Guidelines for Ethical Conduct for the PA Profession

(Adopted 2000, reaffirmed 2013, amended 2004, 2006, 2007, 2008, 2018)

Executive Summary of Policy Contained in this Paper

Summaries will lack rationale and background information and may lose nuance of policy. You are highly encouraged to read the entire paper.

- Individual PAs must use their best judgment in a given situation while considering the preferences of the patient, the healthcare team, clinical information, ethical principles, and legal obligations.
- The four main bioethical principles which broadly guided the development of these guidelines are patient autonomy, beneficence, nonmaleficence, and justice.
- The statement of values within this document defines the fundamental values the PA profession strives to uphold. The primary value is the PA's responsibility to the health, safety, welfare, and dignity of all human beings.

Introduction

The PA profession has revised its code of ethics several times since the profession began. Although the fundamental principles underlying the ethical care of patients have not changed, the societal framework in which those principles are applied is constantly changing. Economic pressures, social pressures of church and state on the healthcare system, technological advances, and changing patient demographics continually transform the landscape in which PAs practice. This policy, as written, reflects a point in time and should be reviewed though that lens. It is a living document to be continually reviewed and updated to reflect the changing times, be they related to societal evolutions or the advancement of medical science.

Previous codes of the profession were brief lists of tenets for PAs to live by in their professional lives. This document departs from that format by going a step further and describing how these tenets apply to PA practice. Each situation is unique. Individual PAs must use their best judgment in a given situation while considering the preferences of the patient and the healthcare team, clinical information, ethical principles, and legal obligations. Context and/or casuistry (extracting reasoning from case study), often play key roles in decision making.

Four main bioethical principles broadly guided the development of these guidelines: patient autonomy, beneficence, nonmaleficence, and justice.

Autonomy, strictly speaking, means self-rule. Patients have the right to make autonomous decisions and choices, and PAs should respect these decisions and choices.

Beneficence means that PAs should act in the patient's best interest. In certain cases, respecting the patient's autonomy and acting in their best interests may be difficult to balance.

Nonmaleficence means to do no harm, to impose no unnecessary or unacceptable burden upon the patient.

Justice means that patients in similar circumstances should receive similar care. Justice also applies to norms for the fair distribution of resources, risks, and costs.

PAs are expected to behave both legally and morally. They should know and understand the local, state and federal laws governing their practice. Likewise, they should understand the ethical responsibilities of being a healthcare professional. Legal requirements and ethical expectations will not always be in agreement. Generally speaking, the law describes minimum standards of acceptable behavior, and ethical principles delineate the highest moral standards of behavior.

When faced with an ethical dilemma, PAs may find the guidance they need in this document. If not, they may wish to seek guidance elsewhere – possibly from a hospital ethics committee, an ethicist, trusted colleagues, or other AAPA policies. PAs should seek legal counsel when they are concerned about the potential legal consequences of their decisions.

The following sections discuss ethical conduct of PAs in their professional interactions with patients, physicians, colleagues, other health professionals, and the public. The "Statement of Values" within this document defines the fundamental values that the PA profession strives to uphold. These values provide the foundation upon which the guidelines rest. The guidelines were written with the understanding that no document can encompass all actual and potential ethical responsibilities, and PAs should not regard them as comprehensive.

Statement of Values of the PA Profession

- PAs hold as their primary responsibility the health, safety, welfare, and dignity of all human beings.
- PAs uphold the tenets of patient autonomy, beneficence, nonmaleficence, and justice.
- PAs recognize and promote the value of diversity.
- PAs do not discriminate; PAs treat equally all persons who seek their care.
- PAs hold in confidence the patient-specific information shared in the course of practicing medicine.
- PAs actively seek to expand their knowledge and skills, keeping abreast of advances in medicine. PAs assess their personal capabilities and limitations, striving always to improve their practice of medicine.
- PAs work with other members of the healthcare team to provide compassionate and effective care of patients.
- PAs use their knowledge and experience to contribute to a healthy community and the improvement

of public health.

- PAs respect their professional relationship with all members of the healthcare team.
- PAs share and expand clinical and professional knowledge with PAs and PA students.

