National Economic Education Delegation



Vision

- One day, the public discussion of policy issues will be grounded in an accurate perception of the underlying economic principles and data.

Mission

- NEED unites the skills and knowledge of a vast network of professional economists to promote understanding of the economics of policy issues in the United States.

NEED Presentations

- Are **nonpartisan** and intended to reflect the consensus of the economics profession.



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Trade Effects of the Pandemic

Alan V. Deardorff **University of Michigan**

For presentation to Fellowship Forum October 6, 2020



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Effects of the Pandemic



Effects of the Pandemic

- On Economies, Including on Trade
- On Trade Policies



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Effects on Economies



- Trade plummets
- Travel halted
- Stock markets fall
- Factories shut down
- Shipping
- Supply chains interrupted
- Unemployment
- Reduced GDP
- Panic buying and shortages



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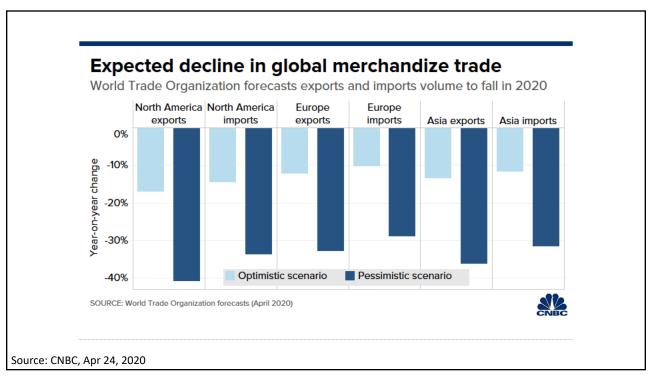


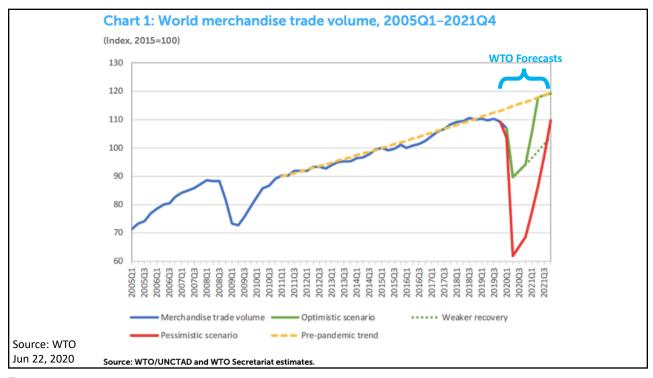
Trade

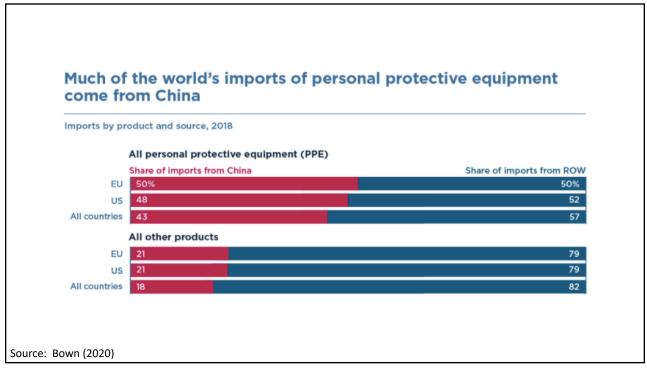


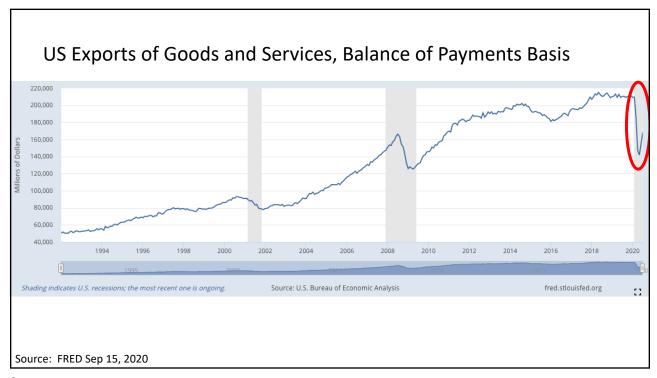
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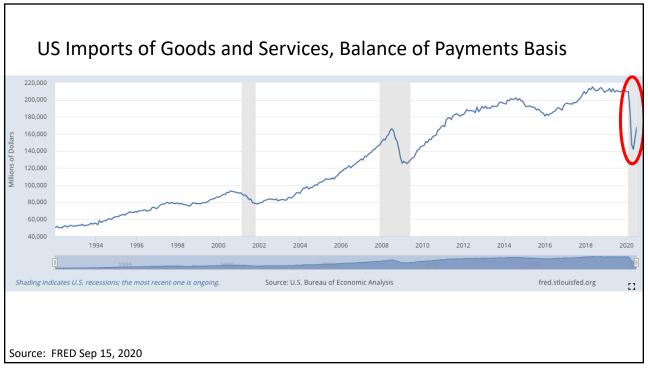


