

**Table 1. Variance estimates for Producer Price Index Final Demand-Intermediate Demand indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2019**

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
<b>Final Demand</b>					
Final demand	FD4	0.26	0.14	1.75	0.26
Final demand goods	FD41	0.33	0.08	0.64	0.14
Final demand foods	FD411	0.38	0.22	1.98	0.32
Finished consumer foods	FD4111	0.37	0.22	2.08	0.33
Finished consumer foods, processed	FD41112	0.18	0.24	2.21	0.36
Finished consumer foods, crude	FD41113	4.90	0.00	3.90	0.00
Government purchased foods	FD4112	0.35	0.30	2.76	0.49
Foods for export	FD4113	0.89	0.19	2.91	0.33
Final demand energy	FD412	1.76	0.39	5.88	0.51
Finished consumer energy goods	FD4121	1.73	0.41	5.24	0.54
Government purchased energy	FD4122	1.28	0.71	6.69	0.86
Energy for export	FD4123	2.03	1.30	11.52	1.68
Final demand goods less foods and energy	FD413	0.09	0.04	1.23	0.17
Finished goods less foods and energy	FD4131	0.05	0.04	2.24	0.18
Finished consumer goods less foods and energy	FD41311	0.05	0.06	2.26	0.29
Nondurable consumer goods less foods and energy	FD413111	0.04	0.08	2.82	0.46
Durable consumer goods	FD413112	0.08	0.08	1.37	0.20
Private capital equipment	FD41312	0.05	0.05	2.23	0.13
Private capital equipment for manufacturing industries	FD413121	0.08	0.07	2.31	0.26
Private capital equipment for nonmanufacturing industries	FD413122	0.08	0.05	2.21	0.14
Government purchased goods, excluding foods and energy	FD4132	0.07	0.06	1.85	0.31
Government purchased goods excluding foods, energy, and capital equipment	FD41321	0.12	0.09	1.75	0.31
Government purchased capital equipment	FD41322	0.04	0.05	1.96	0.40
Goods for export, excluding foods and energy	FD4133	0.11	0.09	1.13	0.32
Final demand services	FD42	0.28	0.20	2.33	0.39
Final demand services less trade, transportation, and warehousing	FD421	0.20	0.13	2.12	0.24
Finished services less trade, transportation, and warehousing	FD4211	0.21	0.14	2.16	0.26
Finished consumer services less trade, transportation, and warehousing	FD42111	0.25	0.15	2.13	0.28
Private capital investment services less trade, transportation, and warehousing	FD42112	0.22	0.28	2.05	0.56
Government purchased services less trade, transportation, and warehousing	FD4212	0.16	0.15	1.55	0.41
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment	FD42121	0.14	0.15	1.53	0.42
Government purchased capital investment services less trade, transportation, and warehousing	FD42122	0.81	0.65	2.11	1.03
Services for export less trade, transportation, and warehousing	FD4213	0.28	0.25	2.29	0.43
Final demand transportation and warehousing services	FD422	0.66	0.28	2.99	0.60
Transportation of passengers for final demand	FD4221	1.91	0.69	4.15	1.19
Transportation of private passengers	FD42211	1.91	0.69	4.14	1.19
Transportation of government passengers	FD42212	1.90	0.68	4.13	1.18
Transportation of passengers for export	FD42213	1.93	0.70	4.16	1.20
Transportation and warehousing of goods for final demand	FD4222	0.12	0.28	2.30	0.72
Transportation and warehousing of finished goods	FD42221	0.12	0.31	2.23	0.79
Transportation and warehousing of personal consumption goods	FD422211	0.11	0.32	2.26	0.77
Transportation and warehousing of private capital equipment	FD422212	0.16	0.33	2.13	0.85
