Introduction

FDA contracted with the management consulting firm Eagle Hill Consulting to conduct this survey as an assessment of the Total Product Life Cycle (TPLC) Advisory Program (TAP) Pilot.

Please provide your feedback by answering the following questions. All responses will be kept confidential. Completing this survey should take approximately 20 minutes.

Your participation / non-participation is completely voluntary, and your responses will not have an effect on your eligibility for receipt of any FDA services. In instances where respondent identity is needed (e.g., for follow-up of non-respondents), this information collection fully complies with all aspects of the Privacy Act and data will be kept private to the fullest extent allowed by law.

Paperwork Reduction Act Statement:

OMB Control No. 0910-NEW Expiration date:

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0910-NEW. The time required to complete this information collection is estimated to average 20 minutes per response, including the time to review instructions and completing the survey. Send comments regarding this burden estimate or any other aspects of this collection of information, including suggestions for reducing burden to PRAStaff@fda.hhs.gov.

* 1. What position or role do you hold within your organization?
Executive
Engineering
Operations
Regulatory
Clinical
Quality
Manufacturing
Other (please specify)

* 2. What size is your organization?	
10 employees or less	
11 to 50 employees	
51 to 100 employees	
101 to 250 employees	
251 to 500 employees	
501 to 1000 employees	
1001 to 5000 employees	
5001 employees or more	

* 5. How long has your organization been operating in the medical device space?
Less than 2 years
2 years to less than 5 years
5 years to less than 10 years
10 years to less than 20 years
20 years or more

- * 4. A TAP interaction is a strategic engagement, meeting, or communication with one or more organizations. TAP interactions include:
 - Formal teleconferences with FDA: A teleconference that requires formal amendment submission.
 - Informal check-ins with FDA: A routine or ad-hoc touch-base that is not documented as a TAP amendment.
 - Written feedback: A requested TAP amendment on biocompatibility, sterility, and other topics from FDA.
 - Voluntary Interactions with non-FDA stakeholders, facilitated by FDA (e.g., payer consultants/subject matter experts (SMEs), healthcare providers, patient organizations/SMEs).

$How \ many \ total \ interactions \ has \ your \ organization \ had \ while \ participating \ in \ the \ TAP \ Pilot?$
0 interactions
1 to 5 interactions
6 to 10 interactions
11 to 20 interactions
21 interactions or more

* 5. An amendment is a requested and documented interaction with FDA or non-FDA stakeholders. How many total amendments has your organization requested with the TAP Pilot?
0 amendments
1 to 3 amendments
4 to 6 amendments
7 to 9 amendments
10 amendments or more

Interaction Type: For	mal Teleconferences	with FDA	1
-----------------------	---------------------	----------	---

* 6. Did your organization engage in formal teleconferences with FDA (teleconferences that require formal amendment submission) during the TAP Pilot period?
Yes
○ No

Satisfaction with Formal Teleconferences with FDA

Formal teleconferences with FDA are those that require formal amendment submission.

* 7. How satisfied or dissatisfied was your organization with each the following aspects of **formal teleconferences with FDA**?

	Very satisfied	Satisfied	Neither satisfied nor dissatisfied	Dissatisfied	Very dissatisfied
Quality					
Frequency					
Efficiency					
Timeliness					
* 8. Were your foright? Too frequent Too seldom Just about rig		erences wit	h FDA too freque	ent, too seldor	n, or just about

Yes			
O No			

Satisfaction with Informal Check-ins with FDA

Informal Check-ins with FDA are routine or ad-hoc touch-bases that are not documented as a TAP amendment.

* 10. How satisfied or dissatisfied was your organization with each the following aspects of **informal check-ins with FDA**?

	Very satisfied	Satisfied	Neither satisfied nor dissatisfied	Dissatisfied	Very dissatisfied
Quality					
Frequency					
Efficiency					
Timeliness					
* 11. Were your Too frequent Too seldom Just about right		k-ins with Fl	DA too frequent, t	too seldom, o	r just about right?

Interaction Type: Written Feedback from FDA on Biocompatibility and Sterility Topics

* 12. Did your organization engage in written feedback from FDA on biocompatibility and sterility topics during the TAP Pilot period?
YesNo

Satisfaction with Written Feedback from FDA on Biocompatibility and Sterility Topics

Written Feedback from FDA on Biocompatibility and Sterility Topics are those requests that requires an amendment submission.

* 13. How satisfied or dissatisfied was your organization with each the following aspects of written feedback from FDA on biocompatibility and sterility topics?