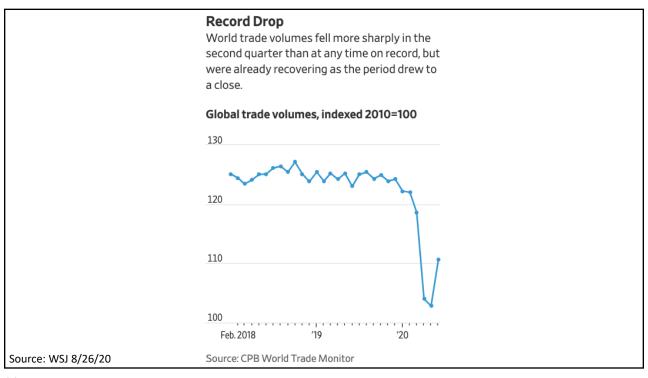




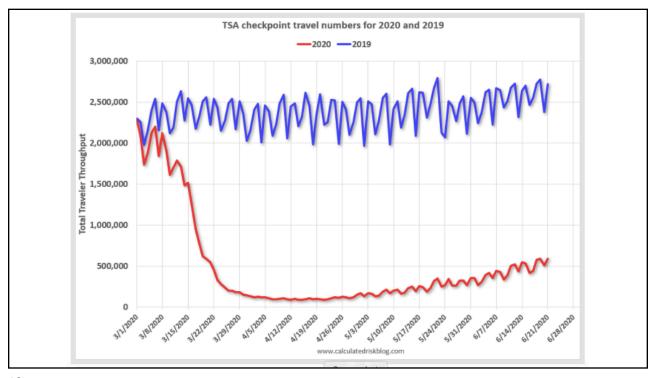


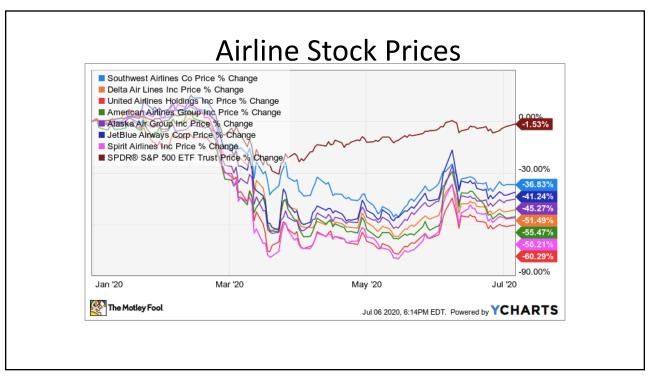


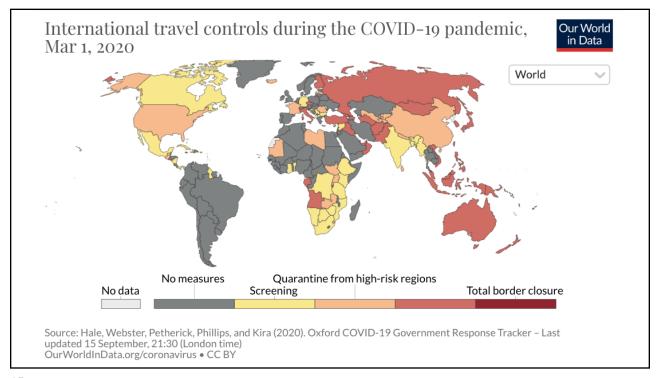


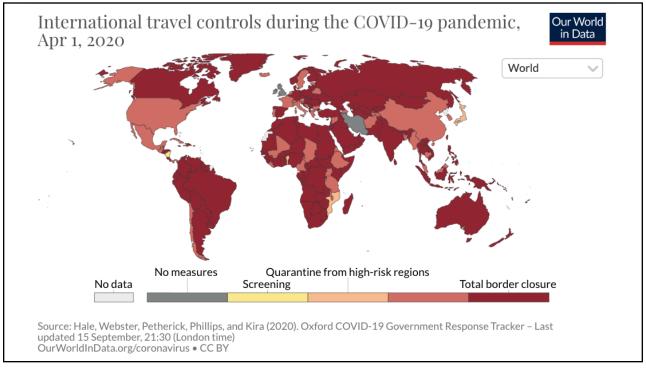


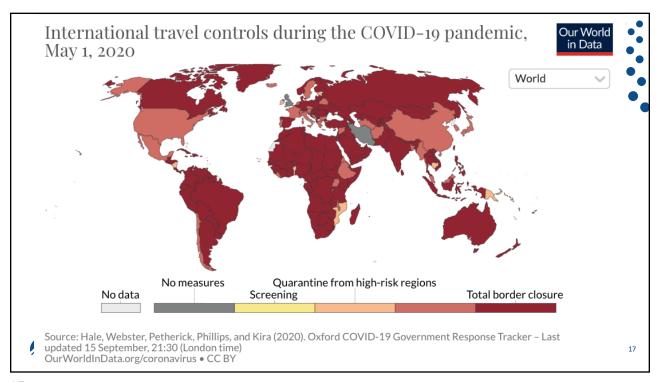


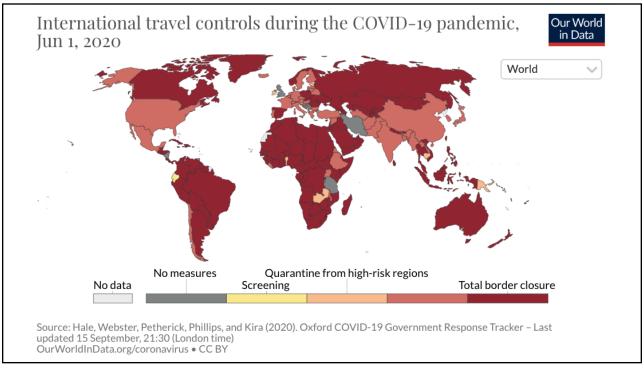


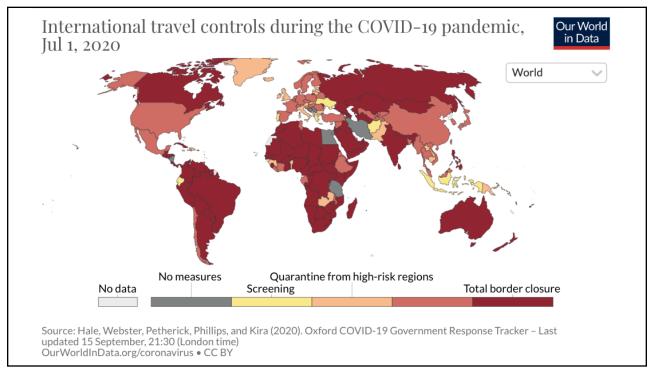


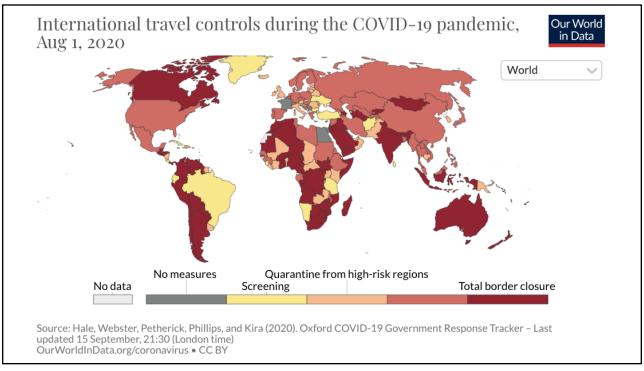


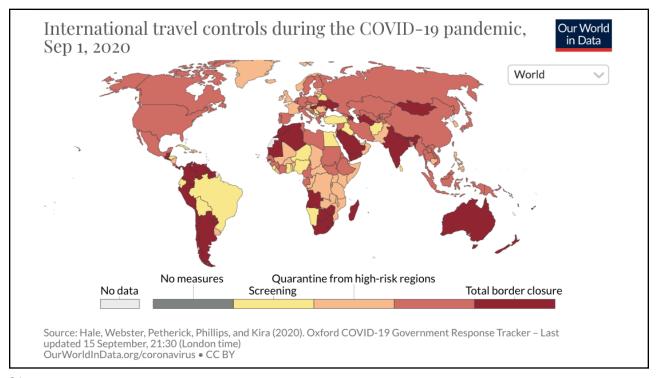


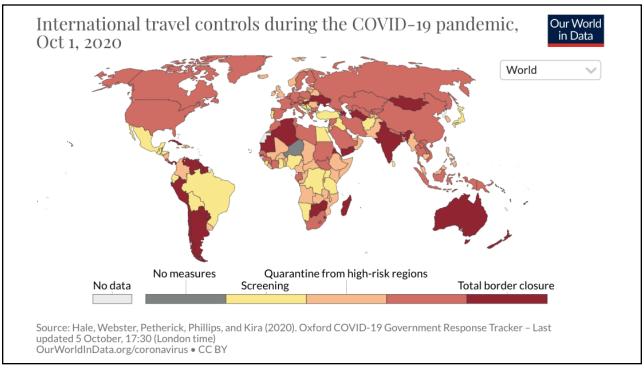




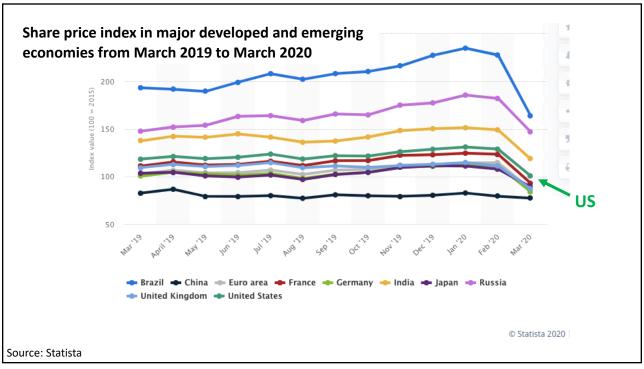


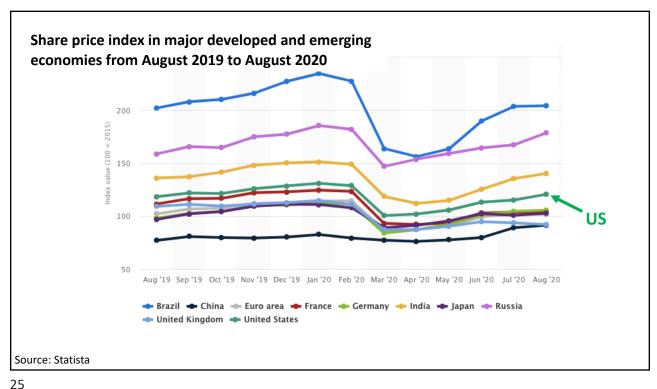


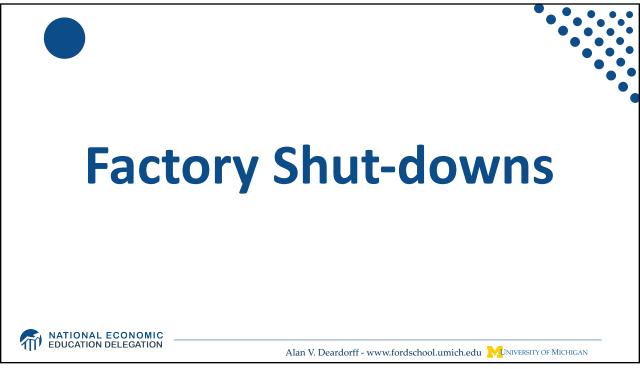


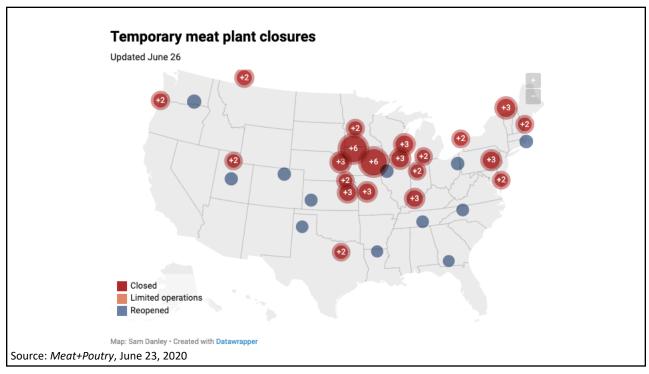


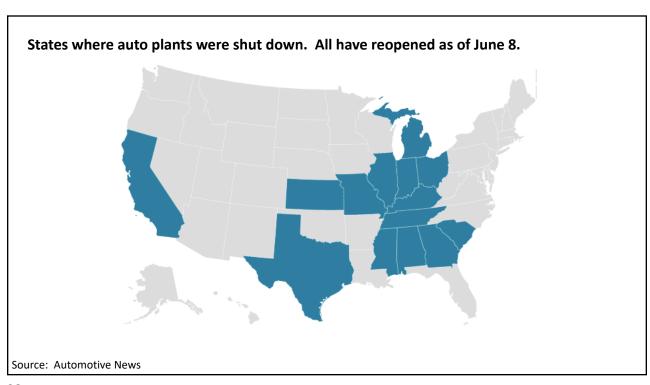


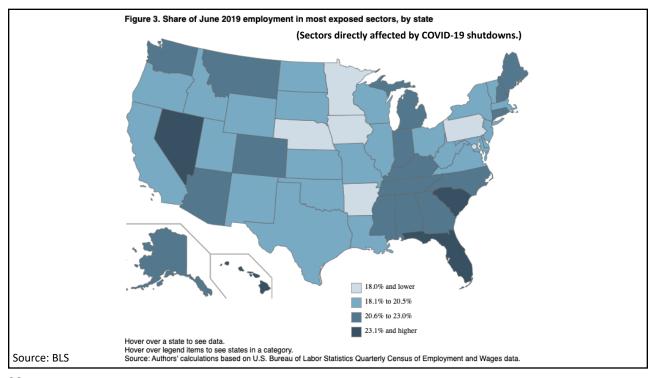


















Headlines on Shipping

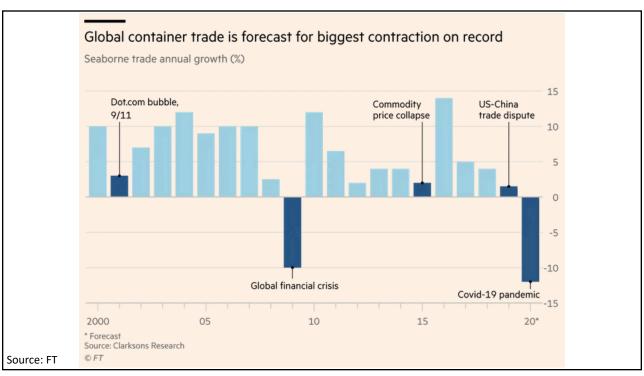
- Sep 14 NYT: Trapped by Pandemic, Ships' Crews Fight Exhaustion and Despair
- Sep 5 FT: Covid-19 restrictions threaten shipping lanes and
