

# ANNEX E

## REGRESSION ESTIMATES

**TABLE E.1 Effect of aid for trade on exports (excluding minerals and oil) of developing countries (page 1 of 2)**

*(1995 classification)*

Dependent variable Exports from country i (DEV95) to country j (ALL) in year t	(1) Gravity	(2) Extended gravity	(3) Aft	(4) AFT + no aid dummies
ln GDP <sub>i</sub>	0.353*** (0.017)	0.376*** (0.017)	0.368*** (0.017)	0.364*** (0.017)
ln GDP <sub>j</sub>	0.296*** (0.014)	0.337*** (0.014)	0.329*** (0.014)	0.329*** (0.014)
ln POP <sub>i</sub>	-0.762*** (0.067)	-0.467*** (0.064)	-0.555*** (0.065)	-0.535*** (0.067)
ln POP <sub>j</sub>	0.169*** (0.049)	0.396*** (0.047)	0.340*** (0.048)	0.339*** (0.048)
ln distance <sub>ij</sub>	-1.146*** (0.004)	-0.819*** (0.005)	-0.819*** (0.005)	-0.819*** (0.005)
Both landlocked		-0.623*** (0.025)	-0.622*** (0.025)	-0.622*** (0.025)
ln remoteness <sub>ij</sub>		0.597*** (0.057)	0.603*** (0.058)	0.604*** (0.058)
Common border		0.889*** (0.019)	0.889*** (0.019)	0.889*** (0.019)
Common coloniser		0.393*** (0.012)	0.393*** (0.012)	0.393*** (0.012)
Colonial relationship		0.783*** (0.028)	0.783*** (0.028)	0.783*** (0.028)
Common language		0.402*** (0.010)	0.402*** (0.010)	0.402*** (0.010)
Conflict <sub>i</sub>		-0.098*** (0.016)	-0.092*** (0.016)	-0.092*** (0.016)
Conflict <sub>j</sub>		-0.005 (0.018)	0.001 (0.018)	0.000 (0.018)
RTA dummy		0.611*** (0.011)	0.613*** (0.011)	0.613*** (0.011)

**TABLE E.1 Effect of aid for trade on exports (excluding minerals and oil) of developing countries** (page 2 of 2)

(1995 classification)

Dependent variable Exports from country i (DEV95) to country j (ALL) in year t	(1) Gravity	(2) Extended gravity	(3) AfT	(4) AFT + no aid dummies
<b>AfT received by i in t-3</b>			<b>0.028***</b> (0.003)	<b>0.030***</b> (0.003)
Zero AfT received by i in t-3				0.021 (0.019)
<b>AfT received by j in t-3</b>			<b>0.012***</b> (0.003)	<b>0.008**</b> (0.004)
Zero AfT received by j in t-3				-0.029* (0.017)
<b>Other ODA received by i</b>			<b>-0.016***</b> (0.004)	<b>-0.018***</b> (0.005)
Zero other ODA received by i				-0.033 (0.036)
<b>Other ODA received by j</b>			<b>0.020***</b> (0.004)	<b>0.014***</b> (0.005)
Zero other ODA received by j				-0.033 (0.024)
Importer and exporter fixed effects	Yes	Yes	Yes	Yes
Year fixed effects	Yes	Yes	Yes	Yes
Observations	142 448	142 448	142 448	142 448
R-squared	0.709	0.734	0.734	0.734