Transportation and warehousing of government purchased goods	FD42222	0.11	0.27	2.30	0.68
Transportation and warehousing of exports	FD42223	0.09	0.21	2.51	0.59
Final demand trade services	FD423	0.43	0.60	2.57	1.14
Trade of finished goods	FD4231	0.51	0.61	2.28	1.07
Trade of personal consumption goods	FD42311	0.44	0.50	2.50	0.92
Trade of private capital equipment	FD42312	0.68	1.64	1.78	2.92
Trade of government purchased goods	FD4232	0.70	0.90	3.48	2.11
Trade of government purchased goods, excluding capital equipment	FD42321	0.62	0.77	5.03	1.88
Trade of government purchased capital equipment	FD42322	0.84	1.98	2.05	3.47
Trade of exports	FD4233	0.48	0.88	4.42	2.04
Final demand construction	FD43	0.10	0.06	5.24	0.23
Construction for private capital investment	FD431	0.12	0.05	5.31	0.25
Construction for government	FD432	0.14	0.09	5.01	0.33
Final demand less exports	FD49101	0.28	0.14	1.86	0.26
Final demand less government	FD49102	0.25	0.14	1.79	0.27
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy	FD49103	0.23	0.15	2.23	0.30
Final demand less foods and energy	FD49104	0.23	0.15	2.22	0.29

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Final demand less foods and food and nonalcoholic beverages for immediate consumption	FD49105	0.30	0.15	1.71	0.28
Final demand less foods	FD49106	0.29	0.14	1.71	0.27
Final demand less energy	FD49107	0.18	0.14	2.16	0.27
Final demand less trade services	FD49108	0.23	0.07	1.47	0.13
Final demand less distributive services	FD49109	0.24	0.07	1.48	0.14
Final demand goods less energy	FD49111	0.08	0.06	1.42	0.14
Final demand goods less foods	FD49112	0.36	0.09	0.72	0.16
Final demand services less trade services	FD49113	0.25	0.12	2.20	0.22
Final demand distributive services	FD49114	0.35	0.51	2.75	0.95
Final demand goods plus final demand distributive services	FD49115	0.34	0.22	1.28	0.41
Final demand less foods, energy, and trade services	FD49116	0.19	0.08	2.03	0.15
Private and government purchased capital equipment	FD49117	0.06	0.04	2.20	0.15
Private and government purchased capital investment services	FD49118	0.39	0.78	1.69	1.38
Total private and government purchased capital investment	FD49119	0.31	0.37	2.22	0.66
Total finished	FD49201	0.27	0.15	1.90	0.27
Total finished less foods, food & nonalcoholic beverages for immediate consumption, & energy	FD49202	0.23	0.17	2.36	0.31
Total finished less foods and energy	FD49203	0.23	0.16	2.35	0.31
Total finished less foods and food and nonalcoholic beverages for immediate consumption	FD49204	0.31	0.16	1.89	0.29
Total finished less foods	FD49205	0.31	0.16	1.89	0.29
Total finished less energy	FD49206	0.23	0.16	2.33	0.29
Finished goods	FD49207	0.32	0.10	0.61	0.16
Finished goods less energy	FD49208	0.10	0.07	2.16	0.15
Finished goods, excluding foods	FD49209	0.42	0.12	0.59	0.19
Finished services	FD49210	0.28	0.20	2.29	0.38
Private capital investment services	FD49211	0.39	0.75	1.68	1.32
Finished distributive services	FD49212	0.43	0.52	2.48	0.92
Finished services less trade services	FD49213	0.27	0.13	2.21	0.24
Finished services less distributive services	FD49214	0.28	0.13	2.24	0.25
Total private capital investment (goods, services, and construction)	FD49215	0.32	0.38	2.12	0.68
Finished goods plus finished distributive services	FD49216	0.36	0.25	1.45	0.45
Total exports	FD49301	0.22	0.17	0.65	0.37