- Jun 7 FT: Shipping industry warns of trade logiam as crews remain stranded
- May 13 FT: Maersk warns of 25% drop in shipping as virus snarls trade
- Mar 6 WSJ: Coronavirus Snarls Trans-Pacific Shipping and Ripples Through U.S. Business
- Feb 28 NYT: Virus Disrupts China's Shipping, and World Ports Feel the Impact"

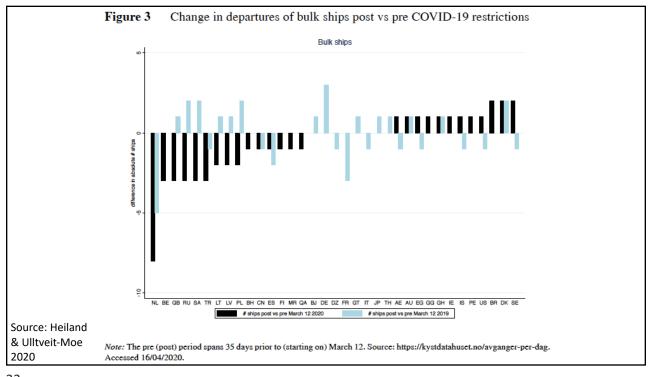


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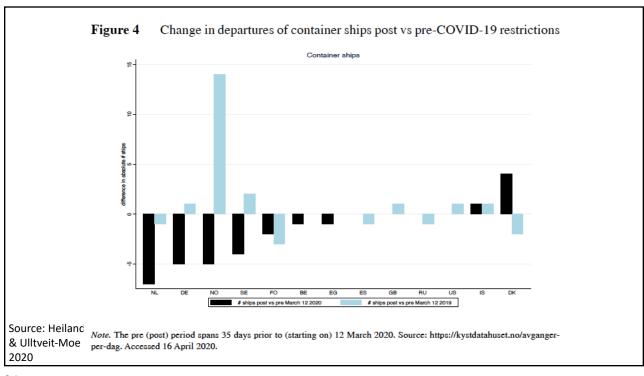


Table 2 The impact on COVID-19 on sea transportation Message is that all were negatively affected, and especially tankers.

	(1) All	(2) Container	(3) Other Cargo	(4) Tankers
[Date>Mar12] X [year=2020]	055*** (.010)	078* (.044)	033**	158***
Pseudo R^2	.98	.89	.98	.91
Observations	2590	290	1230	1070

Note: Results are based on a difference-in-difference model comparing the change in the number of departures occurring around 12 March across the years 2020, 2019, and 2018. The dependent variable is the number of departures per week by destination. The data spans five