TABLE E.2 Effect of aid for trade on exports, by income group

Dependent variable Exports from country i (DEV95) to country j (ALL) in year t	<i>(1995 classification)</i>				
	(1) LIC95	(2) LMIC95	(3) IDA95	(4) LIC95 + LMIC95	(5) DEV95
<b>AfT received by i in t-3</b>	<b>0.055***</b> (0.007)	<b>0.022***</b> (0.005)	<b>0.052***</b> (0.006)	<b>0.035***</b> (0.004)	<b>0.030***</b> (0.003)
Zero AfT received by i in t-3	0.078 (0.062)	0.207*** (0.034)	0.172*** (0.039)	0.196*** (0.029)	0.021 (0.019)
<b>AfT received by j in t-3</b>	<b>0.009</b> (0.007)	<b>0.013**</b> (0.006)	<b>0.002</b> (0.006)	<b>0.009**</b> (0.005)	<b>0.008**</b> (0.004)
Zero AfT received by j in t-3	0.038 (0.032)	-0.085*** (0.026)	-0.056* (0.029)	-0.040* (0.021)	-0.029* (0.017)
<b>Other ODA received by i</b>	<b>-0.025*</b> (0.014)	<b>-0.036***</b> (0.009)	<b>-0.074***</b> (0.010)	<b>-0.042***</b> (0.008)	<b>-0.018***</b> (0.005)
Zero other ODA received by i	(dropped)	-0.167*** (0.056)	0.094 (0.145)	-0.132*** (0.049)	-0.033 (0.036)
<b>Other ODA received by j</b>	<b>0.005</b> (0.010)	<b>0.024***</b> (0.008)	<b>0.024***</b> (0.009)	<b>0.016**</b> (0.007)	<b>0.014***</b> (0.005)
Zero other ODA received by j	0.038 (0.050)	-0.050 (0.038)	-0.007 (0.043)	-0.022 (0.031)	-0.033 (0.024)
All control variables from Table E.1	Yes	Yes	Yes	Yes	Yes
Importer and exporter fixed effects	Yes	Yes	Yes	Yes	Yes
Year fixed effects	Yes	Yes	Yes	Yes	Yes
Observations	37 131	57 452	48 799	94 583	142 448
R-squared	0.668	0.758	0.687	0.722	0.734

TABLE E.3 Effect of each category of aid for trade on exports, by income group

(1995 classification)

Dependent variable Exports from country i (DEV95) to country j (ALL) in year t	(1) LIC95	(2) LMIC95	(3) IDA95	(4) LIC95 + LMIC95	(5) DEV95
AfT econ. infra. received by i in t-3	<b>0.023***</b> (0.006)	<b>0.017***</b> (0.004)	<b>0.016***</b> (0.005)	<b>0.021***</b> (0.003)	<b>0.016***</b> (0.003)
AfT prod. cap. received by i in t-3	<b>0.039***</b> (0.009)	<b>0.005</b> (0.006)	<b>0.033***</b> (0.007)	<b>0.016***</b> (0.005)	<b>0.021***</b> (0.004)
Other AfT received by i in t-3	<b>0.046***</b> (0.011)	<b>0.028***</b> (0.007)	<b>0.078***</b> (0.008)	<b>0.028***</b> (0.006)	<b>0.023***</b> (0.006)
Zero AfT received by i in t-3	0.049 (0.062)	0.189*** (0.033)	0.123*** (0.038)	0.173*** (0.029)	0.014 (0.018)
AfT received by j in t-3	<b>0.009</b> (0.007)	<b>0.013**</b> (0.006)	<b>0.002</b> (0.006)	<b>0.009**</b> (0.005)	<b>0.008**</b> (0.004)
Zero AfT received by j in t-3	0.039 (0.032)	-0.083*** (0.026)	-0.054* (0.028)	-0.039* (0.021)	-0.028* (0.017)
Other ODA received by i	<b>-0.025*</b> (0.014)	<b>-0.033***</b> (0.009)	<b>-0.059***</b> (0.010)	<b>-0.040***</b> (0.008)	<b>-0.018***</b> (0.005)
Zero other ODA received by i	(dropped)	-0.161*** (0.056)	0.107 (0.145)	-0.133*** (0.049)	-0.033 (0.036)
Other ODA received by j	<b>0.005</b> (0.010)	<b>0.023***</b> (0.008)	<b>0.023**</b> (0.009)	<b>0.016**</b> (0.007)	<b>0.014**</b> (0.005)
Zero other ODA received by j	0.038 (0.050)	-0.050 (0.038)	-0.008 (0.043)	-0.022 (0.031)	-0.033 (0.024)
All control variables from Table E.1	Yes	Yes	Yes	Yes	Yes
Importer and exporter fixed effects	Yes	Yes	Yes	Yes	Yes
Year fixed effects	Yes	Yes	Yes	Yes	Yes
Observations	37 131	57 452	48 799	94 583	142 448
R-squared	0.668	0.758	0.688	0.722	0.734