Goods for export	FD49302	0.20	0.08	1.10	0.27
Services for export	FD49303	0.39	0.39	3.44	0.91
Total government purchases	FD49401	0.27	0.13	1.37	0.28
Government purchased goods	FD49402	0.37	0.17	0.85	0.32
Government purchased services	FD49403	0.26	0.19	1.99	0.47
Total government purchased capital investment (goods, services, and construction)	FD49404	0.22	0.33	2.95	0.56
Personal consumption	FD49501	0.24	0.13	1.78	0.26
Personal consumption goods (finished consumer goods)	FD49502	0.42	0.13	0.76	0.21
Personal consumption goods less energy	FD49503	0.16	0.10	2.22	0.21
Personal consumption goods less foods	FD49504	0.62	0.17	1.23	0.27
Personal consumption services	FD49505	0.26	0.17	2.32	0.34
Personal consumption less trade services	FD49506	0.27	0.10	1.57	0.19
Personal consumption less distributive services	FD49507	0.28	0.11	1.51	0.19
Personal consumption nondurable goods less foods	FD49508	0.82	0.22	2.05	0.34
Personal consumption goods plus personal consumption distributive services	FD49509	0.32	0.23	1.36	0.42
Personal consumption less foods and energy	FD49510	0.24	0.15	2.33	0.30
Personal consumption less foods, energy, and trade services	FD49511	0.25	0.11	2.26	0.21
Personal consumption less foods, energy, and distributive services	FD49512	0.26	0.12	2.25	0.23
<b>Intermediate Demand by Commodity Type</b>					
Processed goods for intermediate demand	ID61	0.23	0.12	2.01	0.26
Materials and components for manufacturing	ID611	0.28	0.16	2.34	0.43
Materials for manufacturing	ID6111	0.51	0.26	4.09	0.66
Materials for food manufacturing	ID61111	0.19	0.32	1.09	0.57
Materials for nondurable manufacturing	ID61112	0.75	0.49	5.27	1.27
Materials for durable manufacturing	ID61113	0.55	0.20	4.83	0.70
Components for manufacturing	ID6112	0.04	0.05	1.16	0.23
Components for nondurable manufacturing	ID61121	0.09	0.14	0.59	0.52
Components for durable manufacturing	ID61122	0.04	0.05	1.18	0.23

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Materials and components for construction	ID612	0.17	0.13	1.02	0.30
Materials for construction	ID6121	0.13	0.14	0.71	0.35
Components for construction	ID6122	0.16	0.20	2.55	0.44
Processed fuels and lubricants for intermediate demand	ID613	1.66	0.52	6.33	0.76
Processed fuels and lubricants to manufacturing industries	ID6131	0.53	0.64	4.88	1.01
Processed fuels and lubricants to nonmanufacturing industries	ID6132	1.59	0.61	7.33	0.84
Containers for intermediate demand	ID614	0.18	0.17	0.88	0.45
Supplies for intermediate demand	ID615	0.08	0.09	0.82	0.22
Supplies to manufacturing industries	ID6151	0.16	0.13	1.41	0.50
Supplies to nonmanufacturing industries	ID6152	0.11	0.09	0.95	0.22
Supplies to nonmanufacturing industries, feeds	ID61521	0.49	0.38	4.89	1.22
Supplies to nonmanufacturing industries, other than feeds	ID61522	0.13	0.09	1.41	0.21
Unprocessed goods for intermediate demand	ID62	1.84	0.40	7.49	0.93
Unprocessed foodstuffs and feedstuffs	ID621	1.24	0.00	2.06	0.00
Unprocessed nonfood materials	ID622	2.63	0.65	12.71	1.43
Unprocessed nonfood materials except fuel	ID6221	3.09	0.51	10.64	1.41
Unprocessed nonfood materials except fuel to manufacturing industries	ID62211	3.23	0.53	11.21	1.47
Unprocessed nonfood materials except fuel to nonmanufacturing industries	ID62212	0.22	0.26	3.76	0.76
Unprocessed fuel	ID6222	3.71	1.64	19.58	3.17