weeks before and five weeks after 12 March for each of the three years. The independent variable is an indicator for weeks after 12 March interacted with an indicator for the year 2020. The model is estimated with a Poisson Pseudo Maximum Likelihood estimator including week x ship-type and year x destination x ship-type fixed effects. Standard errors clustered by destination. ***, **, * indicate significance at the 1,5,10% level.

Source: Heiland & Ulltveit-Moe 2020

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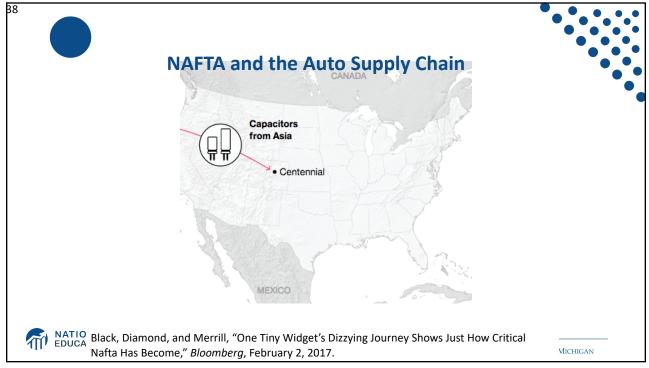
Table 3 The role of crew-change restrictions to seaborne trade in the COVID-19response

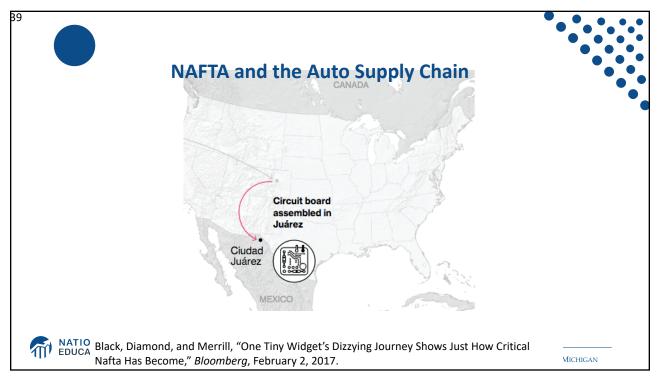
	(1)	(2)	(3)
	Container	Other Cargo	Tankers
[Date>Mar12] X [year=2020]			
X [no restrictions]	.066	036	083**
	(.374)	(.121)	(.035)
X [restrictions]	061**	031***	147***
	(0.029)	(.009)	(.046)
X [prohitibed]	198***	0.24	272***
	(.038)	(.068)	(.089)
Pseudo R^2	.89	.98	.91
Observations	290	1230	1070