The PA and Patient

PA Role and Responsibilities

The principal value of the PA profession is to respect the health, safety, welfare, and dignity of all human beings. This concept is the foundation of the patient–PA relationship. PAs have an ethical obligation to see that each of their patients receives appropriate care. PAs should be sensitive to the beliefs and expectations of the patient. PAs should recognize that each patient is unique and has an ethical right to self-determination

PAs are professionally and ethically committed to providing nondiscriminatory care to all patients. While PAs are not expected to ignore their own personal values, scientific or ethical standards, or the law, they should not allow their personal beliefs to restrict patient access to care. A PA has an ethical duty to offer each patient the full range of information on relevant options for their healthcare. If personal moral, religious, or ethical beliefs prevent a PA from offering the full range of treatments available or care the patient desires, the PA has an ethical duty to refer a patient to another qualified provider. That referral should not restrict a patient's access to care. PAs are obligated to care for patients in emergency situations and to responsibly transfer patients if they cannot care for them.

PAs should always act in the best interests of their patients and as advocates when necessary. While respecting the law, PAs should actively resist policies that restrict free exchange of medical information whether the restrictions are coming from their institution, regulators or legislators. For example, PAs should inform patients of financial incentives to limit care, use resources in a fair and efficient way, and avoid arrangements or financial incentives that conflict with the patient's best interests. **The PA and Diversity**

The PA should respect the culture, values, beliefs, and expectations of the patient.

Nondiscrimination of Patients and Families

PAs should not discriminate against classes or categories of patients in the delivery of needed healthcare. Such classes and categories include gender, color, creed, race, religion, age, ethnic or national origin, political beliefs, nature of illness, disability, socioeconomic status, physical stature, body size, gender identity, marital status, or sexual orientation.

See also section on Nondiscrimination in the Workplace and Classroom.

Initiation and Discontinuation of Care

In the absence of a preexisting patient–PA relationship, the PA is under no ethical obligation to care for a person unless no other provider is available. A PA is morally bound to provide care in emergency situations and, when necessary, to arrange proper follow-up. PAs should keep in mind that contracts with health insurance plans might define a legal obligation to provide care to certain patients.

Care can be discontinued for many reasons, some positive (such as retirement or a new position) and some negative (such as threatening behavior by the patient or demonstrating non-compliance with recommended medical care).

A professional relationship with an established patient may be discontinued as long as proper procedures are followed. The patient should be provided with adequate notice, offer to transfer records, and arrange for continuity of care if the patient has an ongoing medical condition. In the event that discontinuation is the result of a problematic relationship, discontinuation should be undertaken only after a serious attempt has been made to clarify and understand the expectations and concerns of all involved parties.

If the patient decides to terminate the relationship, they are entitled to access appropriate information contained within their medical record.

Many regulatory boards have rules or position statements addressing termination of care. PAs should understand any regulatory requirements before taking action.

Informed Consent

PAs have a duty to protect and foster an individual patient's free and informed choices. The doctrine of *informed* consent means that a PA provides adequate information that is comprehendible to a patient or patient surrogate who has medical decision-making capacity. At a minimum, this should include the nature of the medical condition, the objectives of the proposed treatment, treatment options, possible outcomes, and the risks involved. PAs are expected to be committed to the concept of shared decision making, which involves assisting patients in making decisions that account for medical, situational and personal factors.

See also, AAPA policy paper, Use of Medical Interpreters for Patients with Limited English Proficiency.

In caring for adolescents, the PA must understand all of the laws and regulations in the PA's jurisdiction that are related to the ability of minors to consent to or refuse healthcare. Adolescents should be encouraged to involve their families in healthcare decision making. The PA is expected to understand consent laws pertaining to emancipated or mature minors.

See also, the section on Confidentiality and AAPA's policy paper, Attempts to Change a Minor's Sexual Orientation, Gender Identity, or Gender Expression.

When the person giving consent is a patient's surrogate, a family member, or other legally authorized representative, the PA should take reasonable care to assure that the decisions made are consistent with the patient's best interests and personal preferences, if known. If the PA believes the surrogate's choices do not reflect the patient's wishes or best interests, the PA should work to resolve the conflict. This may require the use of additional resources, such as an ethics committee.

Confidentiality

PAs should maintain confidentiality. By maintaining confidentiality, PAs respect patient privacy and help to prevent discrimination based on medical conditions. If patients are confident that their privacy is protected, they are more likely to seek medical care and more likely to discuss their problems candidly.

