

The COVID-19 pandemic is disrupting people’s food environments: a resource list on Food Systems and Nutrition responses.

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The current global outbreak of Coronavirus (COVID-19) has disrupted food systems around the world. Food environments are where people meet the food system. Around the world people’s food environments are rapidly changing in both their external dimensions – food availability, prices, vendors- as well as personal dimensions – geographical access, affordability, convenience and desirability. These rapid food environment changes are influencing the consumers’ dietary practices and can lead to a deterioration in both individual, and country level, nutritional and health status.

People, and their health and nutrition status, are what counts. Sustainable healthy diets that contain sufficient fruits and vegetables are crucial in protecting people’s immunity. Particularly for those at risk of, or suffering from food insecurity and those with pre-existing non-communicable diseases who are at a heightened risk of becoming severely ill with the virus.

The work of UN agencies and partner organizations to promote nutrition and healthy food systems during the pandemic is continually expanding and strengthening. Contributing to the coronavirus pandemic response, the UNSCN has compiled a list of available resources and key readings with a focus on nutrition and food systems. This list will be continually updated **and expanded as more resources become available.**

Topic	Agency	Name	Description	Publication Date
UN AGENCIES GENERAL RESPONSE				
UN agencies all play a role in the global response to COVID-19. These links will direct you to agency’s key COVID-19 related health and nutrition information.	UN	Coronavirus disease (COVID-19)	Latest updates on the United Nations response to COVID-19 including the policy brief on The Impact of COVID-19 on Food Security and Nutrition (June 2020). See the full list of UNSG Policy briefs here UNSG Report Shared responsibility, global solidarity: responding to the socio-economic impacts of COVID-19	Continually Updated March 2020
	WHO	COVID-19 pandemic	The latest updates on COVID-19 including daily press releases, technical guidance, advice for the public and research updates.	Continually Updated

	UNICEF	COVID-19 – what you need to know about the virus to protect you and your family	<p>Latest news and fact based information on COVID-19. Including advice for parents, teens, teachers and employees.</p> <p>Latest updates on Nutrition related programming, technical advise and information birefs can be found in 'Nutrition- COVID-19'.</p> <p>Maternal and Child Nutrition: UNICEF Programming Priorities to Respond to the Socio-Economic Impacts of the COVID-19 Pandemic</p>	Continually Updated
	WFP	Emergency Response and Situation Reports	Latest updates on WFP’s response to COVID-19, key links and situation reports	Continually Updated
	FAO	COVID-19 Outbreak	<p>An overview of FAO’s action in regard to the outbreak, highlights of the OneHealth approach, key messages, questions and answers.</p> <p>FAO's component of the Global COVID-19 Humanitarian Response Plan to address the impact of COVID-19 in food crises can be downloaded here.</p>	<p>Continually Updated</p> <p>April 2020</p>
	OCHA	Global humanitarian response plan COVID-19	Prepared by members of the Inter-Agency Standing Committee (IASC), including UN, other international organizations and NGOs with a humanitarian mandate, to analyse and respond to the direct public health and indirect immediate humanitarian consequences of the pandemic, particularly on people in countries already facing other crises.	25 March
	UNDP	COVID-19 Pandemic	Drawing on the experience with other outbreaks such as Ebola, HIV, SARS, TB and malaria, as well as their long history of working with the private and public sector, UNDP will help countries to urgently and effectively respond to COVID-19 as part of its	

			mission to eradicate poverty, reduce inequalities and build resilience to crises and shocks.	
	UNEP	UNEP Statement on COVID-19		
	UNOPS	Dedicated COVID-19 page		
	IFAD	Dedicated COVID-19 page		
	UN Network on Migration	UN Network on Migration COVID-19 page		
	UNRWA	UNRWA Responds to COVID19		
	FAO, IFAD, WFP and the World Bank	Joint Statement on COVID-19 Impacts on Food Security and Nutrition,	on the occasion of the Extraordinary G20 Agricultural Ministers Meeting	21 April
	UNIATF Nutrition Thematic Working Group	Strengthened Action on Nutrition in the COVID-19 Response (31 July) A joint advocacy piece for putting healthy, affordable and sustainable diets at the heart of the COVID-19 response, supported by the session on 'Nourishing the Post COVID-19 World' on Nov 13th.		November 2020
IMPACT ASSESSMENTS				
	Global Network Against Food Crises and FSIN	2020 Global Report on Food Crises update: In times of COVID-19. A joint update on how COVID-19 is contributing to the perpetuation or deterioration of the main drivers of acute hunger.		Oct 9th
	Standing Together for	estimates on the impact of COVID-19 on childhood malnutrition and nutrition-related mortality, and recommendations for action.		July 27th

