



# Interprofessional Practice Survey Results (revised March 2023) June 2021

## Introduction

The American Speech-Language-Hearing Association (ASHA) is focusing on advancing interprofessional education and interprofessional collaborative practice (IPE/IPP) as part of its *Strategic Plan*. As part of this initiative, ASHA fielded a survey to a random sample of 8,796 ASHA-certified audiologists and speech-language pathologists (SLPs)—approximately 4,300 from each profession—who reported being employed full time as a clinical service provider in the United States or U.S. Territories.

The purpose of the 2021 survey was to gather progress data for an ASHA Strategic Plan initiative on advancing IPP. A similar survey was fielded in [2016](#), [2017](#), and [2019](#) to collect baseline data. The 2021 survey was fielded on April 29, 2021. Follow-up reminders were sent to nonrespondents on May 6 and May 13. The survey was closed on May 21. Of the 8,796 individuals, 170 opted out of this and future online surveys, and 118 e-mails bounced, leaving 8,508 possible respondents. The actual number of respondents was 916, for a 10.8% response rate. Respondents had an opportunity to enter a drawing for a \$100 Amazon gift card.

## Highlights

- Across all respondents, 43% were employed in a school setting, 26% in a nonresidential health care facility such as a private practice or clinic, 17% in a hospital, and the remainder in a college/university or in a residential health care or other facility.
- The majority of respondents (92%), by design, were employed as clinical service providers.
- Most respondents—73% of audiologists, 91% of SLPs working in health care, and 91% of SLPs working in schools—reported that they had engaged in IPP in their primary work setting during the past 12 months using the World Health Organization’s definition of IPP.
- When asked to reflect on a recent IPP team experience relative to 18 specific IPP behavioral statements (e.g., “My colleagues from other fields treat me with respect”), the majority of respondents across all groups reported that positive IPP experiences happened “almost always” or “most of the time.” Lowest on the list were “The team talks together about our professional similarities and differences” and “administrative duties that support the team, such as minute taking, are shared,” which were rated as “almost always” or “most of the time” by 64% and 66%, respectively, of all respondents.
- Furthermore, 36% of all respondents answered “almost always” or “most of the time” to all 18 statements, and 80% responded “almost always” or “most of the time” to at least 15 of the 18 statements. **The percentage of respondents who indicated “almost always” or “most of the time” to at least 15 of the 18 IPP target statements was selected as the 2016 baseline performance metric for ASHA’s Strategic Objective #2 (46% of audiologists, 69% of SLPs in health care, and 73% of SLPs in schools).** In 2021, 75% of audiologists, 79% of SLPs in health care, and 82% of SLPs in schools indicated “almost always” or “most of the time” to at least 15 of the 18 IPP target statements.
- Most—85% of audiologists, 71% of health care–based SLPs, and 82% of school-based SLPs—reported being satisfied with the degree of collaboration on their IPP teams.
- Overall, 38% of respondents indicated that the culture at their facility/school was very conducive to engagement in IPP.
- The majority of respondents (62%) did not have any formal education or training in IPP.
- A higher percentage of SLPs—56% of SLPs in health care and 49% of SLPs in schools—reported that they felt very prepared to effectively participate on IPP teams, compared with 37% of audiologists.
- Far fewer—22% of all respondents—indicated that they felt very prepared to **lead** an IPP team of multiple professionals.

## Results

Analyses are presented separately for audiologists, health care–based speech-language pathologists (SLPs), and school–based SLPs, as well as for all respondents combined. Percentages are rounded and may not add to exactly 100%. Data for “all respondents” are unweighted.

### Screening Question

The first survey question was intended to identify those professionals who had the opportunity to engage in IPP—that is, their caseloads included services provided to patients, clients, and/or students who were also receiving services from other health care or education service providers. Respondents who answered “no” to question 1 were automatically skipped to the end of the survey. The 6.6% ( $n = 60$ ) shown under “all respondents” are not included under the “Audiologists,” “SLPs in Health Care,” or “SLPs in Schools” columns because they did not proceed through the survey to respond to the professional area question (Question 2) or the primary work setting question (Question 3). Also, the “All Respondents” total ( $n = 916$ ) exceeds the sum of the “Audiologists,” “SLPs in Health Care,” “SLPs in Schools,” and “No” responses because some primary work setting categories (i.e., “College/University,” “Not Currently Employed,” and “Other”) are reflected only under the “All Respondents” category. This is the case for subsequent questions as well.

