

# REPORT OF THE COUNCIL ON ETHICAL AND JUDICIAL AFFAIRS\*

CEJA Report 4-A-18

Subject: Expanded Access to Investigational Therapies

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Referred to: Reference Committee on Amendments to Constitution and Bylaws  
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1 Policy D-460.967(2), “Study of the Current Uses and Ethical Implications of Expanded Access  
2 Programs,” instructs our American Medical Association (AMA) to “study the ethics of expanded  
3 access programs, accelerated approval mechanisms, and payment reform models meant to increase  
4 access to investigational therapies, including access for infants and children.” This report by the  
5 Council on Ethical and Judicial Affairs (CEJA) examines ethical issues in relation to expanded  
6 access and offers guidance for physicians.

## 8 ACCESS TO INVESTIGATIONAL THERAPY

10 For some patients who face serious life-threatening or life-limiting conditions there are few or no  
11 approved therapies. For others, existing therapies are unlikely or have failed to be effective. In such  
12 situations, patients and their physicians may turn to as yet unapproved treatments as a last hope.

14 From a societal perspective, participating in a clinical trial is the most desirable way for patients to  
15 obtain access to therapies still in development [1,2]. But from the perspective of individual  
16 patients, enrolling in a randomized trial cannot guarantee access to the treatment they seek; some  
17 will not meet inclusion criteria to be accepted as trial participants even if they are willing to take  
18 the chance of being randomized to a control arm rather than the investigational therapy; still others  
19 may be unable to participate for other reasons. The expanded access program of the US Food and  
20 Drug Administration (FDA) allows patients in such circumstances to seek access to treatment with  
21 an investigational therapy outside a clinical trial.

### 23 *Expanded Access (“Compassionate Use”)*

25 “Expanded access” refers “the use of an investigational drug when the primary purpose is to  
26 diagnose, monitor, or treat a patient rather than to obtain the kind of information about the drug that  
27 is generally derived from clinical trials [3].

29 Following the thalidomide scandal of the late 1950s and early 1960s, in 1962 the US Congress  
30 mandated that the FDA validate the safety and effectiveness of new drugs based on substantial  
31 evidence collected from controlled clinical trials, which significantly lengthened the timelines for  
32 development of new drugs [4]. The FDA began allowing patients and physicians to petition for  
33 access to unapproved drugs [4], and in 1987 recognized “treatment IND [investigational new

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1 drug]” protocols in response to the HIV/AIDS crisis as dying AIDS patients sought access to the  
2 then-unapproved drug AZT [5].

3  
4 With the push from advocacy groups such as ACT UP, the FDA agreed to allow pharmaceutical  
5 companies to offer access to other promising AIDS drugs through an “expanded access” (or  
6 “compassionate use”) protocol; Alzheimer and cancer patients and their advocates soon followed  
7 with similar demands for access to unproven therapies [5]. In 2009, the FDA substantially revised  
8 federal regulations (at 21 CFR 312), creating three categories for access to investigational  
9 therapies: use by individual patients, use by intermediate-sized patient populations (tens to  
10 hundreds), and widespread use after a clinical trial has been successfully completed but prior to  
11 FDA approval of the therapy [4,6].

12  
13 Before a patient can legally receive an investigational therapy outside of a clinical trial, the FDA  
14 must approve the expanded access application submitted by the physician who will oversee  
15 treatment (21 CFR 312.305). To be granted, a request must demonstrate that the patient(s) for  
16 whom access is requested has a “serious or immediately life-threatening” condition for which there is  
17 no satisfactory alternative therapy; that the potential benefit to the patient justifies the risk of the  
18 investigational therapy; and that the potential risks of the investigational therapy “are not  
19 unreasonable in the context of the disease or condition to be treated” (21 CFR 312.305). To protect  
20 the scientific integrity of clinical trials, it must also be shown that providing the investigational  
21 therapy “will not interfere with the initiation, conduct, or completion of clinical investigations that  
22 could support marketing approval of the expanded access use or otherwise compromise the  
23 potential development of the expanded access use” (21 CFR 312.305).