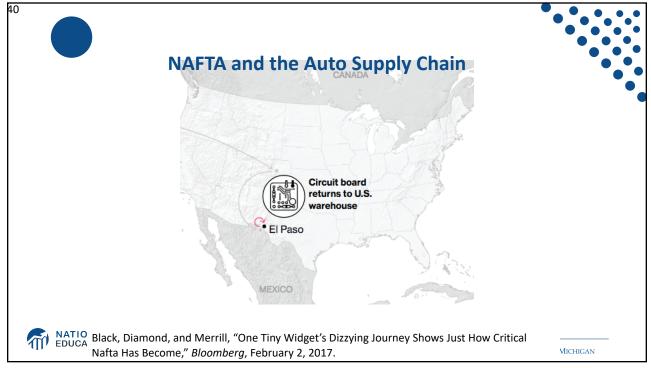
2020

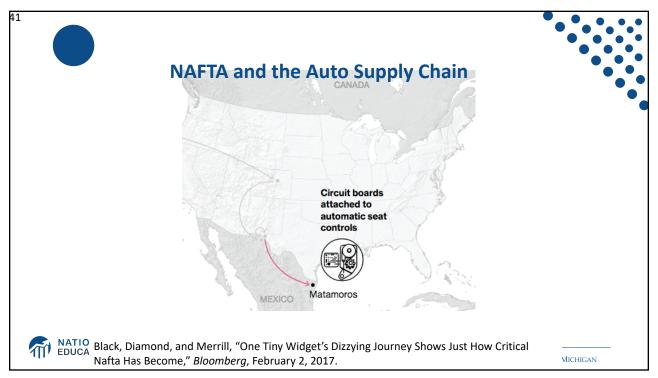
Notes: the results are based on a difference-in-difference model comparing the change in the number of departures occurring around 12 March across the years 2020, 2019, and 2018. The dependent variable is the number of departures per week by destination. The data spans five weeks before and five weeks after 12 March for each of the three years. The independent variable is an indicator for weeks after 12 March interacted with an indicator for the year 2020 and interacted with an Source: Heilanc indicator distinguishing between countries that have imposed no restrictions, some restrictions, or fully prohibited crew & Ulltveit-Moe changes at their ports. The model is estimated with a Poisson Pseudo Maximum Likelihood estimator including week and year x destination fixed effects. Standard errors clustered by destination. ***, ** indicate significance at the 1,5,10% level.

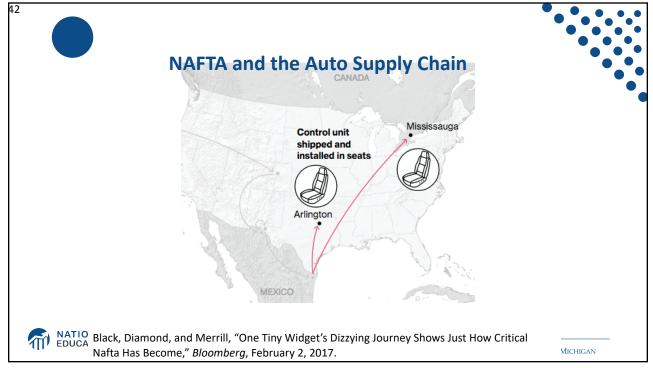


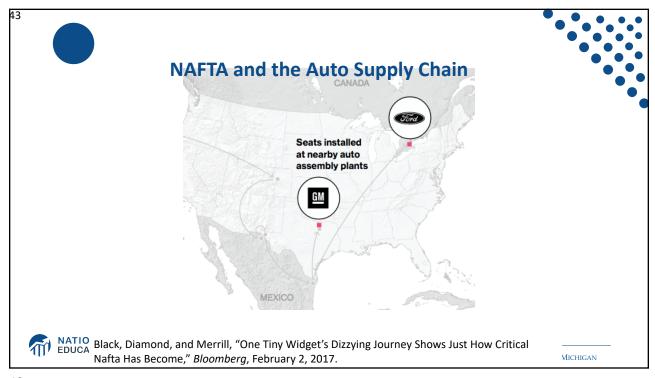




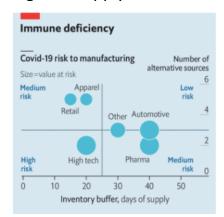








The new coronavirus could have a lasting impact on global supply chains





What sectors are most vulnerable?

Those with small inventories and few alternative sources.

Source: Economist Feb 15, 2020

Supply Chains

Quotes from News:

- Stranded crews pose a risk to supply chains (FT 9/28/20)
- Covid-19 has exposed the world's fragile, complex food supply chains (FT 9/24/20)
- Pandemic shows US must make vital products at home (Kevin McCarthy 8/23/20) [House Minority Leader]
- Covid-19 and other risks mean quarter of products could be sourced from new countries in 5 years (FT 8/8/20)
- Will coronavirus pandemic finally kill off global supply chains? (FT
- Steep Drop in Trade Flows Shows Pitfalls of Cross-Border Supply Chains (*WSJ* 5/26/20)
- Covid-19 crisis has laid bare weaknesses in supply chains (FT



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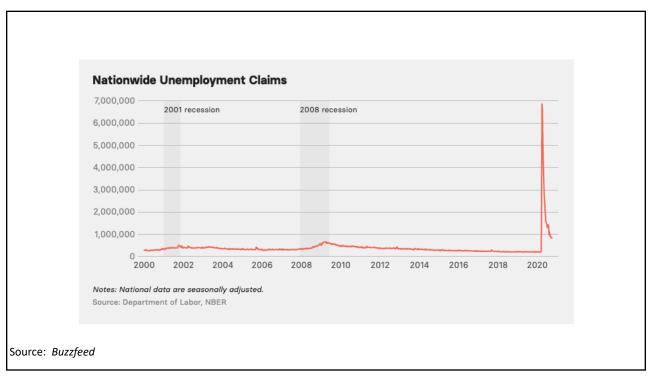