1. In the last 12 months, has your caseload included services provided to patients/clients/students who were also receiving services from other health care or education service providers?

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Yes	100.0	100.0	100.0	93.4
No	0.0	0.0	0.0	6.6

<sup>a</sup> $n = 286$ . <sup>b</sup> $n = 185$ . <sup>c</sup> $n = 324$ . <sup>d</sup> $n = 916$ .

### Demographics

2. In which of the following professional area(s) do you work? (Check all that apply.)

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Audiology	100.0	0.5	0.9	33.5
Speech-language pathology	2.4	100.0	100.0	66.7
Neither audiology nor speech- language pathology	0.0	0.0	0.0	0.7

<sup>a</sup> $n = 286$ . <sup>b</sup> $n = 185$ . <sup>c</sup> $n = 324$ . <sup>d</sup> $n = 855$ .

Respondents who answered “Neither audiology nor speech-language pathology” to Question 2 were automatically skipped to the end of the survey. These individuals were not audiologists or SLPs in a health care or school setting and were, therefore, outside the scope of this survey.

### 3. What is your primary work setting?

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
School	15.4	0.0	100.0	43.0
College/university	1.4	0.0	0.0	1.3
Hospital	28.7	31.9	0.0	16.6
Residential health care facility (skilled nursing facility, etc.)	0.3	23.8	0.0	5.3
Nonresidential health care facility (private practice, physician's office, clinic, etc.)	49.3	44.3	0.0	26.1
Not currently employed (student, retired, etc.)	0.0	0.0	0.0	0.5
Other (see below)	4.9	0.0	0.0	7.2

Note. Respondents who selected "Not currently employed" were automatically skipped to the end of the survey.

<sup>a</sup>n = 286. <sup>b</sup>n = 185. <sup>c</sup>n = 324. <sup>d</sup>n = 849.

Other responses included the following:

- Audiologists— Education service district; early intervention; hearing aid office; manufacturer; military (3 responses); multiple settings; outpatient (2 responses); state agency; VA (3 responses)
- SLPs— Contract with school, nonresidential, and home-based services; early intervention (20 responses); home health (20 responses); multiple settings (3 responses); non-clinical appeals/denials; outpatient (2 responses); payer; telehealth

According to ASHA's 2020 year-end counts, 47.9% of all constituents are employed in a school setting, 3.0% in a college/university, 13.2% in a hospital, 9.2% in a residential health care facility, 19.7% in a nonresidential health care facility, and 7.0% in another setting. The primary employment facility of survey respondents differs from that of the overall ASHA constituency because the survey sample targeted those who are employed full time as clinical service providers. Ample representation was received for all targeted categories.

### 4. What is your primary employment function?

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Clinical service provider	97.2	95.7	88.8	92.4
Special education teacher	0.0	0.0	8.4	3.2
College/university instructor	0.4	0.0	0.0	0.6
Researcher	0.4	0.0	0.0	0.1
Consultant	0.4	1.1	0.0	0.6
Administrator	1.4	2.7	0.9	1.7
Other (see below)	0.4	0.5	1.9	1.4

<sup>a</sup>n = 285. <sup>b</sup>n = 184. <sup>c</sup>n = 321. <sup>d</sup>n = 840.

Other responses included the following:

- Audiologists—Multiple roles
- SLPs in Health Care—Lead SLP
- SLPs in Schools—Assistive technology; evaluator; lead SLP; mentor to other SLPs; multiple roles; support services professional

- All Respondents—Appeals denials coordinator; evaluator; multiple roles (2 responses)
5. How many years have you been employed in the audiology and/or speech-language pathology profession? (Exclude your clinical fellowship. Round to the nearest full year. Enter “0” if you have never been employed in the profession/s.)