			Neither satisfied		
	Very satisfied	Satisfied	nor dissatisfied	Dissatisfied	Very dissatisfied
Quality					
Frequency					
Efficiency					
Timeliness					
* 14. Was your value frequent, too se Too frequent Too seldom Just about rig	ldom, or just abo		on biocompatil	bility and ste	erility topics too

Interaction Type: Written Feedback from FDA on Other Non-Biocompatibility and Sterility Topics

* 15. Did your organization engage in written feedback from FDA on other <u>NON</u> - biocompatibility and sterility topics during the TAP Pilot period?		
Yes		
○ No		

Satisfaction with Written Feedback from FDA on Other Non-Biocompatibility and Sterility Topics

Written Feedback from FDA on Other Non-Biocompatibility and Sterility Topics are those requests that requires an amendment submission.

* 16. How satisfied or dissatisfied was your organization with each of the following aspects of written feedback from FDA on other NON-biocompatibility and sterility topics?

	Very satisfied	Satisfied	Neither satisfied nor dissatisfied	Dissatisfied	Very dissatisfied
Quality					
Frequency	\bigcirc				
Efficiency					
Timeliness	\bigcirc				
* 17. Was your v topics too frequent Too frequent Too seldom Just about rig	ient, too seldom,			biocompatib	ility and sterilit

Voluntary Interactions With Non-FDA Stakeholders During TAP Pilot

* 18. Did your organization engage in **voluntary interactions with non-FDA stakeholders facilitated by FDA** during the TAP Pilot (e.g., payer consultants/subject matter experts (SMEs), healthcare providers, patient organizations/SMEs)?

By non-FDA, we are referring to external individuals or groups that are not contracted or employed by the FDA.
Yes
○ No

Voluntary Interactions During TAP Pilot: Payer Consultants/SMEs

19. Did your organization engage in voluntary interactions with **non-FDA payer consultants/subject matter experts (SMEs)** facilitated by FDA?

Payer consultants/subject matter experts (SMEs): Individuals that advise on payment for services rendered by a healthcare provider.
○ Yes
○ No

Primary Drivers for Non-Interactions: Payer Consultants/SMEs

onsultants/subject matter experts (SMEs) through the TAP Pilot?
It is not our highest priority right now
Timing is not right
We do not have the bandwidth
Not sure how to initiate
Do not see the value
We have our own experts/contacts
Other (please specify)

* 20. What is the *primary* reason for NOT interacting with **non-FDA payer**

Satisfaction of Interactions with Non-FDA Payer Consultants/Subject Matter Experts (SMEs)

Payer consultants/SMEs are individuals that advise on payment for services rendered by a healthcare provider.

* 21. How satisfied or dissatisfied was your organization with each the following aspects of voluntary interactions with **non-FDA payer consultants/subject matter experts (SMEs)** facilitated by FDA?

			Neitner satisfied		
	Very satisfied	Satisfied	nor dissatisfied	Dissatisfied	Very dissatisfied
Quality					
Frequency					
Efficiency					
Timeliness					
-) facilitated by F		n on-FDA payer c nent, too seldom,		-

Voluntary Interactions During TAP Pilot: Healthcare Providers and Professional Societies

* 23. Did your organization engage in voluntary interactions with **non-FDA healthcare providers and professional societies** facilitated by FDA?

Healthcare Providers and Professional Societies: Individuals or groups that provide feedback on clinical evidence generation, reimbursement, and clinical practice/new technology adoption.

\bigcirc	Yes

O No

Primary Drivers for Non-Interactions: Healthcare Providers and Professional Societies

What is the <i>primary</i> reason for NOT interacting with non-FDA healthcare providers professional societies through the TAP Pilot?
It is not our highest priority right now
Timing is not right
We do not have the bandwidth
Not sure how to initiate
Do not see the value
We have our own experts/contacts
Other (please specify)

Satisfaction of Interactions with Non-FDA Healthcare Providers and Professional Societies

Healthcare Providers and Professional Societies are individuals or groups that provide feedback on clinical evidence generation, reimbursement, and clinical practice/new technology adoption.

* 25. How satisfied or dissatisfied was your organization with each the following aspects of voluntary interactions with **non-FDA healthcare providers and professional societies** facilitated by FDA?

	Very satisfied	Satisfied	Neither satisfied nor dissatisfied	Dissatisfied	Very dissatisfied
Quality					
Frequency					
Efficiency					
Timeliness					
Ü	cieties facilitat		non-FDA healthd	-	

Voluntary Interactions During TAP Pilot: Patient Organizations/SMEs

* 27. Did your organization engage in voluntary interactions with **non-FDA patient organizations/subject matter experts (SMEs)** facilitated by FDA?

Patient Organizations/SMEs: Individuals or groups that promote the needs of patients by
providing education and training, support, research, clinical trial recruitment, and medical
information.