Unprocessed fuel to manufacturing industries	ID62221	1.98	1.02	11.28	2.12
Unprocessed fuel to nonmanufacturing industries	ID62222	3.78	1.67	19.89	3.21
Services for intermediate demand	ID63	0.20	0.16	2.58	0.39
Services less trade, transportation, and warehousing for intermediate demand	ID631	0.21	0.13	2.09	0.30
Services less trade, transportation, and warehousing for manufacturing industries	ID6311	0.22	0.13	2.00	0.50
Services less trade, transportation, and warehousing for nonmanufacturing industries	ID6312	0.21	0.13	2.09	0.31
Transportation and warehousing services for intermediate demand	ID632	0.24	0.14	2.95	0.44
Transportation of passengers for intermediate demand	ID6321	1.89	0.68	4.13	1.18
Transportation of passengers for manufacturing industries	ID63211	1.93	0.70	4.16	1.20
Transportation of passengers for nonmanufacturing industries	ID63212	1.88	0.68	4.12	1.17
Transportation and warehousing of goods for intermediate demand	ID6322	0.16	0.14	2.77	0.48
Transportation of goods for manufacturing industries	ID63221	0.16	0.18	2.65	0.47
Transportation of goods for nonmanufacturing industries	ID63222	0.17	0.16	2.85	0.53
Trade services for intermediate demand	ID633	0.57	0.62	4.04	1.54
Trade services for manufacturing industries	ID6331	0.81	0.74	4.90	1.76
Trade services for nonmanufacturing industries	ID6332	0.63	0.58	3.44	1.56
Construction for intermediate demand	ID64	0.14	0.12	2.87	1.02
Processed materials less foods and feeds	ID69111	0.27	0.13	2.29	0.28
Processed foods and feeds	ID69112	0.14	0.26	1.36	0.48
Processed energy goods	ID69113	1.66	0.52	6.33	0.76
Processed materials less foods and energy	ID69115	0.23	0.10	1.80	0.30
Intermediate distributive services	ID69116	0.53	0.40	3.52	0.98
Processed goods plus intermediate distributive services	ID69117	0.19	0.15	1.22	0.32
Processed materials less energy	ID69118	0.17	0.10	1.42	0.27
Unprocessed materials less agricultural products	ID69211	2.63	0.70	13.26	1.55
Unprocessed energy materials	ID69212	3.25	0.95	15.91	1.94
Unprocessed materials less energy	ID69213	1.42	0.20	1.27	0.76
Nonfood materials ex. fuel for mfg, ex. selected items	ID69215	3.30	0.54	11.02	1.49
Unprocessed nonfood materials less energy	ID69216	1.14	0.50	4.89	2.09
<b>Intermediate Demand by Production Flow</b>					
Stage 4 intermediate demand	ID54	0.15	0.11	1.49	0.27
Inputs to stage 4 goods producers	ID541	0.13	0.16	1.40	0.45
Inputs to stage 4 goods producers, goods	ID5411	0.06	0.06	0.57	0.17
Inputs to stage 4 goods producers, foods	ID54111	0.95	0.15	0.75	0.32
Inputs to stage 4 goods producers, energy	ID54112	0.73	0.56	2.82	0.97
Inputs to stage 4 goods producers, goods excluding foods and energy	ID54113	0.11	0.06	0.64	0.20
Inputs to stage 4 goods producers, services	ID5412	0.53	0.59	5.18	1.74
Inputs to stage 4 goods producers, services less trade, transportation, and warehousing	ID54121	0.18	0.17	2.52	0.72
Inputs to stage 4 goods producers, transportation and warehousing services	ID54122	0.80	0.33	3.17	0.71
Inputs to stage 4 goods producers, transportation of passengers	ID541221	1.93	0.70	4.16	1.20

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Inputs to stage 4 goods producers, transportation and warehousing of goods	ID541222	0.17	0.35	2.24	0.93
Inputs to stage 4 goods producers, trade services	ID54123	0.68	0.73	5.85	2.19