Statistic	Audiologists (%) <sup>a</sup>	SLPs in Health Care (%) <sup>b</sup>	SLPs in Schools (%) <sup>c</sup>	All Respondents (%) <sup>d</sup>
Median	18.0	12.0	15.0	15.0
Mean	18.4	14.3	16.0	16.5
Standard deviation	13.0	10.3	10.1	11.4
Range	1-48	0-44	1-45	0-48

<sup>a</sup>n = 286. <sup>b</sup>n = 185. <sup>c</sup>n = 323. <sup>d</sup>n = 844.

### Interprofessional Collaborative Practice (IPP)

The next section of the survey focused on respondents’ participation in IPP. Individuals were provided with the following definition at this point in the online survey.

For the purposes of this survey, “interprofessional collaborative practice” occurs when two or more individuals from different fields work together to provide comprehensive, integrated services (e.g., develop and implement a treatment plan collaboratively as a team) in a health care environment or school setting.

This definition is based on the World Health Organization (WHO) framework. The definition also appeared before Questions 8–13.

6. During the past 12 months, have you engaged in interprofessional collaborative practice, as defined above, in your primary work setting?

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Yes	72.7	90.8	90.7	84.8
No	27.3	9.2	9.3	15.2

Note. Respondents who selected “No” were automatically skipped to question 10. <sup>a</sup>n = 286. <sup>b</sup>n = 185. <sup>c</sup>n = 322. <sup>d</sup>n = 843.

The following question is based on the Interprofessional Collaborative Practice Survey in the toolkit titled Enhancing Capacity for Interprofessional Collaboration: A Resource to Support Program Planning - Toronto Rehabilitation Institute (February 2009) (Part 3, p. 4).

7. For the next set of questions, consider one health care or school-based team experience that you have had within the past 12 months.

<b>Audiologists</b>	<b>Almost always</b>	<b>Most of the time</b>	<b>“Almost always” and “most of the time” (combined)</b>	<b>Less than half the time</b>	<b>Almost never</b>
My colleagues from other fields treat me with respect.	68.2	29.7	<b>97.9</b>	2.1	0.0
I work with my team to make decisions based on consensus.	72.8	21.0	<b>93.8</b>	5.6	0.5
I accept ownership for resolving conflict with team members.	64.4	31.4	<b>95.8</b>	1.0	3.1
When I have a disagreement with a colleague, I ask questions in order to understand their perspective.	62.9	34.0	<b>96.9</b>	3.1	0.0
I take time to explain my roles and responsibilities to colleagues.*	56.4	27.7	<b>84.1</b>	11.3	4.6
Leadership is shared in team meetings.	40.6	41.1	<b>81.7</b>	11.5	6.8
When two team members can both perform a task, we make a decision about it.	65.3	29.0	<b>94.3</b>	2.6	3.1
I am consistent in sharing patient/student information with my colleagues.**	71.6	26.3	<b>97.9</b>	1.5	0.5
I willingly engage in shared decision-making.	77.9	21.0	<b>98.9</b>	1.0	0.0
The team talks together about our professional similarities and differences.	33.7	27.6	<b>61.3</b>	27.1	11.6
I trust decisions made by the interprofessional team.	57.9	39.9	<b>97.8</b>	2.2	0.0
Administrative duties that support the team, such as minute taking, are shared.	31.7	37.8	<b>69.5</b>	11.1	19.4
I acknowledge my team members’ qualities and skills regularly.	68.5	27.6	<b>96.1</b>	3.3	0.6
I involve patients/students/families in their treatment plans.	81.5	15.8	<b>97.3</b>	1.1	1.6
When deciding on treatment plans, I consult with colleagues from other fields.	43.1	34.8	<b>77.9</b>	19.3	2.8
I am comfortable receiving feedback from team members.	74.7	23.1	<b>97.8</b>	2.2	0.0
The team includes everyone who supports patient/student care in my area, including clinicians, team members who provide administrative support, teachers, etc.	52.5	33.9	<b>86.4</b>	12.0	1.6
I feel included in my health care/school-based team.	47.8	41.8	<b>89.6</b>	8.2	2.2

\*This item was phrased as, “I take time to explain my role to colleagues” in previous surveys.