O Yes

O No

Primary Drivers for Non-Interactions: Patient Groups/SMEs

organizations/subject matter experts (SMEs) through the TAP Pilot?
It is not our highest priority right now
Timing is not right
We do not have the bandwidth
Not sure how to initiate
On not see the value
We have our own experts/contacts
Other (please specify)

* 28. What is the primary reason for NOT interacting with **non-FDA patient**

Satisfaction with Interactions with Non-FDA Patient Organizations/Subject Matter Experts (SMEs)

Patient Organizations/SMEs are individuals or groups that promote the needs of patients by providing education and training, support, research, clinical trial recruitment, and medical information.

* 29. How satisfied or dissatisfied was your organization with each the following aspects of voluntary interactions with **non-FDA patient organizations/subject matter experts** (SMEs) facilitated by FDA?

	Very satisfied	Satisfied	Neither satisfied nor dissatisfied	Dissatisfied	Very dissatisfied
Quality					
Frequency	\bigcirc				
Efficiency					
Timeliness					
-	(SMEs) facilita		non-FDA patient too frequent, too s	_	-

Voluntary Interactions Outside TAP Pilot

* 31. Does your organization have experience interacting with external stakeholders (e.g.,
$payer\ consultants/SMEs,\ healthcare\ providers,\ patient\ organizations/SMEs)\ \textbf{outside}\ \textbf{of}\ \textbf{the}$
TAP Pilot (that is, without FDA involvement)?

O Yes

O No

Voluntary Interactions: Compare In/Outside TAP Pilot

* 32. Were interactions with external stakeholders facilitated by FDA through the TAP Pilot better or worse than other external stakeholder interactions NOT facilitated by FDA?
○ Much better
○ Somewhat better
About the same
○ Somewhat worse
Much worse
33. Please explain what made interactions facilitated by FDA better or worse.
34. What is the MOST significant action that you took as a result of what you learned through
interactions with non-FDA stakeholders?

Topics of Interactions

* 35. Across all interaction types, which of the following topics did you cover in your interactions? Please select all that apply.
Regulatory Requirements
Biocompatibility and Sterility Topics
Design/User Needs
Commercialization Plan
Device Development Plan
Coding, Payment, and Coverage Requirements
Patient Engagement Topics
Clinical Evidence Generation
Regulatory Evidence
Payer Evidence
Other (please specify)

Topics of Interactions

 \ast 36. How satisfied or dissatisfied was your organization with the feedback received on the topics identified?

	Very satisfied	Satisfied	Neither satisfied nor dissatisfied	Dissatisfied	Very dissatisfied	N/A
Regulatory Requirements			\bigcirc		\bigcirc	
Biocompatibility and Sterility Topics			\bigcirc			
Design/User Needs						
Commercialization Plan			\bigcirc			
Device Development Plan	\bigcirc		\bigcirc			
Coding, Payment, and Coverage Requirements	\bigcirc				\bigcirc	
Patient Engagement Topics	\bigcirc		\bigcirc		\bigcirc	
Clinical Evidence Generation			\bigcirc			
Regulatory Evidence						
Payer Evidence						

Overall Satisfaction

	now satisfied or dissatisfied is your organization with its participation in
TAP Pilot? Very satisfie	od.
Satisfied	zu.
	infind you dispostinfind
	isfied nor dissatisfied
Dissatisfied	
Very dissati	sned
R What word th	e primary drivers that influenced your response to the previous question
	e primary drivers that initialiced your response to the previous question

ey: Sponsor
mpany like yours?
10

Outcomes and Impacts of the TAP Pilot: Strategic Decision-Making

The following questions ask about outcomes and impacts achieved from participating in the TAP Pilot as they relate to strategic decision-making.

* 41. How much do you agree or disagree with the following statements?

	Strongly		agree nor	D.	Strongly	27/4
	agree	Agree	aisagree	Disagree	disagree	N/A
My organization has a better understanding of the regulatory requirements for getting our device approved by FDA as a result of participating in the TAP Pilot.	\bigcirc					
My organization has become more knowledgeable about how to bring our medical device to market in the United States as a result of participating in the TAP Pilot.		\bigcirc				
My organization has become more confident in our plan to bring or not to bring our medical device to market as a result of participating in the TAP Pilot.	\bigcirc			\bigcirc		

Outcomes and Impacts of the TAP Pilot: Strategic Decision-Making

* 42. To what extent have TAP Pilot interactions had a positive or negative effect on your organization's strategic decision-making (for example, regarding development or commercialization of a device)?
Major positive effect
Minor positive effect
No effect
Minor negative effect
Major negative effect

Outcomes and Impacts of the TAP Pilot: Strategic Decision-Making Regulatory Strategy

togulatory Strategy
* 43. Has your organization realized benefits to your regulatory strategy as a result of your participation in the TAP Pilot?
Yes
○ No

Outcomes and Impacts of the TAP Pilot: Strategic Decision-Making **Regulatory Strategy**