In cases of adolescent patients, family support is important but should be balanced with the patient's need for confidentiality and the PA's obligation to respect their emerging autonomy. Adolescents may not be of age to make independent decisions about their health, but providers should respect that they soon will be. To the extent they can, PAs should allow these emerging adults to participate as fully as possible in decisions about their care. It is important that PAs be familiar with and understand institutional policies and local, state and federal laws and regulations in their jurisdictions that relate to the confidentiality rights of adolescent patients.

See also, the section on Informed Consent.

Any communication about a patient conducted in a manner that violates confidentiality is unethical. Because written, electronic, and verbal information may be intercepted or overheard, the PA should always be aware of anyone who might be monitoring communication about a patient.

PAs should use and advocate for methods of storage and transmission of patient information that minimize the likelihood of data becoming available to unauthorized persons or organizations. Computerized record keeping and electronic data transmission present unique challenges that can make the maintenance of patient confidentiality difficult. PAs should advocate for policies and procedures that secure the confidentiality of patient information.

The Patient and the Medical Record

PAs have an obligation to keep information in the patient's medical record confidential. Information should be released only with the written permission of the patient or the patient's legally authorized representative. Specific exceptions to this general rule may exist (e.g., workers compensation, communicable disease, HIV, knife/gunshot wounds, abuse, substance abuse). It is important that a PA be familiar with and understand the institutional policies and local, state and federal laws and regulations that relate to the release of information. For example, stringent legal restrictions on release of genetic test results and mental health records often exist. Both ethically and legally, a patient has certain rights to know the information contained in the patient's medical record. While the chart is legally the property of the practice or the institution, the information in the chart is the property of the patient. Most states have laws that provide patients access to their medical records. The PA should know the laws and facilitate patient access to the information.

Disclosure of Medical Errors

A patient deserves complete and honest explanations of medical errors and adverse outcomes. The PA should disclose the error to the patient if such information is significant to the patient's interests and well-being. Errors do not always constitute improper, negligent, or unethical behavior, but failure to disclose them may.

See AAPA policy paper, Acknowledging and Apologizing for Adverse Outcomes.

Care of Family Members and Co-workers

Treating oneself, co-workers, close friends, family members, or students whom the PA supervises or teaches is contextual (2)(3) and casuistic (extracting reason from case study). For example, it might be ethically acceptable to treat one's own child for a case of otitis media, but it probably is not acceptable to treat one's spouse for depression. PAs should be aware that their judgment might be less than objective in cases involving friends, family members, students, and colleagues and that providing "curbside" care might sway the individual from establishing an ongoing relationship with a provider. If it becomes necessary to treat a family member or close associate, a formal patient-provider relationship should be established, and the PA should consider transferring the patient's care to another provider as soon as it is practical. If a close associate requests care, the PA may wish to assist by helping them find an appropriate provider.

There may be exceptions to this guideline, for example, when a PA runs an employee health center or works in occupational medicine. Even in those situations, the PA should be sure they do not provide informal treatment, but provide appropriate medical care in a formally established patientprovider relationship.

Genetic Testing

Evaluating the risk of disease and performing diagnostic genetic tests raise significant ethical concerns. PAs should be informed about the benefits and risks of genetic tests. Testing should be undertaken only after proper informed consent is obtained. If PAs order or conduct the tests or have access to the results as a consequence of patient care, they should assure that appropriate pre- and posttest counseling is provided.

PAs should be sure that patients understand the potential consequences of undergoing genetic tests – from impact on patients themselves, possible implications for other family members, and potential use of the information by insurance companies or others who might have access to the information.

Because of the potential for discrimination by insurers, employers, or others, PAs should be particularly aware of the need for confidentiality concerning genetic test results.

Reproductive Decision Making

Patients have a right to access the full range of reproductive healthcare services, including fertility treatments, contraception, sterilization, and abortion. PAs have an ethical obligation to provide balanced and unbiased clinical information about reproductive healthcare.

When the PA's personal values conflict with providing full disclosure or providing certain services such as sterilization or abortion, the PA need not become involved in that aspect of the patient's care. By referring the patient to a qualified provider who is willing to discuss and facilitate all treatment options, the PA fulfills their ethical obligation to ensure the patient's access to all legal options.