\*\* This item was phrased as, “I am consistent in sharing patient/student information” in previous surveys.  
 n ≥ 180.

SLPs in Health Care	Almost always	Most of the time	“Almost always” and “most of the time” (combined)	Less than half the time	Almost never
My colleagues from other fields treat me with respect.	68.1	28.8	<b>96.9</b>	3.1	0.0
I work with my team to make decisions based on consensus.	63.8	30.7	<b>94.5</b>	5.5	0.0
I accept ownership for resolving conflict with team members.	67.5	26.4	<b>93.9</b>	5.5	0.6
When I have a disagreement with a colleague, I ask questions in order to understand their perspective.	66.9	31.9	<b>98.8</b>	1.2	0.0
I take time to explain my roles and responsibilities to colleagues.*	53.4	31.9	<b>85.3</b>	12.9	1.8
Leadership is shared in team meetings.	37.9	42.9	<b>80.8</b>	16.8	2.5
When two team members can both perform a task, we make a decision about it.	63.2	31.3	<b>94.5</b>	4.9	0.6
I am consistent in sharing patient/student information with my colleagues.**	70.6	27.6	<b>98.2</b>	1.8	0.0
I willingly engage in shared decision-making.	80.6	17.5	<b>98.1</b>	1.9	0.0
The team talks together about our professional similarities and differences.	35.6	30.0	<b>65.6</b>	25.0	9.4
I trust decisions made by the interprofessional team.	58.4	40.4	<b>98.8</b>	1.2	0.0
Administrative duties that support the team, such as minute taking, are shared.	28.5	26.6	<b>55.1</b>	23.4	21.5
I acknowledge my team members’ qualities and skills regularly.	67.7	29.2	<b>96.9</b>	3.1	0.0
I involve patients/students/families in their treatment plans.	82.0	15.5	<b>97.5</b>	2.5	0.0
When deciding on treatment plans, I consult with colleagues from other fields.	36.0	38.5	<b>74.5</b>	23.0	2.5
I am comfortable receiving feedback from team members.	67.1	31.7	<b>98.8</b>	1.2	0.0
The team includes everyone who supports patient/student care in my area, including clinicians, team members who provide administrative support, teachers, etc.	53.8	35.0	<b>88.8</b>	8.8	2.5
I feel included in my health care/school-based team.	52.2	39.1	<b>91.3</b>	7.5	1.2

\*This item was phrased as, “I take time to explain my role to colleagues” in previous surveys.

\*\* This item was phrased as, “I am consistent in sharing patient/student information” in previous surveys.

n ≥ 158.

SLPs in Schools	Almost always	Most of the time	“Almost always” and “most of the time” (combined)	Less than half the time	Almost never
My colleagues from other fields treat me with respect.	68.9	27.5	<b>96.4</b>	2.5	1.1
I work with my team to make decisions based on consensus.	67.9	28.9	<b>96.8</b>	2.5	0.7
I accept ownership for resolving conflict with team members.	61.4	32.1	<b>93.5</b>	5.0	1.4
When I have a disagreement with a colleague, I ask questions in order to understand their perspective.	59.3	37.9	<b>97.2</b>	2.1	0.7
I take time to explain my roles and responsibilities to colleagues.*	43.6	40.7	<b>84.3</b>	12.9	2.9
Leadership is shared in team meetings.	43.7	38.7	<b>82.4</b>	15.4	2.2
When two team members can both perform a task, we make a decision about it.	57.9	38.6	<b>96.5</b>	2.9	0.7
I am consistent in sharing patient/student information with my colleagues.**	73.3	23.8	<b>97.1</b>	2.8	0.0
I willingly engage in shared decision-making.	82.1	15.7	<b>97.8</b>	2.1	0.0
The team talks together about our professional similarities and differences.	27.7	36.9	<b>64.6</b>	23.4	12.0
I trust decisions made by the interprofessional team.	51.3	45.1	<b>96.4</b>	3.3	0.4
Administrative duties that support the team, such as minute taking, are shared.	33.0	34.4	<b>67.4</b>	16.5	16.1
I acknowledge my team members’ qualities and skills regularly.	67.0	28.6	<b>95.6</b>	3.3	1.1
I involve patients/students/families in their treatment plans.	69.1	25.7	<b>94.8</b>	4.8	0.4
When deciding on treatment plans, I consult with colleagues from other fields.	44.1	37.9	<b>82.0</b>	16.5	1.5
I am comfortable receiving feedback from team members.	64.8	33.0	<b>97.8</b>	1.8	0.4
The team includes everyone who supports patient/student care in my area, including clinicians, team members who provide administrative support, teachers, etc.	60.4	32.6	<b>93.0</b>	5.5	1.5
I feel included in my health care/school-based team.	56.0	35.9	<b>91.9</b>	6.6	1.5