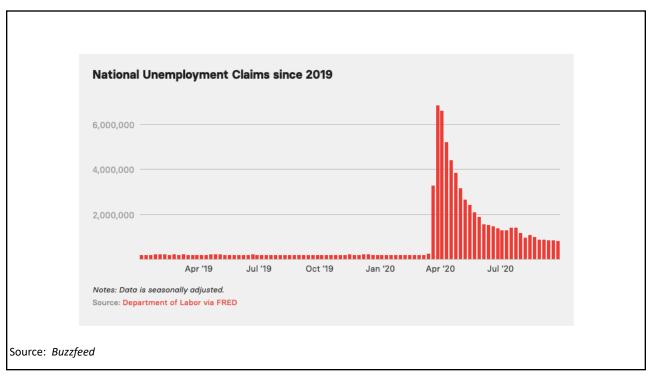


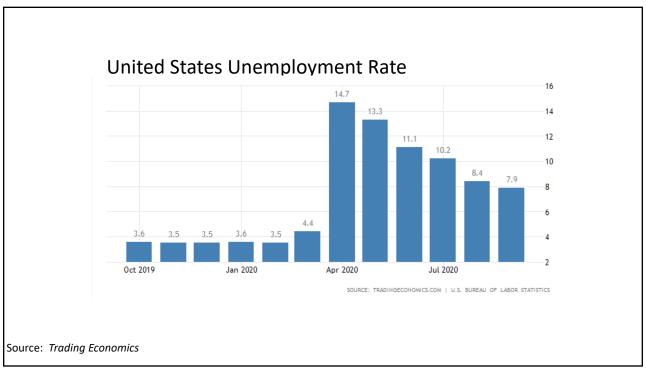


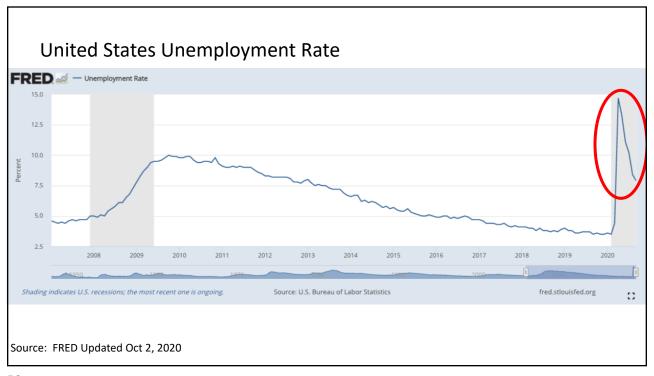
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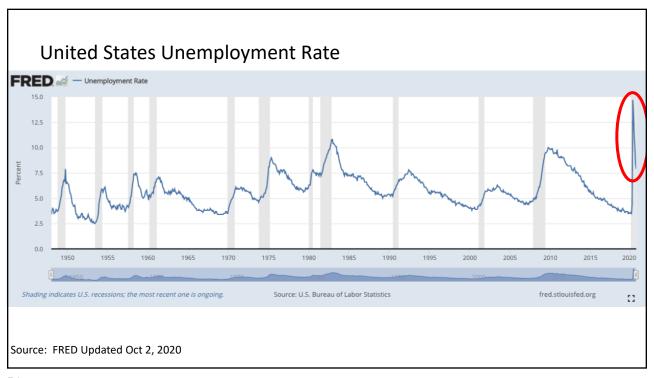




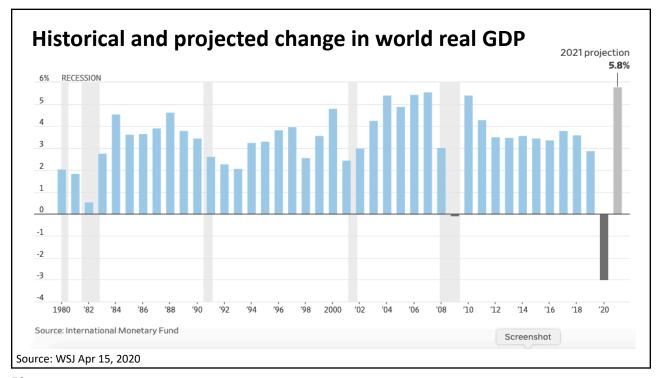


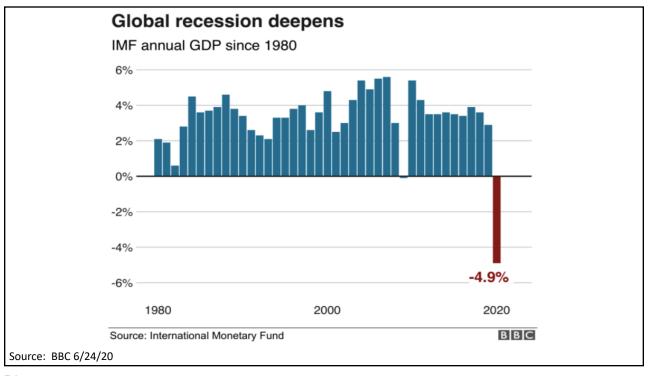


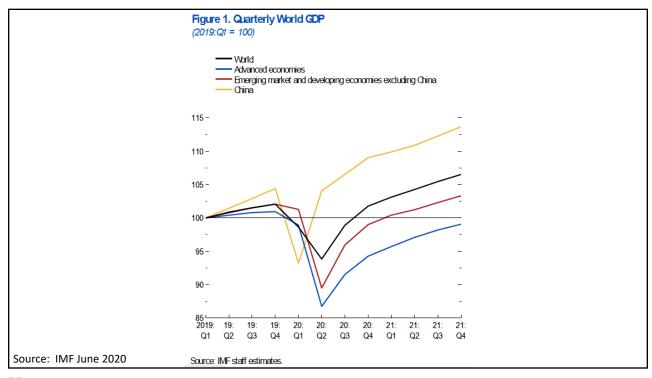


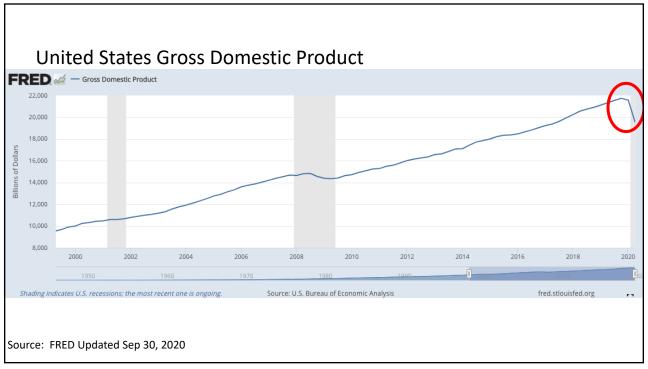
















Shortages



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- Personal protective equipment
- Medical devices
- Sanitizing products
- ICU beds
- Diagnostic tests and their ingredients



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Lock-down Related

- Toilet paper, paper towels
- Coins
- Condoms
- Meats
- Soft drinks (due to aluminum shortage)
- Appliances
- Lumber



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Source: Penn Today



The parts department at Village Ford in Dearborn, Michigan on Thursday, March 5, 2020. (Photo: Eric Seals, Detroit Free Press)

Source: Detroit Free Press

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- Effects of the Pandemic on Trade Policies
 - Export Policies
 - Import Policies



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Effects on Export Policies



Effects of the Pandemic on Export **Policies**

- Export bans on
 - Medical supplies
 - o Food



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Effects on Export Policies



Headlines on Export bans

- Apr 10, Bloomberg: Food Supply Fears Are Growing as Romania Bans Grain Exports
- Apr 8, WSJ: U.S. to **Restrict Mask, Glove Exports** for Four Months During Coronavirus Pandemic
- Apr 8, WP: As borders harden during pandemic, some countries look to hold on to their own food
- Apr 3, Reuters: Trade Restrictions on Food Exports Due to the Coronavirus Pandemic
- Mar 19, VOX^{EU}: Sickening thy neighbour: **Export restraints** on medical supplies during a pandemic