End of Life

Among the ethical principles that are fundamental to providing compassionate care at the end of life, the most essential is recognizing that dying is a personal experience and part of the life cycle.

PAs should provide patients with the opportunity to plan for end of life care. Advance directives, living wills, durable power of attorney, and organ donation should be discussed during routine patient visits.

PAs should assure terminally-ill patients that their dignity is a priority and that relief of physical and mental suffering is paramount. PAs should exhibit non-judgmental attitudes and should assure their terminally-ill patients that they will not be abandoned. To the extent possible, patient or surrogate preferences should be honored, using the most appropriate measures consistent with their choices, including alternative and non-traditional treatments. PAs should explain palliative and hospice care and facilitate patient access to those services. End of life care should include assessment and management of psychological, social, and spiritual or religious needs.

While respecting patients' and their family's wishes for particular treatments when possible, PAs also must weigh their ethical responsibility to withhold futile treatments and to help patients understand such medical decisions. The same is true for evaluating a request to provide assistance in dying.

A PA should not make these decisions in a vacuum. Prior to taking action, the PA should review institutional policy and legal standards. A PA should also consider seeking guidance from the hospital ethics committee, an ethicist, trusted colleagues, a supervisor, or other AAPA policies.

See also, AAPA policy paper, End-of-Life Decision Making.

The PA and Individual Professionalism

Conflict of Interest

PAs should place service to patients before personal material gain and should avoid undue influence on their clinical judgment. Trust can be undermined by even the appearance of improper

influence. Examples of excessive or undue influence on clinical judgment can take several forms. These may include financial incentives, pharmaceutical or other industry gifts, and business arrangements involving referrals. PAs should disclose any actual or potential conflict of interest to their patients.

Acceptance of gifts, trips, hospitality, or other items is discouraged. Before accepting a gift or financial arrangement, PAs should consider the guidelines of the American College of Physicians, "What would the public or my patients think of this arrangement?" (4)

Professional Identity

PAs should not misrepresent directly or indirectly, their skills, training, professional credentials, or identity. PAs should uphold the dignity of the PA profession and accept its ethical values.

Competency

PAs should commit themselves to providing competent medical care and extend to each patient the full measure of their professional ability as dedicated, empathetic healthcare providers. Providing competent care includes seeking consultation with other providers and referring patients when a patient's condition exceeds the PA's education and experience, or when it is in the best interest of the patient. PAs should also strive to maintain and increase the quality of their healthcare knowledge, cultural sensitivity, and cultural competence through individual study, self-assessment and continuing education.

Sexual Relationships

It is unethical for PAs to become sexually involved with patients. It also may be unethical for PAs to become sexually involved with former patients or key third parties. The legal definition may vary by jurisdiction, but key third parties are generally individuals who have influence over the patient such as spouses or partners, parents, guardians, or surrogates. PAs should be aware of and understand institutional policies and local, state and federal laws and regulations regarding sexual relationships.

Sexual relationships generally are unethical because of the PA's position of authority and the inherent imbalance of knowledge, expertise, and status. Issues such as dependence, trust, transference, and inequalities of power may lead to increased vulnerability on the part of the current or former patients or key third parties.

However, there are some contexts where a strict moratorium, particularly when extended to third parties, may not be feasible (3). In these cases, the PA should seek additional resources or guidance from a supervisor, a hospital ethics committee, an ethicist or trusted colleagues. PAs should seek legal counsel when they are concerned about the potential legal consequences of their decisions.

Nondiscrimination in the Workplace and Classroom

It is unethical for PAs to engage in or condone any form of discrimination. Discrimination is defined as any behavior, action, or policy that adversely affects an individual or group of individuals due to disparate treatment, disparate impact, or the creation of a hostile, inequitable or intimidating work or

learning environment. This includes, but is not limited to, discrimination based on sex, color, creed, race, religion, age, ethnic or national origin, political beliefs, nature of illness, disability, socioeconomic status, physical stature, body size, gender identity, marital status, or sexual orientation.

See also, the sections on Nondiscrimination of Patients and Families, and Sexual Harassment

Sexual Harassment

It is unethical for PAs to engage in or condone any form of sexual harassment. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature when:

- Such conduct has the purpose or effect of interfering with an individual's work or academic performance or creating an intimidating, hostile or offensive work or academic environment, or
- Accepting or rejecting such conduct affects or may be perceived to affect professional decisions concerning an individual, or
- Submission to such conduct is made either explicitly or implicitly a term or condition of an individual's training or professional position.