\*This item was phrased as, “I take time to explain my role to colleagues” in previous surveys.

\*\* This item was phrased as, “I am consistent in sharing patient/student information” in previous surveys.

n ≥ 272.

All Respondents	Almost always	Most of the time	“Almost always” and “most of the time” (combined)	Less than half the time	Almost never
My colleagues from other fields treat me with respect.	69.0	28.0	<b>97.0</b>	2.5	0.4
I work with my team to make decisions based on consensus.	68.0	27.5	<b>95.5</b>	4.1	0.4
I accept ownership for resolving conflict with team members.	63.2	30.9	<b>94.1</b>	4.1	1.8
When I have a disagreement with a colleague, I ask questions in order to understand their perspective.	62.4	34.7	<b>97.1</b>	2.5	0.4
I take time to explain my roles and responsibilities to colleagues.*	48.9	35.2	<b>84.1</b>	12.6	3.2
Leadership is shared in team meetings.	42.4	39.9	<b>82.3</b>	14.2	3.6
When two team members can both perform a task, we make a decision about it.	62.3	33.3	<b>95.6</b>	3.1	1.3
I am consistent in sharing patient/student information with my colleagues.**	72.0	25.7	<b>97.7</b>	2.1	0.3
I willingly engage in shared decision-making.	80.5	17.7	<b>98.2</b>	1.8	0.0
The team talks together about our professional similarities and differences.	31.5	32.7	<b>64.2</b>	24.6	11.2
I trust decisions made by the interprofessional team.	56.5	40.9	<b>97.4</b>	2.4	0.2
Administrative duties that support the team, such as minute taking, are shared.	32.6	32.9	<b>65.5</b>	16.5	18.0
I acknowledge my team members’ qualities and skills regularly.	68.2	27.8	<b>96.0</b>	3.3	0.6
I involve patients/students/families in their treatment plans.	77.4	19.1	<b>96.5</b>	2.9	0.6
When deciding on treatment plans, I consult with colleagues from other fields.	42.0	37.0	<b>79.0</b>	18.7	2.3
I am comfortable receiving feedback from team members.	68.1	30.0	<b>98.1</b>	1.7	0.2
The team includes everyone who supports patient/student care in my area, including clinicians, team members who provide administrative support, teachers, etc.	57.5	32.8	<b>90.3</b>	7.9	1.8
I feel included in my health care/school-based team.	53.6	37.8	<b>91.4</b>	7.1	1.5

\*This item was phrased as, “I take time to explain my role to colleagues” in previous surveys.

\*\* This item was phrased as, “I am consistent in sharing patient/student information” in previous surveys.

$n \geq 654$ .



In addition to examining the frequency of responses *across all respondents*, as shown in the above tables, the research team was also interested in exploring how a single individual responded to the self-assessment items. That is, we wanted to know how many respondents answered “Almost always” or “Most of the time” to all items in Question 7 for a given IPP experience.

Group	Audiologists		SLPs in Health Care		SLPs in Schools		All Respondents	
	#	%	#	%	#	%	#	%
Responded “Almost always” or “Most of the time” to all items in Q7	69	35.4	54	33.1	100	35.6	242	35.5
Did <u>not</u> respond “Almost always” or “Most of the time” to all items in Q7	126	64.6	109	66.9	181	64.4	440	64.5
Total # respondents	195	100.0	163	100.0	281	100.0	682	100.0

To allow a little latitude, we also examined how many respondents answered “Almost always” or “Most of the time” to at least 15 of the 18 items (approximately 80% of the IPP target behaviors) in Question 7.