Inputs to stage 4 services producers	ID542	0.23	0.13	2.15	0.30
Inputs to stage 4 services producers, goods	ID5421	0.35	0.12	1.13	0.22
Inputs to stage 4 services producers, foods	ID54211	0.43	0.37	2.28	0.55
Inputs to stage 4 services producers, energy	ID54212	1.13	0.41	2.57	0.67
Inputs to stage 4 services producers, goods excluding foods and energy	ID54213	0.09	0.07	1.41	0.22
Inputs to stage 4 services producers, services	ID5422	0.29	0.18	2.51	0.41
Inputs to stage 4 services producers, services less trade, transportation, and warehousing	ID54221	0.26	0.17	2.10	0.38
Inputs to stage 4 services producers, transportation and warehousing services	ID54222	0.41	0.23	2.57	0.58
Inputs to stage 4 services producers, transportation of passengers	ID542221	1.93	0.70	4.16	1.20
Inputs to stage 4 services producers, transportation and warehousing of goods	ID542222	0.15	0.22	2.18	0.65
Inputs to stage 4 services producers, trade services	ID54223	0.70	0.71	5.26	1.87
Inputs to stage 4 services producers, construction	ID5423	0.14	0.12	2.87	1.02
Inputs to stage 4 construction producers	ID543	0.56	0.18	0.99	0.38
Inputs to stage 4 construction producers, goods	ID5431	0.83	0.22	1.58	0.35
Inputs to stage 4 construction producers, energy	ID54312	4.70	1.46	12.09	1.73
Inputs to stage 4 construction producers, goods excluding foods and energy	ID54313	0.11	0.11	1.28	0.28
Inputs to stage 4 construction producers, services	ID5432	0.52	0.37	1.72	1.00
Inputs to stage 4 construction producers, services less trade, transportation, and warehousing	ID54321	0.18	0.16	1.88	0.55
Inputs to stage 4 construction producers, transportation and warehousing services	ID54322	0.26	0.33	2.29	0.87
Inputs to stage 4 construction producers, transportation of passengers	ID543221	1.69	0.60	3.96	1.04
Inputs to stage 4 construction producers, transportation and warehousing of goods	ID543222	0.16	0.35	2.17	0.92
Inputs to stage 4 construction producers, trade services	ID54323	0.95	0.69	2.28	1.84
Stage 3 intermediate demand	ID53	0.26	0.12	0.86	0.25
Inputs to stage 3 goods producers	ID531	0.56	0.16	1.09	0.40
Inputs to stage 3 goods producers, goods	ID5311	0.83	0.14	1.93	0.38
Inputs to stage 3 goods producers, foods	ID53111	1.89	0.03	2.84	0.06
Inputs to stage 3 goods producers, energy	ID53112	1.63	0.74	4.45	1.34
Inputs to stage 3 goods producers, goods excluding foods and energy	ID53113	0.38	0.19	2.95	0.55
Inputs to stage 3 goods producers, services	ID5312	0.71	0.58	4.34	1.45
Inputs to stage 3 goods producers, services less trade, transportation, and warehousing	ID53121	0.22	0.17	1.31	0.55
Inputs to stage 3 goods producers, transportation and warehousing services	ID53122	0.23	0.10	3.37	0.56
Inputs to stage 3 goods producers, transportation of passengers	ID531221	1.61	0.57	3.89	0.99
Inputs to stage 3 goods producers, transportation and warehousing of goods	ID531222	0.09	0.10	3.31	0.58
Inputs to stage 3 goods producers, trade services	ID53123	0.84	0.71	4.83	1.77
Inputs to stage 3 goods producers, construction	ID5313	0.14	0.12	2.87	1.02
Inputs to stage 3 services producers	ID532	0.42	0.16	0.33	0.29
Inputs to stage 3 services producers, goods	ID5321	2.00	0.52	6.30	0.63
Inputs to stage 3 services producers, foods	ID53211	0.94	0.29	3.04	0.50
