine.

Recommendation 7-5: Improve federal and state data collection on adolescent health and well-being, and conduct adolescent-specific health services research and disseminate the findings.

Recommendation 7-5C: Federal health agencies and private foundations should prepare a research agenda for improving adolescent health services that includes:

- assessing existing service models,
- developing new models for providing adolescent-friendly health services,
- piloting projects to develop and test innovative approaches for incorporating neurodevelopmental and socio-behavioral sciences in the delivery of health care to adolescents, and
- evaluating the effectiveness of collaborations.



Conclusion

- Society has a collective responsibility to build systems that support and promote positive adolescent development.
- Systems (health, education, justice, and child welfare) should reflect a rich understanding of the developmental needs of adolescents and recognition of adolescence as a time of great opportunity to promote learning and discovery and to remediate past developmental challenges.

Conclusion

- Until society embraces this responsibility, the promise of adolescence will remain unfulfilled for millions of youth.
- To fail to build systems that support all youth is to waste human capital, reducing economic growth and exacerbating rising income inequality.
- Creating positive impact through opportunities not only improves adolescents' trajectories, but also can provide high-impact, cost effective interventions to counteract the effects of childhood stresses and deprivations and prevent negative outcomes in adulthood.





RESEARCH HAS FUNDAMENTALLY CHANGED OUR UNDERSTANDING OF HOW YOUNG PEOPLE DEVELOP, GROW, AND LEARN.

Society must embrace this new knowledge in order to reimagine systems so that all young people can thrive.



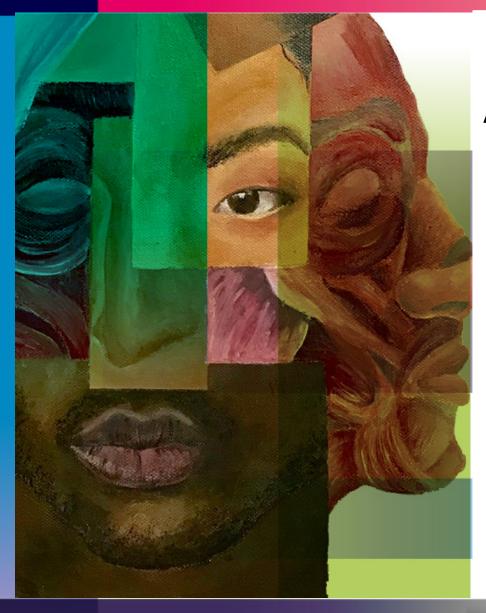
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ENGINEERING MEDICINE

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Additional Webinars

Justice System

Child Welfare System

Education System (forthcoming)