* 44. Which of the following benefits to your regulatory strategy has your organization realized as a result of your participation in the TAP Pilot? Please select all that apply.
Aligned with FDA on overall regulatory strategy for our device.
Increased timely premarket interactions with FDA.
Received clarity and actionable options on the next steps for our device from FDA.
Aligned with FDA on specific steps leading to market authorization for our device.
Obtained clarity on evidence collection to support market approval.
Identified and mitigated regulatory risks.
Consider our market differentiation.
Improve our device development strategy.
Other (please specify)

Outcomes and Impacts of the TAP Pilot: Strategic Decision-Making Commercialization and Patient Access Strategy

* 45. Has your organization realized benefits to your commercialization and patient access strategy as a result of your participation in the TAP Pilot?
○ Yes
○ No

Outcomes and Impacts of the TAP Pilot: Strategic Decision-Making Commercialization and Patient Access Strategy

* 46. Which of the following benefits to your commercialization and patient access
strategy has your organization realized as a result of your participation in the TAP Pilot?
Please select all that apply.
Better understood the full path to market adoption for our device.
Accessed various external stakeholders (e.g., payer consultants/SMEs, healthcare providers, patient organizations/SMEs).
Better understood our device's value proposition and the ways we can demonstrate its value.
Became better informed about the reimbursement landscape (e.g., coding, coverage, and payment).
Identified reimbursement risks for our device and set a clear path to mitigating those risks.
Other (please specify)

Outcomes and Impacts of the TAP Pilot: Marketing Application

The following questions ask about outcomes and impacts achieved from participating in the TAP Pilot as they relate to marketing applications.

* 47. **Evidence generation** is the use of adequate and well-controlled investigations conducted by experts, including clinical studies, to evaluate the effectiveness and safety of the treatment in question.

How much do you agree or disagree that your organization has a **better understanding** of FDA's expectations regarding evidence generation for the purpose of marketing authorization as a result of participating in the TAP Pilot?

Strongly agree
Agree
Neither agree nor disagree
○ Disagree
Strongly disagree
N/A - We did not discuss this topic through the TAP Pilot

Outcomes and Impacts of the TAP Pilot: Marketing Application

The following questions ask about outcomes and impacts achieved from participating in the TAP Pilot as they relate to marketing applications.

* 48. Does your organization expect to bring your device to market?
○ Yes
○ No
○ Not Decided

Outcomes and Impacts of the TAP Pilot: Marketing Application

* 49. How confident is your organization in gaining market approval of your device from FDA on its first attempt (i.e., you will NOT be asked for additional information in response to your initial market submission for your device for the proposed indications for use)?
Extremely confident
○ Very confident
Somewhat confident
Slightly confident
Not at all confident

Outcomes and Impacts of the TAP Pilot: Other

* 50. How much do you agree or disagree with the following statements?

	Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree	N/A
Participation in TAP is a value-add for our organization.	\bigcirc		\bigcirc		\bigcirc	\bigcirc
FDA staff were highly collaborative throughout the TAP Pilot.	\bigcirc		\bigcirc	\bigcirc	\bigcirc	\bigcirc
External stakeholders were highly collaborative during TAP interactions.	\circ	0		0	\circ	

General Information

51. How helpful or unhelpful were each of the following in improving your organization's understanding of how to get the most value from the TAP Pilot?

	Very helpful	Somewhat helpful	Neither helpful nor unhelpful	Somewhat unhelpful	Very unhelpful	N/A
Kickoff/Orientation materials provided by FDA				\bigcirc		\bigcirc
Email exchanges between your organization and FDA			\bigcirc	\bigcirc	\bigcirc	\bigcirc
TAP webpage on fda.gov	\bigcirc	\bigcirc	\bigcirc	\circ	\bigcirc	
Meetings and phone calls with FDA staff		\bigcirc				

General Information

52. Ap	proximately	how many	employees	at your	organization	are	currently	involved i	n the
TAP Pi	lot?								

Enter answer as a whole number.
53. Approximately how much total time (in hours) on average does a given employee spend participating in the TAP Pilot in a typical week?
0-8 hours
9-16 hours
17-24 hours
25-32 hours
33-40 hours
41 hours or more

Concluding Remarks 54. What suggestions do you have for how FDA could make TAP interactions more valuable? 55. Please provide any other comments or feedback for FDA. 56. If you are willing to participate in a follow-up interview about the TAP Pilot, please provide your name and email address below. Name Company Email Address Phone Number

Rationale for No Interactions

57. Why has your organization NOT had any interactions in the TAP Pilot thus far? Please select all that apply.
Recently joined the TAP Pilot.
Not prepared for interactions/written feedback.
Scheduling difficulties.
Other organizational priorities.
TAP didn't seem like it would provide value to our organization.
Other (please specify)