Inputs to stage 3 services producers, energy	ID53212	2.86	0.76	9.08	0.89
Inputs to stage 3 services producers, goods excluding foods and energy	ID53213	0.06	0.09	0.71	0.80
Inputs to stage 3 services producers, services	ID5322	0.16	0.15	2.41	0.35
Inputs to stage 3 services producers, services less trade, transportation, and warehousing	ID53221	0.17	0.14	1.95	0.33
Inputs to stage 3 services producers, transportation and warehousing services	ID53222	0.22	0.20	2.77	0.58
Inputs to stage 3 services producers, transportation of passengers	ID532221	1.72	0.61	3.98	1.06
Inputs to stage 3 services producers, transportation and warehousing of goods	ID532222	0.22	0.20	2.76	0.59
Inputs to stage 3 services producers, trade services	ID53223	0.65	0.89	4.24	2.02
Inputs to stage 3 services producers, construction	ID5323	0.14	0.12	2.87	1.02
Inputs to stage 3 construction producers	ID533	2.57	0.98	5.82	1.31
Inputs to stage 3 construction producers, goods	ID5331	3.26	1.23	7.72	1.59
Inputs to stage 3 construction producers, energy	ID53312	5.29	1.99	13.43	2.41
Inputs to stage 3 construction producers, goods excluding foods and energy	ID53313	0.12	0.09	0.28	0.29
Inputs to stage 3 construction producers, services	ID5332	0.77	0.57	1.83	1.74
Inputs to stage 3 construction producers, services less trade, transportation, and warehousing	ID53321	0.20	0.22	0.51	0.92
Inputs to stage 3 construction producers, transportation and warehousing services	ID53322	1.93	0.70	4.16	1.20
Inputs to stage 3 construction producers, transportation of passengers	ID533221	1.93	0.70	4.16	1.20
Inputs to stage 3 construction producers, trade services	ID53323	0.86	0.63	2.05	1.92

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Stage 2 intermediate demand	ID52	0.55	0.17	2.91	0.38
Inputs to stage 2 goods producers	ID521	1.20	0.32	8.21	0.79
Inputs to stage 2 goods producers, goods	ID5211	1.45	0.37	9.90	0.91
Inputs to stage 2 goods producers, foods	ID52111	1.54	0.13	3.51	0.35
Inputs to stage 2 goods producers, energy	ID52112	3.48	0.96	17.37	1.99
Inputs to stage 2 goods producers, goods excluding foods and energy	ID52113	0.53	0.19	4.48	0.68
Inputs to stage 2 goods producers, services	ID5212	0.20	0.12	2.63	0.31
Inputs to stage 2 goods producers, services less trade, transportation, and warehousing	ID52121	0.21	0.19	2.16	0.41
Inputs to stage 2 goods producers, transportation and warehousing services	ID52122	0.22	0.13	2.85	0.41
Inputs to stage 2 goods producers, transportation of passengers	ID521221	1.81	0.65	4.06	1.12
Inputs to stage 2 goods producers, transportation and warehousing of goods	ID521222	0.15	0.13	2.76	0.44
Inputs to stage 2 goods producers, trade services	ID52123	0.93	0.69	4.04	1.63
Inputs to stage 2 goods producers, construction	ID5213	0.14	0.12	2.87	1.02
Inputs to stage 2 services producers	ID522	0.33	0.14	1.80	0.31
Inputs to stage 2 services producers, goods	ID5221	0.36	0.14	0.51	0.30
Inputs to stage 2 services producers, foods	ID52211	2.04	0.09	5.31	0.25
Inputs to stage 2 services producers, energy	ID52212	2.73	1.15	9.04	1.43
Inputs to stage 2 services producers, goods excluding foods and energy	ID52213	0.14	0.09	0.95	0.29
Inputs to stage 2 services producers, services	ID5222	0.36	0.16	1.93	0.35
Inputs to stage 2 services producers, services less trade, transportation, and warehousing	ID52221	0.37	0.18	1.77	0.39
