

**Supplementary Table S1. Results of Levene test**

	<b>Levene Statistics</b>	<i>P</i> -value
<b>Question 1</b>	0.378	0.685
<b>Question 2</b>	0.011	0.989
<b>Question 3</b>	2.304	0.101
<b>Question 4</b>	2.821	0.061
<b>Question 5</b>	1.022	0.361
<b>Question 6</b>	3.404	0.034
<b>Question 7</b>	7.463	0.001
<b>Question 8</b>	1.148	0.318
<b>Question 9</b>	4.260	0.015
<b>Question 10</b>	2.719	0.067
<b>Question 11</b>	0.601	0.549
<b>Question 12</b>	1.729	0.179
<b>Question 13</b>	0.178	0.837
<b>Question 14</b>	2.447	0.088
<b>Question 15</b>	1.845	0.159
<b>Question 16</b>	1.056	0.349
<b>Question 17</b>	0.986	0.374
<b>Question 18</b>	3.110	0.046
<b>Question 19</b>	0.092	0.912
<b>Question 20</b>	0.665	0.515

Supplementary Table S2: Exploratory factor analysis of the original survey used in this study.

<b>Item</b>	<b>Factor 1 (Motivation) Loading</b>	<b>Factor 2 (WTC) Loading</b>
1. I want to speak English with foreign visitors to Japan.	-0.79	-0.43
2. I want to speak English for traveling overseas.	-0.62	-0.45
3. I want to be part of the global community of people who can communicate in English.	-0.79	-0.42
4. I think knowing English can help me understand the world better.	-0.51	-0.50
5. I want to be good at English so I can read articles in international medical journals.	-0.75	-0.21
6. In the future, I want to publish my research in international medical journals.	-0.90	0.08

7.	In the future I want to make a presentation at an international conference in English.	-0.89	0.00
8.	In the future, I want to speak to foreign patients in English.	-0.83	-0.31
9.	In the future, I want to work in another country.	-0.95	-0.13
10.	In the future, I want to study abroad.	-0.91	-0.14
11.	In English class, I like to speak English in pairs.	-0.77	0.23
12.	In English class, I like to speak English in small groups.	-0.74	0.27
13.	In English class, I like to give presentations.	-0.85	0.47
14.	In English class, I like to raise my hand to answer the teacher's questions.	-0.72	0.53
15.	I like to talk to my English teacher after class.	-0.86	0.31
16.	I like to talk to international students on campus in English.	-1.03	0.16
17.	I like to participate in international events and activities offered by the university.	-1.01	0.15
18.	I like to interact in English on social media.	-0.94	0.13
19.	I like to help foreigners I meet outside of the university.	-0.82	-0.05
20.	I like to write English e-mails or texts.	-0.97	0.18

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