24  
25 The regulations further set evidentiary thresholds for risk that are more stringent the greater  
26 number of patients involved and the less serious the condition. For single patient use, a physician  
27 need only conclude that the investigational therapy poses no greater risk than the disease itself (21  
28 CFR 312.310), while for intermediate-size patient populations, there must be evidence that the drug  
29 is safe “at the dose and duration” proposed for expanded access use and that there is “at least  
30 preliminary clinical evidence of effectiveness” (or plausible pharmacologic effect) to make use  
31 under expanded access “a reasonable therapeutic option” for the intended patient population (21  
32 CFR 312.315). Thus, patients who receive investigational therapies outside clinical trials don’t  
33 have the same protections as do enrolled participants, such as monitoring by institutional review  
34 boards and data and safety monitoring boards, which can halt trials when significant concerns arise  
35 [7]. Because patients receiving investigational therapies under expanded access are not connected  
36 to a particular trial site, “the potential for rigorous safety monitoring is greatly reduced” [7].

37  
38 Under the 2009 regulations, the treating physician must determine that the proposed use meets  
39 FDA criteria for expanded access and is also responsible for obtaining IRB approval for use of the  
40 investigational therapy for the patient, which can be particularly challenging for physicians outside  
41 academic medical centers [4]. Physicians who treat patients with investigational therapies under  
42 expanded access must comply with the responsibilities for investigators set out elsewhere in federal  
43 regulations governing clinical trials. In 2017, the FDA took steps to streamline the process of  
44 applying for expanded access, simplifying the single patient application form and modifying the  
45 requirement for IRB approval to allow review by a single member of the IRB rather than the fully  
46 convened board [8]. FDA has indicated that further simplification is being considered [8].

47  
48 Sponsors are not required to provide investigational therapies for use under expanded access, and  
49 FDA has no authority to mandate that a drug be made available by an unwilling sponsor [7].  
50 Sponsors decline to participate in expanded access for a variety of reasons, including limited  
51 supply of the investigational therapy, limited capacity to produce additional supplies, or the cost of

1 making the therapy available outside an ongoing clinical trial [1,4]. Sponsors who provide an  
2 investigational therapy under expanded access face additional administrative burdens—among  
3 other requirements, regulations mandate that they ensure that physicians are qualified to administer  
4 the therapy and submit investigational new drug safety reports for the expanded access use,  
5 including reporting adverse events (21 CFR 312.305).

6  
7 One concern is that adverse events reported for expanded access use may in fact not be associated  
8 with the investigational therapy and could jeopardize development of it [1,9]. Patients who receive  
9 an investigational therapy outside clinical trials may have more advanced disease than trial  
10 participants, have other concurrent medical conditions, or be receiving other concurrent treatment,  
11 which can make it more difficult to determine the cause of an adverse event. Responding to this  
12 concern, the FDA recently clarified expectations for reporting negative effects, permitting sponsors  
13 to report only those events for which “there is evidence to suggest a causal relationship between the  
14 drug and the adverse event” [8].

### 15 16 *Impact of Expanded Access*

17  
18 Applications for expanded access use for both drugs and biologics have grown steadily—from just  
19 under 1,100 in 2010 to more than 1,700 in 2016 (with a high total of 1,999 in 2014) [10]. Overall,  
20 the Center for Drug Evaluation and Research received nearly 11,000 applications between 2005  
21 and 2014, of which 99.7% were approved [1]. The majority of requests were in “therapeutic areas  
22 where products were being developed to treat life-threatening illness with significant unmet  
23 medical need,” such as hematologic and solid organ malignancies [1].

24  
25 Less is known about whether requests for expanded access use are granted by sponsors or whether  
26 investigational therapies provided through expanded access have received FDA approval. A review  
27 of found 398 expanded access programs registered at ClinicalTrials.gov as of July 2016 [11]. Of  
28 the 210 unique experimental drugs for which data were reviewed, 76 percent had ultimately  
29 received approval. As the authors note, this suggests that “we cannot entirely eliminate safety and  
30 efficacy questions in expanded access and compassionate use” [11].

### 31 32 *The Future of Expanded Access*

33  
34 Provisions of the 21<sup>st</sup> Century Cures Act enacted in December 2016 address the challenges patients  
35 and physicians face in obtaining information about investigational therapies that may be available  
36 through expanded access. The act requires manufacturers and distributors of investigational drugs  
37 intended to treat serious diseases to “make public and readily available” their policies for  
38 evaluating and responding to requests for expanded access use (Pub L 114-255). The act further  
39 requires that such policies include contact information for the manufacturer or distributor,  
40 procedures for making requests and general criteria used to evaluate requests for individual  
41 patients, and a link or other reference to clinical trial information about the investigational therapy.  
42 The act does not, however, require a manufacturer or distributor to guarantee access to an  
43 investigational therapy in development.

