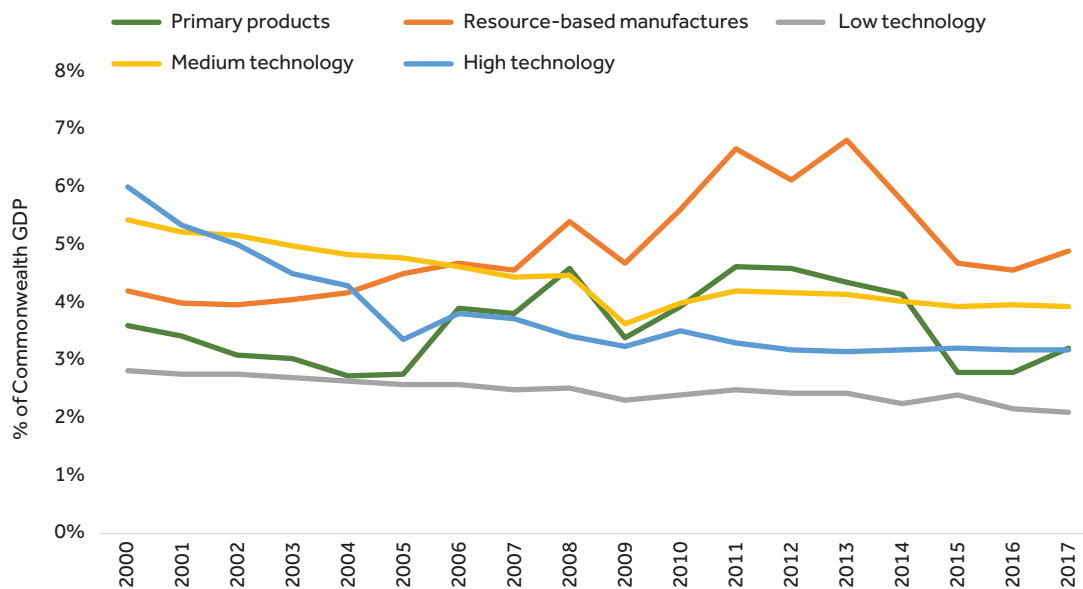




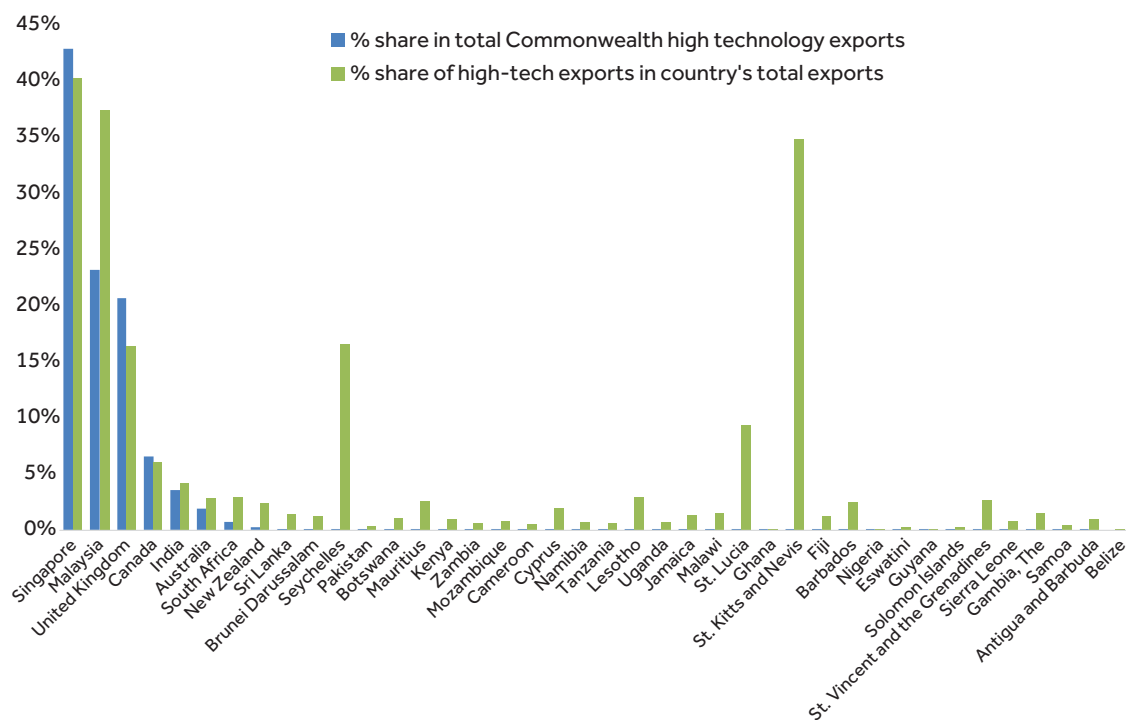
APPENDIX

Figure A1 Commonwealth Exports by Technological Category (as % of Commonwealth GDP)