Inputs to stage 2 services producers, transportation and warehousing services	ID52222	0.38	0.16	3.08	0.55
Inputs to stage 2 services producers, transportation of passengers	ID522221	1.90	0.68	4.14	1.18
Inputs to stage 2 services producers, transportation and warehousing of goods	ID522222	0.12	0.15	2.94	0.62
Inputs to stage 2 services producers, trade services	ID52223	1.17	0.83	1.54	2.94
Inputs to stage 2 services producers, construction	ID5223	0.14	0.12	2.87	1.02
Stage 1 intermediate demand	ID51	0.45	0.19	2.55	0.43
Inputs to stage 1 goods producers	ID511	0.59	0.28	5.49	0.72
Inputs to stage 1 goods producers, goods	ID5111	0.79	0.29	7.72	0.88
Inputs to stage 1 goods producers, foods	ID51111	1.34	0.18	2.89	0.55
Inputs to stage 1 goods producers, energy	ID51112	1.92	0.65	10.20	1.04
Inputs to stage 1 goods producers, goods excluding foods and energy	ID51113	0.89	0.37	7.83	1.17
Inputs to stage 1 goods producers, services	ID5112	0.50	0.72	3.18	1.44
Inputs to stage 1 goods producers, services less trade, transportation, and warehousing	ID51121	0.44	0.49	0.85	1.39
Inputs to stage 1 goods producers, transportation and warehousing services	ID51122	0.44	0.28	3.21	0.76
Inputs to stage 1 goods producers, transportation of passengers	ID511221	1.93	0.70	4.16	1.20
Inputs to stage 1 goods producers, transportation and warehousing of goods	ID511222	0.14	0.31	2.87	0.89
Inputs to stage 1 goods producers, trade services	ID51123	0.71	0.94	4.06	1.99
Inputs to stage 1 goods producers, construction	ID5113	0.14	0.12	2.87	1.02
Inputs to stage 1 services producers	ID512	0.43	0.23	1.44	0.36
Inputs to stage 1 services producers, goods	ID5121	1.44	0.59	3.73	0.75
Inputs to stage 1 services producers, foods	ID51211	1.22	1.04	16.18	5.50
Inputs to stage 1 services producers, energy	ID51212	2.69	1.15	8.28	1.41
Inputs to stage 1 services producers, goods excluding foods and energy	ID51213	0.07	0.09	0.51	0.36
Inputs to stage 1 services producers, services	ID5122	0.46	0.20	2.75	0.42
Inputs to stage 1 services producers, services less trade, transportation, and warehousing	ID51221	0.41	0.22	2.46	0.43
Inputs to stage 1 services producers, transportation and warehousing services	ID51222	1.28	0.45	3.06	0.80
Inputs to stage 1 services producers, transportation of passengers	ID512221	1.93	0.70	4.16	1.20
Inputs to stage 1 services producers, transportation and warehousing of goods	ID512222	0.29	0.36	1.44	0.70
Inputs to stage 1 services producers, trade services	ID51223	0.66	0.75	4.20	1.74
Inputs to stage 1 services producers, construction	ID5123	0.14	0.12	2.87	1.02
Inputs to stage 1 construction producers	ID513	0.40	0.18	0.82	0.51
Inputs to stage 1 construction producers, goods	ID5131	0.41	0.15	1.26	0.30
Inputs to stage 1 construction producers, energy	ID51312	4.03	1.05	9.01	1.32
Inputs to stage 1 construction producers, goods excluding foods and energy	ID51313	0.12	0.12	1.74	0.28
Inputs to stage 1 construction producers, services	ID5132	0.59	0.44	1.81	1.46
Inputs to stage 1 construction producers, services less trade, transportation, and warehousing	ID51321	0.15	0.16	1.72	0.62
Inputs to stage 1 construction producers, transportation and warehousing services	ID51322	0.72	0.37	4.74	1.26
Inputs to stage 1 construction producers, transportation of passengers	ID513221	1.93	0.70	4.16	1.20