44  
45 In addition to simplifying application forms for single patient use and procedures for IRB approval,  
46 in July 2017 FDA launched a new online [Expanded Access Navigator](#) in conjunction with the  
47 Reagan-Udall Foundation to assist patients and physicians in finding information about expanded  
48 access [8].

1 ETHICAL CHALLENGES IN EXPANDED ACCESS

2  
3 Although ongoing efforts to simplify expanded access programs will likely enable more patients to  
4 receive treatment with investigational therapies, ethical concerns remain. Key among them are  
5 issues of informed consent and decision making, fairness in access to investigational therapies, and  
6 possible negative effects for the conduct of clinical trials.

7  
8 *Informed Consent*

9  
10 Informed consent to medical treatment is fundamental in both ethics and law. Patients have the  
11 right to receive information and to ask questions about recommended treatments so that they can  
12 make well-considered decisions about care ([E-2.1.1](#)). Treatment with an investigational therapy  
13 poses special challenges in this regard. Patients who face serious, life-threatening illnesses for  
14 which approved therapies have not been effective or for which there are no approved therapies may  
15 be particularly vulnerable to holding out false hope for investigational therapy [12]. Promoting  
16 truly informed decisions about whether to request expanded access is critical, but can be difficult,  
17 both because information about an investigational therapy is often incomplete or difficult to obtain,  
18 and because patients may be prone to misinterpreting what information is available.

19  
20 In the early stages of development, relatively little may be known about an investigational  
21 therapy's efficacy or possible adverse effects [4,13]. Information about therapies still in  
22 development is often proprietary and thus not readily available, making it difficult for patients and  
23 physicians to assess whether the risk of disease outweighs the risk of the investigational therapy for  
24 purposes of requesting expanded access [4]. Moreover, terminally ill patients do not always  
25 evaluate risks and benefits objectively—they tend to overestimate likely benefit and underestimate  
26 the burdens of as yet unproven therapies [12,14]. They may be under a “therapeutic  
27 misconception” and fail to appreciate that the therapy has not been demonstrated to be effective  
28 [15], or be “unrealistically optimistic” and expect that their personal outcomes will be more  
29 positive than the outcomes of others in similar situations [14,16].

30  
31 FDA acknowledges that patients who are candidates for expanded access use “are a particularly  
32 vulnerable population” and “should be afforded a rigorous informed consent process that  
33 effectively communicates the risks and potential benefits of any investigational therapy to be used  
34 for treatment use [sic] in a way that does not raise false expectations about a positive outcome from  
35 treatment and makes clear what is unknown about the drug” [6]. Expanded access regulations  
36 mandate that the treating physician (“investigator” in the language of the regulations) ensure that  
37 the consent requirements of the Common Rule are met (21 CFR 305(c)(4)), including informing  
38 the patient that the therapy is investigational and that there is uncertainty as to its safety and  
39 effectiveness [3].

40  
41 FDA also mandates that the sponsor of an investigational therapy provide the treating physician  
42 “with the information needed to minimize the risk and maximize the potential benefits of the  
43 investigational drug (the investigator’s brochure must be provided if one exists for the drug)” (21  
44 CRF 312.305(c)(5)) as a requirement for expanded access use. It is essential that the treating  
45 physician have as much information as possible about an investigational therapy to provide  
46 appropriate patient care. An investigator’s brochure “provides insight to support the clinical  
47 management of the study subject” [17]—or, in the instant case, the patient receiving the  
48 investigational therapy under expanded access—by compiling both clinical and nonclinical  
49 information about the therapy.

1 *Financial Barriers to Expanded Access*

2  
3 Issues of equity also arise with respect to expanded access programs. Sponsors may provide  
4 investigational therapies at no cost for expanded access use, but they are not required to do so.  
5 Current FDA regulations permit sponsors to recover direct costs of providing an investigational  
6 therapy for expanded access use (21 CFR 312.8(d)(1)) , either directly from patients or by billing  
7 third-party payers. For the most part, insurance plans do not reimburse the costs of therapies not yet  
8 approved for marketing [14,18]. Although most sponsors shoulder the cost burden, when they do  
9 not patients may be unable to afford to pay out of pocket, even when they have been approved for  
10 expanded access use. It has been argued that expanded access “favors the rich or well-connected”  
11 [4].  
12