Group	Audiologists		SLPs in Health Care		SLPs in Schools		All Respondents	
	#	%	#	%	#	%	#	%
Responded “Almost always” or “Most of the time” to at least 15 items in Q7	147	75.4	129	79.1	230	81.9	544	79.8
Did <u>not</u> respond “Almost always” or “Most of the time” to at least 15 items in Q7	48	24.6	34	20.9	51	18.1	138	20.2
Total # respondents	195	100.0	163	100.0	281	100.0	682	100.0

8. Select the other health care or education service professions that were part of your IPP team for which you based your responses to the previous question. (Check all that apply.)

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Applied behavior analysis	7.7	21.5	29.2	20.3
Audiology	67.4	10.8	17.9	29.6
Dentistry	5.0	10.8	1.1	4.7
Education (including regular education teachers, aides, assistants, or administrators)	54.7	21.5	82.8	57.7
Genetics	8.8	4.4	0.4	3.8
Medicine (including primary care or specialty care)	61.3	58.9	6.6	36.2
Music therapy	3.3	7.6	4.0	4.6
Nursing (including clinical or school nursing)	30.9	51.3	28.8	35.3
Nutrition/dietetics	3.3	46.8	1.5	14.7
Occupational therapy	32.6	90.5	85.8	72.4
Optometry	6.6	1.3	0.7	2.7

Orthodontics and/or prosthodontics	0.6	1.9	1.1	1.2
Pharmacy	2.8	8.9	0.4	3.5
Physical therapy	39.2	76.6	64.6	61.5
Psychology (including clinical or school psychology)	35.9	32.3	55.1	42.1
Public/community health	3.3	1.3	2.6	2.9
Radiology	3.9	19.6	0.4	6.3
Reading (including reading specialists)	12.7	3.2	23.7	14.4
Social work	22.7	46.2	37.6	36.5
Special education (including special education teachers, aides, assistants, or administrators)	39.2	21.5	91.2	56.9
Speech-language pathology	65.2	62.7	71.2	66.7
Surgery (including maxillofacial, oral, plastic)	24.3	15.2	2.6	11.9
Other (see below)	13.8	8.2	8.0	10.7

<sup>a</sup>n = 181. <sup>b</sup>n = 158. <sup>c</sup>n = 274. <sup>d</sup>n = 655.

Other responses included the following:

- Audiologists—Developmental/behavioral pediatrics; diagnostician; ENT (3 responses); government counselors for vocational rehabilitation; hearing aid technician; intervention specialists; neurology (2 responses); neurotology; oncology; oncology and infectious disease; otolaryngology (3 responses); otology; PA; parent advisors/parent-to-parent support providers, service coordinators, interpreters, ENTs; rehabilitation counselor; teacher of the deaf/HOH (3 responses); teachers of the blind/visually impaired, teachers of physical and other health disabilities, autism specialists; third party non-insurance contractor contracts
- SLPs in Health Care—Activities department; administration, director of risk management; case management (2 responses); case worker and parent; client’s family; recreation therapy; recreation therapy, child life specialist; recreational activities; respiratory therapy (2 responses); the individual receiving services and her spouse were also included because it’s ultimately their time, resources and treatment; university professors; vocational rehab
- SLPs in Schools—AAC, behavioral specialist; adaptive physical education; administrative support staff; administrators (2 responses); assistive technology specialists; behavior resource specialist; behavior specialist (not ABA) (2 responses); counseling, ELL specialist/interpreters; deaf-blind specialists and vision specialists; diagnostician; educational diagnostician; infant learning providers who provide Part B services; neurologist; school counselor; school psychologist; school-based vision therapists, deaf education teachers and deaf interpreters, adapted physical educators; teacher of the deaf; teacher of the deaf, sign skills coach, vision therapy, behavior therapy; TVI; vision specialist
- All Respondents—Assisted living resident care director; developmental specialists; developmental therapist (2 responses); ENT; ENT, pediatrician; GI, neuro, cardiology; LPC; parent advisors/parent-to-parent support providers, service coordinators, interpreters, ENTs; service coordinator; VI, OMI, parents, counseling, patients

## IPP Culture

9. Are you satisfied with the degree of collaboration on your IPP team(s)?

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Yes	85.1	71.3	81.8	80.5
No	11.6	19.4	10.2	12.8
I don't know	3.3	9.4	8.0	6.7

<sup>a</sup>n = 181. <sup>b</sup>n = 160. <sup>c</sup>n = 274. <sup>d</sup>n = 657.