TABLE E.4 Effect of aid for trade on exports of parts and components of developing countries (page 1 of 2)

Dependent variable Intermediate exports from country i (DEV95) to country j (ALL) in year t	(1995 classification)			
	(1) Gravity	(2) Extended gravity	(3) AfT	(4) AfT + dummies
ln GDP_i	0.552*** (0.017)	0.571*** (0.017)	0.552*** (0.017)	0.547*** (0.017)
ln GDP_j	0.208*** (0.015)	0.270*** (0.015)	0.266*** (0.015)	0.262*** (0.015)
ln POP_i	-0.771*** (0.072)	-0.565*** (0.071)	-0.723*** (0.072)	-0.796*** (0.074)
ln POP_j	-0.060 (0.048)	0.133*** (0.047)	0.098** (0.049)	0.099** (0.049)
ln distance_ij	-0.750*** (0.004)	-0.590*** (0.006)	-0.589*** (0.006)	-0.590*** (0.006)
Both landlocked		-0.156*** (0.037)	-0.153*** (0.037)	-0.155*** (0.037)
ln remoteness ij		1.311*** (0.059)	1.297*** (0.059)	1.230*** (0.060)
Common border		0.336*** (0.017)	0.335*** (0.017)	0.335*** (0.017)
Common coloniser		0.365*** (0.014)	0.365*** (0.014)	0.366*** (0.014)
Colonial relationship		0.307*** (0.025)	0.307*** (0.025)	0.307*** (0.025)
Common language		0.203*** (0.011)	0.202*** (0.011)	0.202*** (0.011)
Conflict i		-0.070*** (0.016)	-0.058*** (0.016)	-0.053*** (0.016)
Conflict j		-0.008 (0.020)	-0.004 (0.021)	-0.001 (0.021)
RTA dummy		0.279*** (0.012)	0.283*** (0.012)	0.281*** (0.012)
<b>AfT received by i in t-3</b>			<b>0.035***</b> (0.003)	<b>0.036***</b> (0.004)
zero AfT received by i in t-3				0.002 (0.025)

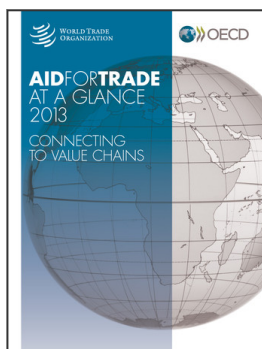
TABLE E.4 Effect of aid for trade on exports of parts and components of developing countries (page 2 of 2)

<i>(1995 classification)</i>				
Dependent variable Intermediate exports from country i (DEV95) to country j (ALL) in year t	(1) Gravity	(2) Extended gravity	(3) AfT	(4) AfT + dummies
<b>AfT received by j in t-3</b>			<b>0.007*</b> (0.004)	<b>0.016***</b> (0.004)
Zero AfT received by j in t-3				0.071*** (0.021)
<b>Other ODA received by i</b>			<b>-0.006</b> (0.004)	<b>0.025***</b> (0.005)
Zero Other ODA received by i				0.304*** (0.038)
<b>Other ODA received by j</b>			<b>0.001</b> (0.004)	<b>0.012**</b> (0.006)
Zero other ODA received by j				0.050 (0.031)
Country fixed effects	Yes	Yes	Yes	Yes
Year fixed effects	Yes	Yes	Yes	Yes
Observations	82 322	82 322	82 322	82 322
R-squared	0.580	0.596	0.597	0.597

TABLE E.5 Effects of aid for trade in good management situations on exports of developing countries by income group