See also, the section on Nondiscrimination in the Workplace and Classroom.

The PA and Other Professionals

Team Practice

PAs should be committed to working collegially with other members of the healthcare team to assure integrated, well-managed, and effective care of patients. PAs should strive to maintain a spirit of cooperation with other healthcare professionals, their organizations, and the general public. The PA should consult with all appropriate team members whenever it will safeguard or advance the welfare of the patient. This includes seeking assistance in situations of conflict with a patient or another healthcare professional.

Resolution of Conflict Between Providers

While a PA's first responsibility is the best interest of the patient, it is inevitable that providers will sometimes disagree when working as members of a healthcare team. When conflicts arise between providers in regard to patient care, it is important that patient autonomy and the patient's trusted relationship with each member of the healthcare team are preserved. If providers disagree on the course of action, it is their responsibility to discuss the options openly and honestly with each other, and collaboratively with the patient.

It is unethical for a PA to circumvent the other members of the healthcare team or attempt to disparage or discredit other members of the team with the patient. In the event a PA has legitimate

concerns about a provider's competency or intent, those concerns should be reported to the proper authorities.

PAs should be aware of and take advantage of available employer resources to mitigate and resolve conflicts between providers.

Illegal and Unethical Conduct

PAs should not participate in or conceal any activity that will bring discredit or dishonor to the PA profession. They should report illegal or unethical conduct by healthcare professionals to the appropriate authorities.

Impairment

PAs have an ethical responsibility to protect patients and the public by recognizing their own impairment and identifying and assisting impaired colleagues. "Impaired" means being unable to practice medicine with reasonable skill and safety because of physical or mental illness, loss of motor skills, or excessive use or abuse of drugs and alcohol.

PAs should be able to recognize impairment in any member of the healthcare team and should seek assistance from appropriate resources to encourage these individuals to obtain treatment.

See also, AAPA policy paper, PA Impairment.

Complementary, Alternative and Integrative Health

When a patient asks about complementary, alternative and/or integrative health approaches, the PA has an ethical obligation to gain a basic understanding of the therapy(ies) being considered or used and how the treatment will affect the patient. PAs should do appropriate research, including seeking advice from colleagues who have experience with the treatment or experts in the therapeutic field. If the PA believes the complementary, alternative or integrative health is not in the best interest of the patient, the PA should work diligently to dissuade the patient from using it, advise other treatment, and perhaps consider transferring the patient to another provider.

The PA and the Healthcare System

Workplace Actions

PAs may face difficult personal decisions to withhold medical services when workplace actions (e.g., strikes, sick-outs, slowdowns, etc.) occur. The potential harm to patients should be carefully weighed against the potential improvements to working conditions and, ultimately, patient care that could result. In general, PAs should individually and collectively work to find alternatives to such actions in addressing workplace concerns.

PAs as Educators

All PAs have a responsibility to share knowledge and information with patients, other health professionals, students, and the public. The ethical duty to teach includes effective communication with patients so that they will have the information necessary to participate in their healthcare and wellness.

See also, AAPA policy paper, PA Student Supervised Clinical Practice Experiences -Recommendations to Address Barriers.

PAs and Research

The most important ethical principle in research is honesty. This includes assuring subjects' informed consent, following treatment protocols, and accurately reporting findings. Fraud and dishonesty in research must be reported to maintain the integrity of the available data in research.

PAs are encouraged to work within the oversight of institutional review boards and institutional animal care and use committees as a means to ensure that ethical standards are maintained.

PAs involved in research must be aware of potential conflicts of interest. Any conflict of interest must be disclosed. The patient's welfare takes precedence over the proposed research project.

PAs are encouraged to undergo research ethics education that includes periodic refresher courses to be maintained throughout the course of their research activity. PAs must be educated on the protection of vulnerable research populations.

Sources of funding for the research must be included in the published reports.

The security of personal health data must be maintained to protect patient privacy.

Plagiarism is unethical. Incorporating the words of others, either verbatim or by paraphrasing, without appropriate attribution is unethical and may have legal consequences. When submitting a document for publication, any previous publication of any portion of the document must be fully disclosed.