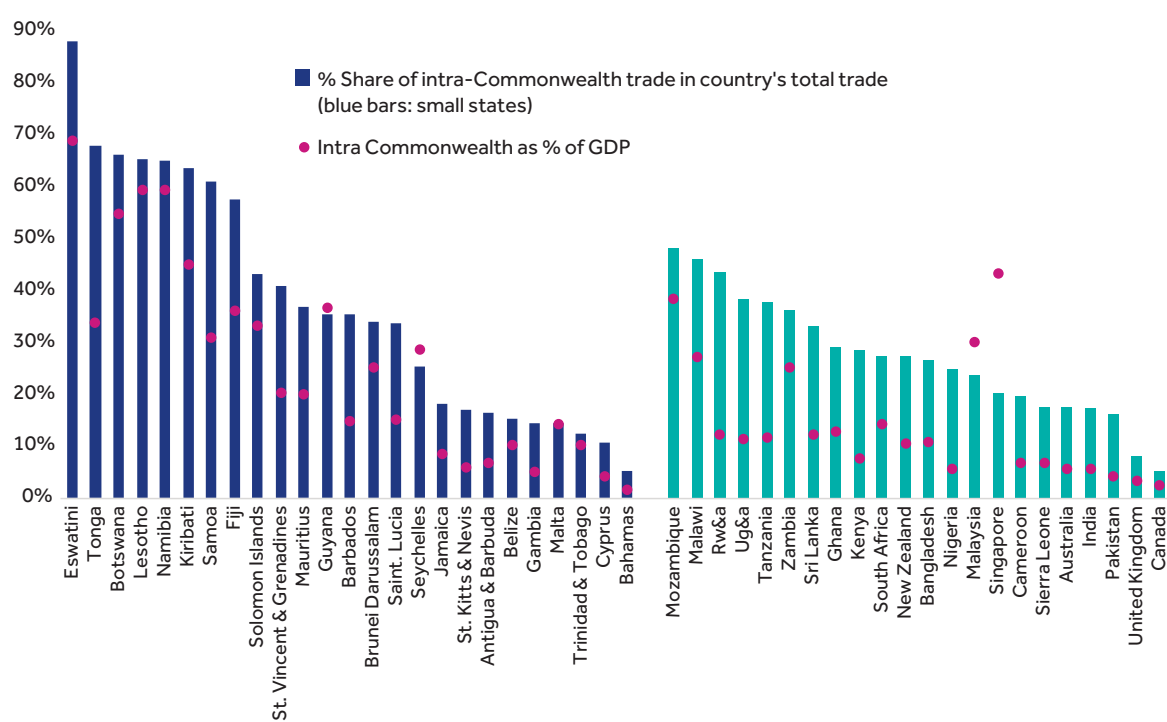
Source: Authors' calculations based on WITS and World Bank data.

Figure A2 Commonwealth High-Technology Exports, 2017



Source: Authors' calculations based on WITS data.

Figure A3 Intra Commonwealth Trade in Goods (2014-2018 average)



Source: Authors' calculations based on World Integrated Trade Solution data.

Note: Average excludes Dominica, Grenada, Nauru, Papua New Guinea, Tuvalu, and Vanuatu (nil data).

Table A1 Commonwealth countries' trade in digitalised products through electronic transmissions, 2017

Commonwealth country	Exports of digitalised products to Commonwealth members (US\$)	Commonwealth share of total digitalised product exports to the world (%)	Share of digitalised products in total goods exports to the world (%)	Imports of digitalised products from Commonwealth members (US\$)	Commonwealth share of total digitalised product imports from the world (%)
Antigua and Barbuda	42,332	43.0	0.2	1,488,709	35.9
Australia	215,105,532	49.1	0.2	340,284,745	22.1
Bahamas*	9,171	0.5	0.4	1,554,960	4.8
Bangladesh*	564,806	59.6	0.0	25,090,016	7.6
Barbados	1,181,623	78.4	0.3	4,248,173	33.0
Belize	125	0.0	0.1	1,591,719	24.6
Botswana	820,854	92.4	0.0	15,327,277	88.4
Brunei Darussalam	156,735	38.7	0.0	8,170,695	77.9
Cameroon	190	0.2	0.0	5,063,657	24.2
Canada	65,864,420	6.3	0.2	148,175,080	4.3
Cyprus	27,595	2.7	0.0	7,814,975	22.5
Dominica					
eSwatini	11,055,730	99.9	0.6	11,494,802	68.2
Fiji	2,024,921	96.5	0.2	12,000,617	83.2
Gambia	68,826	99.8	0.3	479,707	40.1
Ghana	6,741,272	71.6	0.1	267,887,497	93.6
Grenada					
Guyana	67,025	66.4	0.0	4,716,039	53.4
India	118,906,280	41.1	0.1	96,980,476	17.5
Jamaica	325,289	53.1	0.0	3,465,382	8.7

(Continued)

Table A1 Commonwealth countries' trade in digitalised products through electronic transmissions, 2017
(Continued)