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Effects on Export Policies



Headlines on Export bans

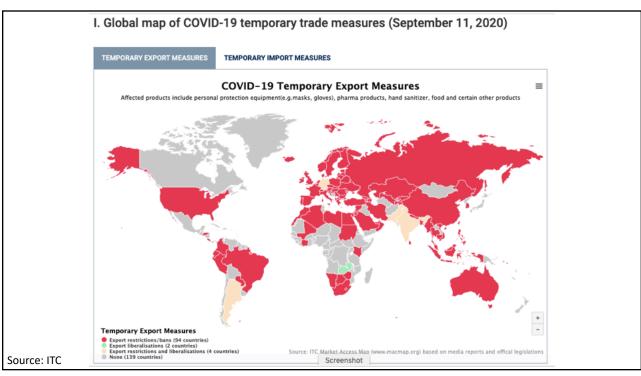
- Jun 24, NYT: Warren and Booker Press Meatpackers on **Exports** to China
- May 28, WSJ: 'Vaccine Nationalism': A New Dynamic in the Race to Quash Coronavirus
- Apr 11, WSJ: China Tightens Customs Checks for Medical **Equipment Exports**



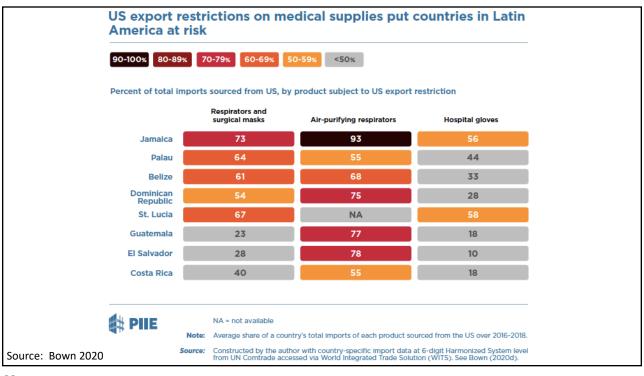
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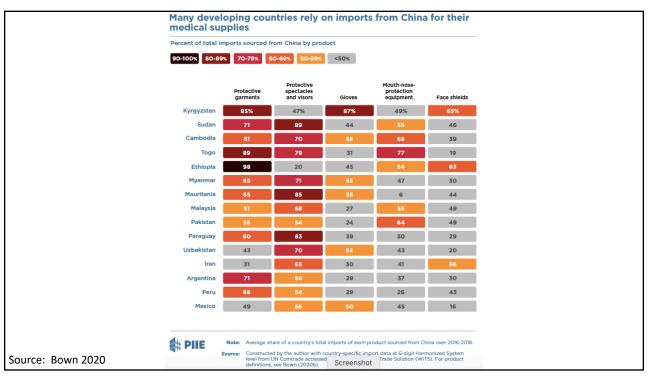


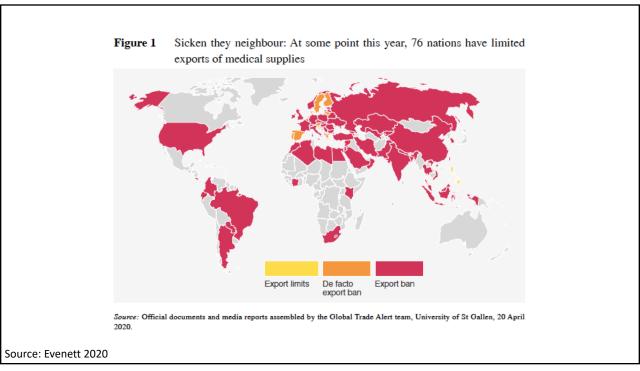
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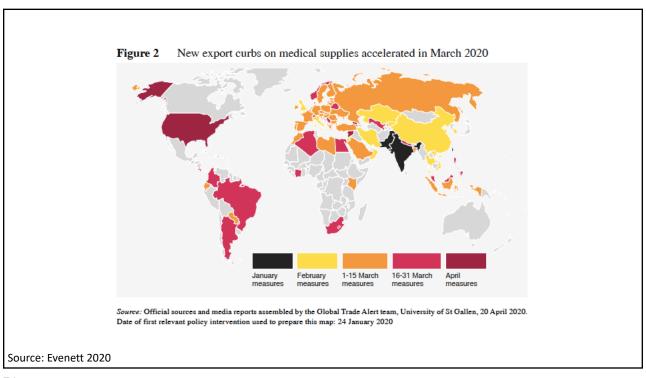


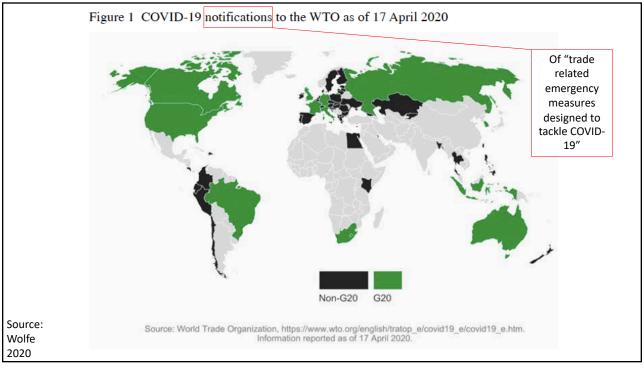
				on medica ern Africa,			
	90-100% 80-8	39% 70	0-79% 6	50-69%	<50%		
	Percent of total	imports	sourced fr	rom EU, by produ	ct subject to EU e	xport restriction	
		Face	shields	Mouth-nose- protection equipment	Protective spectacles and visors	Protective garments	Gloves
	Cape Verde		91%	87%	89%	75%	91%
	Tunisia		86	63	35	89	41
	Senegal		55	61	51	33	56
	Republic of the Congo		51	67	45	36	55
	Albania		77	74	12	58	14
	Niger		54	71	71	5	26
	Angola		63	29	62	29	42
	Macedonia		71	70	22	6	32
	Morocco		78	54	9	34	22
	Serbia		73	72	17	7	20
	# PIIE		EU = Europ	ean Union			
	* - 11-	Note:	Average sh	are of a country's tota	al imports of each pro	duct sourced from th	ne EU over 2016-2018
Source: Bown 2020		Source:	Constructe	d by the author with o	country-specific impo World Integrated Tra	rt data at 6-digit Hari	monized System leve