10. What are some of the barriers that you have encountered relative to engaging in IPP at your facility/school?  
(Check all that apply.)

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
High workload/caseload	40.5	44.8	70.1	53.0
I don't know what IPP "looks" like in my current setting	12.0	2.9	2.8	5.8
Lack of collaboration by other service providers in my setting	19.8	18.6	21.5	19.9
Lack of training in IPP	12.0	12.8	13.9	12.6
Limited support from administration	15.7	17.4	24.7	19.5
Limited time for collaboration	55.8	66.9	79.2	67.7
Limited understanding of my role	21.9	21.5	24.3	22.0
No clinical need	13.2	2.3	2.1	5.9
Other health care or education service providers are not co-located in my setting to easily facilitate collaboration	40.9	26.7	27.8	33.0
Productivity or billing practices don't support	24.4	54.1	15.3	28.2
Scope of practice infringement	7.0	7.6	6.6	6.8
Other (Specify.)	2.9	8.7	8.7	6.7

<sup>a</sup>n = 242. <sup>b</sup>n = 172. <sup>c</sup>n = 288. <sup>d</sup>n = 745.

11. How conducive is the culture to engage in IPP at your facility/school?

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Very conducive	35.3	41.4	40.4	39.9
Somewhat conducive	45.8	46.6	44.1	44.4
Not very conducive	14.1	9.8	12.1	12.2
Not at all conducive	4.8	2.3	3.4	3.5

<sup>a</sup>n = 249. <sup>b</sup>n = 174. <sup>c</sup>n = 297. <sup>d</sup>n = 764.

## IPP Preparedness

12. Have you had any formal education or training on IPP (academic or clinical coursework in IPP, professional development activity specifically on IPP, etc.)?

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Yes	31.7	39.4	40.7	37.9
No	68.3	60.6	59.3	62.1

<sup>a</sup>n = 249. <sup>b</sup>n = 175. <sup>c</sup>n = 297. <sup>d</sup>n = 763.

13. How have you acquired your skills/knowledge in the area of IPP? (Check all that apply.)

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
External professional development (e.g., conference or conference session, webinar, workshop)	22.7	13.3	20.8	20.1
In-service	7.4	9.5	14	10.9
IPE/IPP published literature	6.7	2.9	3.9	4.7
On-the-job	77.9	94.3	88.8	86.5
Self-taught	47.9	49.5	47.8	48.2

<sup>a</sup>n = 163. <sup>b</sup>n = 105. <sup>c</sup>n = 178. <sup>d</sup>n = 467.

14. How prepared do you feel you are to effectively participate on IPP teams?

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Very prepared	37.0	55.7	48.8	47.2
Somewhat prepared	44.3	40.2	44.4	42.8
Not very prepared	14.6	2.9	6.7	8.3
Not at all prepared	4.1	1.1	48.8	1.7

<sup>a</sup>n = 246. <sup>b</sup>n = 174. <sup>c</sup>n 297. <sup>d</sup>n = 759.

15. How prepared do you feel you are to lead an IPP team of multiple (health care or education) professionals?

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Very prepared	10.4	29.8	24.0	21.5
Somewhat prepared	39.4	46.8	45.9	43.9
Not very prepared	31.1	18.1	22.6	24.2
Not at all prepared	19.1	5.3	7.4	10.4

<sup>a</sup>n = 241. <sup>b</sup>n = 171. <sup>c</sup>n = 296. <sup>d</sup>n = 749.