Commonwealth country	Exports of digitalised products to Commonwealth members (US\$)	Commonwealth share of total digitalised product exports to the world (%)	Share of digitalised products in total goods exports to the world (%)	Imports of digitalised products from Commonwealth members (US\$)	Commonwealth share of total digitalised product imports from the world (%)
Kenya	21,947,586	36.0	1.1	18,089,598	21.4
Kiribati **	1,093	99.3	0.0	480,229	75.4
Lesotho	234,804	76.1	0.0	10,732,514	66.2
Malawi	151,138	24.4	0.1	173,028,950	83.7
Malaysia	175,713,874	32.1	0.3	106,864,333	25.8
Malta **	63,661,940	60.4	2.6	19,523,150	68.9
Mauritius	10,630,098	48.8	1.0	8,342,583	26.8
Mozambique	55,213,420	100.0	1.2	12,700,152	36.9
Namibia	1,680,680	87.3	0.0	32,558,012	84.5
Nauru					
New Zealand	39,474,243	82.8	0.1	194,944,843	55.2
Nigeria	–	–	–	48,910,829	41.0
Pakistan	1,483,778	31.2	0.0	25,380,999	28.5
Papua New Guinea					
Rwanda **	95,179	44.8	0.0	8,575,771	67.7
Samoa	23,770	57.2	0.1	6,265,501	91.0
Seychelles	16,954	61.6	0.0	4,289,728	70.5
Sierra Leone	7,266	15.0	0.0	1,834,746	35.5
Singapore	309,084,531	27.0	0.3	202,940,605	20.9
Solomon Islands	404	99.8	0.0	9,188,435	94.8
South Africa	82,633,012	72.8	0.1	288,022,019	43.4

(Continued)

Table A1 Commonwealth countries' trade in digitalised products through electronic transmissions, 2017
(Continued)

Commonwealth country	Exports of digitalised products to Commonwealth members (US\$)	Commonwealth share of total digitalised product exports to the world (%)	Share of digitalised products in total goods exports to the world (%)	Imports of digitalised products from Commonwealth members (US\$)	Commonwealth share of total digitalised product imports from the world (%)
Sri Lanka	16,051,361	32.5	0.4	23,116,774	36.1
St. Kitts and Nevis	2,371,386	58.8	12.1	1,071,340	34.1
St. Lucia	74,433	54.5	0.1	2,339,032	47.1
St. Vincent and the Grenadines	35,248	94.9	0.1	1,831,880	54.1
Tonga					
Trinidad and Tobago *	8,486,285	95.5	0.1	8,938,698	29.7
Tuvalu					
Uganda	230,449	15.1	0.1	12,600,385	49.5
United Kingdom	761,064,511	16.5	1.0	185,807,885	4.0
United Republic of Tanzania	1,319,102	79.1	0.0	12,429,830	48.3
Vanuatu					
Zambia	116,269,621	96.2	3.0	37,397,876	41.4

Source: Commonwealth Secretariat calculations using UN Comtrade data.

Notes: * 2015 data; ** 2016 data. Digitalised products traded through electronic transmissions are those included in the following HS categories: 37 (films), 49 (printed matter), 8524 (sounds, media and software) and 9504 (videogames). Data not available for Dominica, Grenada, Papua New Guinea, Tonga, Tuvalu and Vanuatu.

Table A2 Fixed effects regression results; dependent variable log (manufacturing labour productivity), 1991–2013

Sample	All	All	All	All	All	Commonwealth only
VARIABLES	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
L. log real wage	0.165** (0.0650)	0.141** (0.0602)	0.208*** (0.0523)	0.187*** (0.0606)	0.133** (0.0577)	0.221* (0.109)
Log IPR	0.0530* (0.0292)	0.0139 (0.0245)	0.0245 (0.0268)	0.0154 (0.0255)	−0.118* (0.0649)	−0.112* (0.0569)
Time trend	0.0203** (0.00834)	0.0198** (0.00798)	0.0235 (0.0153)	0.0342 (0.0207)	0.0161 (0.0160)	
Non-CW#log IPR		0.0556** (0.0277)	0.0491* (0.0277)	0.0505* (0.0279)		
Log K/L ratio			−0.0420 (0.160)	−0.0594 (0.172)	0.0461 (0.131)	0.222** (0.0937)
HCI				−0.453 (0.537)	−0.558 (0.523)	0.197 (0.407)
Import share				0.00287 (0.0027)	0.00383 (0.0025)	−0.00177 (0.00193)
HCI #log IPR					0.088** (0.0342)	0.0741* (0.0366)
GFCF_gdp						0.00644 (0.00399)
Constant	7.785*** (0.231)	7.864*** (0.215)	8.116*** (1.512)	9.132*** (2.220)	8.608*** (1.799)	5.051*** (0.861)
Observations	728	728	641	598	598	167
R-squared	0.303	0.317	0.348	0.314	0.347	0.591
Number countries	71	71	59	54	54	15

Notes: Only low- and middle-income countries are included in analysis. HCI is based on years of schooling and returns to education from Penn World Tables, 9.0. 'Non-CW' is a dummy variable for non-Commonwealth countries. 'GFCF_gdp' is gross fixed capital formation as a share in GDP.