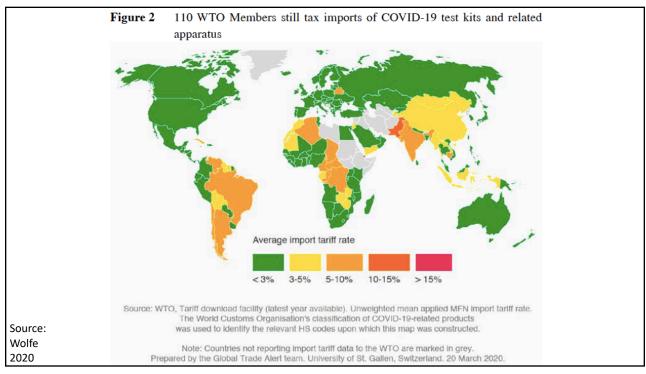


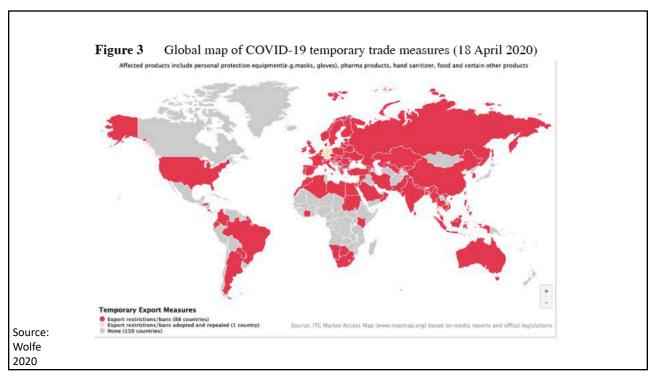




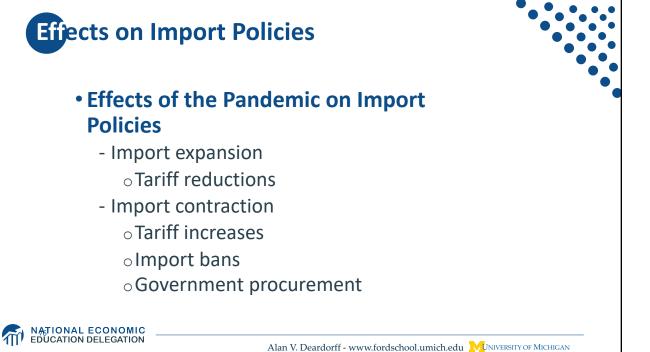








	nitiatives benefiting exporters announced as part of COVID-19 stimulus ackages (reported by the IMF)
Government	Initiative and, where available, additional funds committed
Angola	Central bank alters regulations on private banks to encourage lending to firms who advance export-promotion and import-substitution goals.
Austria	€9-billion fund for guarantees for firms, including exporters
Bangladesh	\$588 million to support trade finance at Bangladesh Bank; funding of Export Development Fund increased to \$5 billion
Egypt	Increased 'subsidy payout' to exporters
Finland	$\ensuremath{\mathfrak{C}}4.2$ billion more to the Export Credit Agency for lending and guarantees for SMEs
Germany	€100 billion for national development bank that also grants trade finance
Hungary	Three new export credit programmes introduced
India	Reserve Bank relaxed repatriation limits for exporters
Jordan	Certain activities of export-oriented industries, such as pharmaceuticals, potash, and phosphates, exempted from lockdown
Myanmar	Two percent advance income tax on exports waived until the end of the fiscal year
Pakistan	Accelerated tax refunds to export industries (outlay approximately \$600 million)
Spain	Up to $\ensuremath{\mathfrak{c}}$ 2 billion for guarantees to exporters given by the Spanish Export Insurance Credit Agency.
Sweden	Expansion of the credit guarantee framework of the Export Credit Agency
Turkey	Three new distinct programmes for exporters
Zambia	Export duties on metals suspended
	I Monetary Fund, "Policy responses to CO" Screenshot in 19 April 2020.



Effects on Import Policies



Headlines on Import Expansion

- Apr 20 FT: Trump exempts virus-hit US businesses from import tariffs
- Apr 13 WSJ: U.S. Tariffs Hamper Imports of Sanitizer, Disinfectants, Some Companies Say
- Apr 2 NYT: Trump Rebuffs Demands to **Lift Tariffs** as Economy Falters
- Mar 31 FT: Trump to suspend some tariffs for 90 days
- Mar 26 WSJ: U.S. Will Approve Some **Delays in Tariff Payments** Amid Coronavirus Crisis
- Mar 24 FT: Drop the tariffs and save some lives. Quick
- Mar 19 WSJ: Trump Spurns Business Plea to Ease Tariffs Amid
- Mar 16 NYT: U.S. Weighs Tariff Relief but Some Fear China Will Take Advantage



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Effects on Import Policies



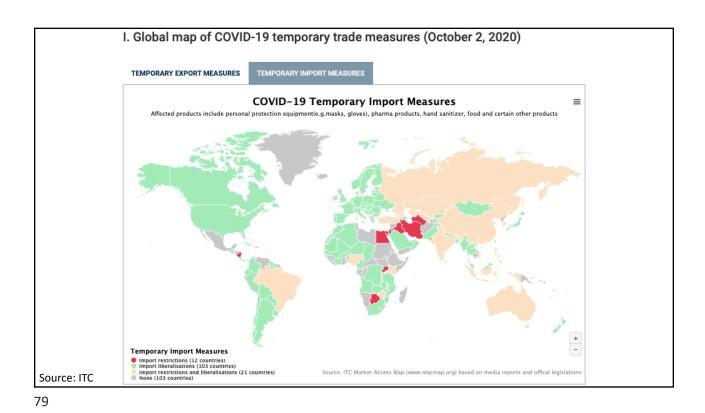
- Aug 23 FT: McCarthy: Pandemic shows US must make vital products at home
- Aug 17 FT: Guangzhou bans frozen meat imports over virus fears
- Aug 6 FT: Donald Trump to order government to buy medicines from US companies
- May 30 WSJ: **Protectionism Spreads** Globally With the New Coronavirus
- May 10 FT: U.S. Multinationals fear rise in protectionism because of pandemic



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- Serious effects on global trade
- Mostly adverse effects on international trade policies
- How much of this will be permanent remains to be seen



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Thank you! **Any Questions?**

Alan V. Deardorff **Ford School of Public Policy University of Michigan**

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