*(using "government efficiency" proxy)*

Dependent variable Exports from country i (DEV95) to country j (ALL) in year t	(1) LIC95	(2) LMIC95	(3) IDA95	(4) LIC95 + LMIC95	(5) DEV95
<b>AfT received by i in t-3</b>	<b>-0.054**</b> (0.023)	<b>-0.017</b> (0.020)	<b>-0.082***</b> (0.021)	<b>-0.020</b> (0.015)	<b>0.016</b> (0.011)
<b>AfTi in t-3* gov. efficiency_i</b>	<b>0.245***</b> (0.053)	<b>0.077*</b> (0.042)	<b>0.300***</b> (0.047)	<b>0.113***</b> (0.032)	<b>0.023</b> (0.021)
Zero AfT received by i in t-3	0.043 (0.062)	0.178*** (0.034)	0.153*** (0.039)	0.161*** (0.029)	0.006 (0.019)
<b>AfT received by j in t-3</b>	<b>0.010</b> (0.007)	<b>0.013**</b> (0.006)	<b>0.002</b> (0.006)	<b>0.010**</b> (0.005)	<b>0.009**</b> (0.004)
Zero AfT received by j in t-3	0.044 (0.032)	-0.083*** (0.026)	-0.051* (0.028)	-0.037* (0.021)	-0.027 (0.017)
<b>Other ODA received by i</b>	<b>-0.118***</b> (0.021)	<b>-0.059***</b> (0.020)	<b>-0.113***</b> (0.017)	<b>-0.093***</b> (0.013)	<b>-0.075***</b> (0.010)
<b>ODAi * gov. efficiency_i</b>	<b>0.249***</b> (0.038)	<b>0.045</b> (0.036)	<b>0.083***</b> (0.032)	<b>0.118***</b> (0.024)	<b>0.121***</b> (0.016)
Zero other ODA received by i	(dropped)	-0.230*** (0.061)	-0.011 (0.145)	-0.233*** (0.051)	-0.090** (0.036)
<b>Other ODA received by j</b>	<b>0.005</b> (0.010)	<b>0.024***</b> (0.008)	<b>0.024***</b> (0.009)	<b>0.016**</b> (0.007)	<b>0.014***</b> (0.005)
Zero other ODA received by j	0.045 (0.050)	-0.049 (0.038)	-0.006 (0.043)	-0.019 (0.031)	-0.030 (0.024)
All controls from Table E.1	Yes	Yes	Yes	Yes	Yes
Importer and exporter fixed effects	Yes	Yes	Yes	Yes	Yes
Year fixed effects	Yes	Yes	Yes	Yes	Yes
Observations	37 131	57 452	48 799	94 583	142 448
R-squared	0.670	0.758	0.688	0.722	0.735



**From:**  
**Aid for Trade at a Glance 2013**  
Connecting to Value Chains

**Access the complete publication at:**  
[https://doi.org/10.1787/aid\\_glance-2013-en](https://doi.org/10.1787/aid_glance-2013-en)

**Please cite this chapter as:**

OECD/World Trade Organization (2013), "Regression Estimates", in *Aid for Trade at a Glance 2013: Connecting to Value Chains*, World Trade Organization, Geneva/OECD Publishing, Paris.

DOI: [https://doi.org/10.1787/aid\\_glance-2013-97-en](https://doi.org/10.1787/aid_glance-2013-97-en)

This work is published under the responsibility of the Secretary-General of the OECD. The opinions expressed and arguments employed herein do not necessarily reflect the official views of OECD member countries.

This document and any map included herein are without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries and to the name of any territory, city or area.

You can copy, download or print OECD content for your own use, and you can include excerpts from OECD publications, databases and multimedia products in your own documents, presentations, blogs, websites and teaching materials, provided that suitable acknowledgment of OECD as source and copyright owner is given. All requests for public or commercial use and translation rights should be submitted to [rights@oecd.org](mailto:rights@oecd.org). Requests for permission to photocopy portions of this material for public or commercial use shall be addressed directly to the Copyright Clearance Center (CCC) at [info@copyright.com](mailto:info@copyright.com) or the Centre français d'exploitation du droit de copie (CFC) at [contact@cfcopies.com](mailto:contact@cfcopies.com).