13 *Effects on Clinical Trials/Implications for Public Health*

14  
15 Expanded access programs may also adversely affect the successful completion of clinical trials  
16 and marketing approval of clinical trials. Permitting patients to obtain not yet approved therapies  
17 by means of expanded access may delay enrollment in trials of the therapy or jeopardize retention  
18 of participants, undermining efforts to demonstrate the safety and efficacy of the investigational  
19 therapy [9]. This in turn thwarts society’s interest in the development and approval of new  
20 therapies for populations of patients [2,9]. The extent to which expanded access programs in fact  
21 have this effect is not clear. Before FDA will approve a request for expanded access use, patients  
22 and physicians must demonstrate that the patient is not a candidate for a clinical trial, for example,  
23 because the individual fails to meet inclusion criteria or existing trials are geographically  
24 inaccessible to the individual.  
25

26 RECOMMENDATION

27  
28 In light of these considerations, the Council on Ethical and Judicial Affairs recommends that Policy  
29 D-460.967(2), “Study of the Current Uses and Ethical Implications of Expanded Access  
30 Programs,” be rescinded, the following be adopted, and the remainder of the report be filed:  
31

32 Physicians who care for patients with serious, life-threatening illness for whom standard  
33 therapies have failed, are unlikely to be effective, or do not exist should determine whether  
34 questions about access to investigational therapy through the U.S. Food and Drug  
35 Administration’s “expanded access” program are likely to arise in their clinical practice. If so,  
36 physicians should familiarize themselves with the program to be better able to engage in shared  
37 decision making with patients.  
38

39 When a patient requests expanded access to an investigational therapy, physicians should:

- 40  
41 (a) Assess the patient’s individual clinical situation to determine whether an investigational  
42 therapy would be appropriate, including:  
43  
44 (i) whether there is a satisfactory alternative therapy available to diagnose, monitor, or  
45 treat the patient’s disease or condition;  
46  
47 (ii) the nature of potential risks of the investigational therapy and whether those risks are  
48 not unreasonable in the context of the patient’s disease or condition;  
49  
50 (iii) whether the potential benefit to the patient justifies the risks of the investigational  
51 therapy;

- 1 (iv) whether the patient meets inclusion criteria for an existing clinical trial of the  
2 investigational therapy.  
3
- 4 (b) As part of the informed consent process, advise the patient (or parent/guardian if the  
5 patient is a minor) that the investigational therapy has not yet been demonstrated to be  
6 effective in treating the patient's condition and may pose as yet unknown risks. Physicians  
7 should explain the importance of clinical trials, encourage patients who meet inclusion  
8 criteria to participate in an existing trial rather than seek access to investigational therapy  
9 through the FDA expanded access program, and direct patients who wish to participate in  
10 research to appropriate resources.  
11
- 12 (c) Decline to support an application for expanded access to an investigational therapy when:  
13
- 14 (i) the physician judges the treatment with the investigational therapy not to be in the  
15 patient's best interest, and explain why; or  
16
- 17 (ii) the physician does not have appropriate resources and ability to safely supervise the  
18 patient's care under expanded access.  
19
- 20 In such cases, physicians should refer the patient to another physician with whom to discuss  
21 possible application for expanded access.  
22
- 23 (d) Discuss the implications of expanded access for the patient and family and help them form  
24 realistic expectations about what it will mean to be treated with the investigational therapy  
25 outside a clinical trial. Physicians should alert patients:  
26
- 27 (i) to the possibility of financial or other responsibilities associated with receiving an  
28 investigational therapy through expanded access;  
29
- 30 (ii) to the lack of infrastructure to systematically monitor and evaluate the effects of the  
31 investigational therapy outside a clinical trial;  
32
- 33 (iii) that they need information about how to contact the manufacturer for guidance if they  
34 seek emergency care from a health care professional who is not affiliated with a  
35 clinical trial of the investigational therapy;  
36
- 37 (iv) that the physician has a responsibility to collect and share clinical information about  
38 the patient's course of treatment with the investigational therapy, as well as to report  
39 any adverse events that may occur over the course of treatment;  
40
- 41 (v) to the conditions under which the physician would recommend stopping treatment with  
42 the investigational therapy.

(NEW HOD/CEJA POLICY)

Fiscal Note: Less than \$500

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