Inputs to stage 1 construction producers, transportation and warehousing of goods	ID513222	0.52	0.43	4.69	1.66
Inputs to stage 1 construction producers, trade services	ID51323	0.84	0.60	1.87	2.00

**Table 1. Variance estimates for Producer Price Index Final Demand-Intermediate Demand indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2019**

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Total goods inputs to stage 4 intermediate demand	ID59411	0.21	0.09	0.54	0.16
Total services inputs to stage 4 intermediate demand	ID59412	0.31	0.21	2.92	0.51
Total construction inputs to stage 4 intermediate demand	ID59413	0.14	0.12	2.87	1.02
Total foods inputs to stage 4 intermediate demand	ID59414	0.43	0.26	1.51	0.38
Total energy goods inputs to stage 4 intermediate demand	ID59415	2.26	0.69	5.79	0.82
Total goods less foods and energy inputs to stage 4 intermediate demand	ID59416	0.07	0.05	0.81	0.16
Total goods inputs to stage 3 intermediate demand	ID59311	0.83	0.16	2.32	0.33
Total services inputs to stage 3 intermediate demand	ID59312	0.25	0.20	2.75	0.46
Total construction inputs to stage 3 intermediate demand	ID59313	0.14	0.12	2.87	1.02
Total foods inputs to stage 3 intermediate demand	ID59314	1.89	0.03	2.84	0.06
Total energy goods inputs to stage 3 intermediate demand	ID59315	2.39	0.60	8.71	0.79
Total goods less foods and energy inputs to stage 3 intermediate demand	ID59316	0.32	0.17	2.65	0.49
Total goods inputs to stage 2 intermediate demand	ID59211	1.31	0.33	8.92	0.82
Total services inputs to stage 2 intermediate demand	ID59212	0.32	0.15	1.97	0.32
Total construction inputs to stage 2 intermediate demand	ID59213	0.14	0.12	2.87	1.02
Total foods inputs to stage 2 intermediate demand	ID59214	1.55	0.13	3.58	0.35
Total energy goods inputs to stage 2 intermediate demand	ID59215	3.43	0.93	17.00	1.95
Total goods less foods and energy inputs to stage 2 intermediate demand	ID59216	0.40	0.16	3.76	0.56
Total goods inputs to stage 1 intermediate demand	ID59111	0.62	0.29	5.75	0.66
Total services inputs to stage 1 intermediate demand	ID59112	0.36	0.25	2.75	0.59
Total construction inputs to stage 1 intermediate demand	ID59117	0.14	0.12	2.87	1.02
Total foods inputs to stage 1 intermediate demand	ID59114	1.42	0.20	2.50	0.57
Total energy goods inputs to stage 1 intermediate demand	ID59115	2.25	0.87	8.66	1.10
Total goods less foods and energy inputs to stage 1 intermediate demand	ID59116	0.60	0.26	5.35	0.84

NOTE: Some indexes in this table, primarily PPIs that include data for agricultural products, to varying degrees are constructed using price information not directly sampled by PPI. Secondary source data, mainly from the U.S. Department of Agriculture, but also other sources, are considered a census of available price information. No sampling variability exists in those percent change estimates, so the standard error values are zero. The FD-ID index for Unprocessed Foodstuffs and Feedstuffs is constructed almost exclusively from non-sampled price data, and at certain levels of aggregation, other FD-ID indexes include both sampled and non-sampled data. For more information, refer to the section titled "PPI Sampling" in the methodology paper that accompanies this year's PPI variance publication.