16. What are the reasons you engage in IPP? (Check all that apply.)

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Advance professional skill set	33.2	47.4	38.7	39.9
Billing requirements	3.0	3.5	1.7	2.7
Caseload/workload management	21.3	29.2	39.7	30.8
Fewer preventable errors	23.8	33.3	22.6	25.8
Improved patient/client outcomes	83.0	93.0	91.4	88.9
Improved patient/client satisfaction	71.5	81.9	58.9	69.3
Improved quality of care	82.1	94.7	74.0	82.0
Improved relationships with other disciplines	67.2	75.4	72.9	71.5
Reduced clinical stress and burnout	7.7	29.2	26	21.1
Reduced health care costs	5.1	12.3	0.7	5.1
Other (Specify.)	7.7	2.9	3.1	5.0

<sup>a</sup>n = 235. <sup>b</sup>n = 171. <sup>c</sup>n = 292. <sup>d</sup>n = 740.

Question 6 was repeated at the end of the survey to determine any change in response as participants were made aware of the specific aspects of IPP while taking the survey.

17. This survey posed questions that may have changed the way that you think about IPP. Would you now say that you have engaged in interprofessional collaborative practice in your primary work setting in the past 12 months?\*

Response	Audiologists <sup>a</sup> (%)	SLPs in Health Care <sup>b</sup> (%)	SLPs in Schools <sup>c</sup> (%)	All Respondents <sup>d</sup> (%)
Yes	76.9	89.5	89.8	85.6
No	23.1	10.5	10.2	14.4

<sup>a</sup>n = 242. <sup>b</sup>n = 171. <sup>c</sup>n = 293. <sup>d</sup>n = 749.

\*Note: This question was worded as follows on the 2016 and 2017 surveys: “Given your ratings of IPP competencies in this survey, have you engaged in interprofessional collaborative practice in your primary work setting in the past 12 months?”

The following table presents the differences in “Yes” responses between Questions 6 and 17. Note that the number of respondents to Questions 6 and 17 differed, as some individuals dropped out of the survey before completing it in its entirety. There was little difference in responses. The largest change was for audiologists, with 4.2% more indicating at the end of the survey that they engaged in interprofessional collaborative practice (compared to the percentage indicating so at the beginning of the survey).

Response	Audiologists (%)	SLPs in Health Care (%)	SLPs in Schools (%)	All Respondents (%)
Question 6 = yes	72.7	90.8	90.7	84.8
Question 17 = yes	76.9	89.5	89.8	85.6
Difference (%) in response from start of survey to end of survey	4.2	-1.3	-0.9	0.8

Finally, the research team wanted to examine the individual responses to Question 7 by whether or not respondents had received any formal education or training on IPP (Question 12). The total number of respondents displayed in the following tables excludes those who did not respond “Almost always” or “Most of the time” to all items in Question 7 (top table in that question) or did not respond “Almost always” or “Most of the time” to at least 15 of the 18 items (83%) in Question 7 (bottom table in that question). In both cases, respondents who had not received formal education or training on IPP were more likely to rate either all 18 statements or 15 of the 18 statements as “Almost always” or “Most of the time.”

Responded “Almost always” or “Most of the time” **to all items** in Question 7.

Group	Audiologists		SLPs in Health Care		SLPs in Schools		All Respondents	
	#	%	#	%	#	%	#	%
Had formal education or training on IPP (Q12 = yes)	21	30.9	27	50.0	34	35.1	90	38.3
Did not have formal education or training on IPP (Q12 = no)	47	69.1	27	50.0	63	64.9	145	61.7
Total # of respondents	68		54		97		235	

Responded “Almost always” or “Most of the time” **to at least 15 of the 18 items (83%)** in Question 7.

Group	Audiologists		SLPs in Health Care		SLPs in Schools		All Respondents	
	#	%	#	%	#	%	#	%
Had formal education or training on IPP (Q12 = yes)	49	34.5	54	41.5	82	36.6	201	38.0
Did not have formal education or training on IPP (Q12= no)	93	65.5	76	58.5	142	63.4	328	62.0
Total # respondents	142		130		224		529	

Additional resources on ASHA’s IPP initiatives may be found at [Interprofessional Education/ Interprofessional Practice \(IPE/IPP\) \(asha.org\)](https://www.asha.org/interprofessional-education-practice).