PAs as Expert Witnesses

The PA expert witness should testify to what they believe to be the truth. The PA's review of medical facts should be thorough, fair, and impartial.

The PA expert witness should be fairly compensated for time spent preparing, appearing, and testifying. The PA should not accept a contingency fee based on the outcome of a case in which testimony is given or derive personal, financial, or professional favor in addition to compensation.

See also, AAPA policy paper, Guidelines for the PA Serving as an Expert Witness.

The PA and Society

Lawfulness

PAs have the dual duty to respect the law and to work for positive change to laws that will enhance the health and well-being of the community.

Executions

PAs, as healthcare professionals, should not participate in executions because to do so would violate the ethical principle of beneficence.

See also, AAPA policy HX-4100.1.9.

Access to Care / Resource Allocation

PAs have a responsibility to use healthcare resources in an appropriate and efficient manner so that all patients have access to needed healthcare. Resource allocation should be based on societal needs and policies, not the circumstances of an individual patient–PA encounter. (1) PAs participating in policy decisions about resource allocation should consider medical need, cost-effectiveness, efficacy, and equitable distribution of benefits and burdens in society.

Community Well Being

PAs should work for the health, well-being, and the best interest of both the patient and the community. Sometimes there is a dynamic moral tension between the well-being of the community in general and the individual patient. Conflict between an individual patient's best interest and the common good is not always easily resolved. When confronted with this situation, a PA may seek guidance from a supervisor, a hospital ethics committee, an ethicist, trusted colleagues, or other AAPA policies.

In general, PAs should be committed to upholding and enhancing community values, be aware of the needs of the community, and use the knowledge and experience acquired as professionals to contribute to an improved community.

Conclusion

AAPA recognizes its responsibility to aid the PA profession as it strives to provide high quality, accessible healthcare. PAs wrote these guidelines for themselves and other PAs. The ultimate goal is to honor patients and earn their trust while providing the best and most appropriate care possible. At the same time, PAs must understand their personal values and beliefs and recognize the ways in which those values and beliefs can impact the care they provide.

References

- Bauchamps T, Childress J. Principles of Biomedical Ethics, Edition 6, Oxford University Press, 2008
- Jonsen A, Siegler M. Clinical Ethics: A Practical Approach to Ethical Decisions in Clinical Medicine, 8th Edition, McGraw-Hill Professional Publishing, 2015
- Nelson, W Handbook for Rural Health Care Ethics: A Practical Guide for Professionals, 1st Edition; Dartmouth College Press, 2009. https://geiselmed.dartmouth.edu/cfm/resources/ethics/full-book.pdf

- American College of Physician's Ethical Manual, Sixth Edition. https://www.acponline.org/clinical-information/ethics-and-professionalism/acp-ethics-manualsixth-edition/acp-ethics-manual-sixth-edition
- 5. American Medical Association's Code of Medical Ethics. https://www.ama-assn.org/deliveringcare/ama-code-medical-ethics
- 6. AAPA Policy Papers:

Guidelines for the PA Serving as an Expert Witness (Adopted 1977, reaffirmed 2004, 2009, amended 1987, 1991, 2001, 2014, 2018) *Cited at HP*-

3700.1.5

PA Impairment

(Adopted 1990, reaffirmed 2004, 2014 amended 1992, 2009, 2019) Cited at HP-3700.1.3

End-of-Life Decision Making

(Adopted 1997, reaffirmed 2004, 2014, amended 2009, 2018) Cited at HP-3700.1.4

Use of Medical Interpreters for Patients with Limited English Proficiency

(Adopted 2003, reaffirmed 2008, 2013, amended 2018) Cited at HP-3300.2.10

Acknowledging and Apologizing for Adverse Outcomes

(Adopted 2007, reaffirmed 2012, amended 2013, 2018) Cited at HP-3800.2.2

Health Disparities: Promoting the Equitable Treatment of All Patients

(Adopted 2011, amended 2016) Cited at HX-4600.1.6.1

PA Student Supervised Clinical Practice Experiences - Recommendations to Address Barriers (Adopted 2017, amended 2018, 2021) Cited at HP-3200.1.6

Attempts to Change a Minor's Sexual Orientation, Gender Identity, or Gender Expression (Adopted 2017) *Cited at HX-4200.6.2*