	Nutrition Consortium			
	SOFI	The State of Food Security and Nutrition in the World Report 2020 - Transforming food systems for affordable healthy diets . Box 3 details how the COVID-19 pandemic may affect hunger in the world.		July 2020
	GNR	Global Nutrition Report: - Nutrition and COVID-19: Malnutrition is a threat-multiplier (May 21st)		May 31st
FOOD SYSTEMS				
Food Environments	UNSCN	Food Environments in the COVID-19 Pandemic Food Environments: The evolving impact on how people meet the food system	Impacts and positive policy actions to deliver sustainable healthy diets for all. Including options for governments to adapt and mitigate impacts on food environments, and current nutrition advice.	Updated March 30th- continually updated
Food Supply	FAO	Addressing the impacts of COVID-19 in food crises	Humanitarian Liaison Working Group response plan	4 May

		Presentations	<p>- Coronavirus Food Supply Chain Under Strain What to do? A comprehensive presentation of what we know now on the food supply and demand side and options on what to do within social protection programs</p> <p>Video: Food Supply Chains Under Strain, what to do?</p> <p>COVID-19 and the risk to food supply chains: How to respond?</p>	<p>24 March</p> <p>26 March</p> <p>2nd April</p>
		Tools	<p>Keeping food and agricultural systems alive - Analyses and solutions in a period of crises - COVID-19 Pandemic</p> <p>Urgent Policy Measures: Food and Agriculture Policy Decision Analysis (FAPDA)- a database of the latest urgent food system policy decisions in response to COVID-19(continually updated)</p> <p>Food Policy Warnings: Food Price Monitoring and Analysis (continually updated)</p>	Continually Updated
		Policy Briefs	<p>See a full list of FAO's COVID-19 Policy Briefs here.</p> <ul style="list-style-type: none"> • COVID-19 and the role of local food production in building more resilient local food systems (18 Sept) • COVID-19 and smallholder producers access to markets (15 April); • How is COVID-19 affecting the fisheries and aquaculture food systems (10 April); • Food Safety in the time of COVID-19 (14 April); 	

			<ul style="list-style-type: none"> • COVID-19 and the risk to food supply chains: How to respond? (2 April); • Responding to the impact of the COVID-19 outbreak on food value chains through efficient logistics (7 April); • Channels of transmission to food and agriculture (9 April) • Urban food systems and COVID-19: The role of cities and local governments in responding to the emergency (9 April) • Mitigating risks to food systems during COVID-19: Reducing food loss and waste 	
Food Systems	WFP	<ul style="list-style-type: none"> • Policy Brief: Why does Food Security and Nutrition Matter in Social Protection responses to Systemic Shocks in the Southern African Region? (Oct 6th) • Good nutrition for vulnerable urban populations in the context of COVID-19: WFP Interim Guidance : WFP Interim Guidance for analysis and actions across the health, food and social protection systems in urban areas and programme adaptations in the context of COVID-19. (July 2020) • Economic and food security implications of the COVID-19 outbreak (24 March) 		Oct 2020
Food Systems	CFS/High Level Panel Experts	Interim Issues Paper on the Impact of COVID-19 on Food Security and Nutrition (FSN) by HLPE + CFS Chair Statement on COVID-19	Discussing the impact of the COVID-19 on global food systems, key messages and recommendations for all stakeholders in mitigating the impact.	24 March-continually updated
Food Systems	CGIAR	CGIAR's Response to COVID-19	CGIAR, as the world's largest public research network on food systems, provides evidence based	Continually Updated

			advice and recommendations to help address threats to food and nutrition security from the COVID-19 pandemic	
Food Security	Global Food Security Cluster	Coronavirus, impact on well-being, health, food access and food security	An overview of the pandemic (including a timeline of its spread) and its impact on global food security	25 March
Food Security	WFP VAM	Economic and food security implications of the COVID-19 outbreak	A discussion paper on the impact of the COVID-19 on food and agricultural sectors and recommendations to governments to prevent a food security crisis.	24 March
Food Safety	WHO	WHO recommendations to reduce risk of transmission of emerging pathogens from animals to humans in live animal markets WHO Guidance for schools, workplaces & institutions	Linked to the probably cause of COVID-19 WHO has released recommendations for people visiting and working in live animal/animal product markets.	26 March
			Guidance document is intended for food businesses to assist them with measures that can contribute to keep the COVID-19 virus out of food premises and protect their workforce from getting the disease.	8 April
	WTO and WB	Both the World Trade Organisation and the World Bank have made repositories of resources relating to trade in the time of COVID-19.		
PREGNANCY, BREASTFEEDING, INFANT/YOUNG CHILD FEEDING				
Breastfeeding	WHO	Breastfeeding and COVID-19	Scientific briefing on whether breast feeding can transmit COVID-19.	23 June
		Breastfeeding and COVID-19 For health care workers	Outlining the latest information and recommendations, including a decision tree for breastfeeding guidance	28 April
		Q&A on COVID-19, pregnancy, childbirth and breastfeeding	FAQ on pregnancy, childbirth and breastfeeding during the COVID-19 outbreak	Continually Updated

		Information Flyer: Breastfeeding with COVID-19, Strategies for mothers who are too unwell to breastfeed		
	UNICEF	Breastfeeding safely during the COVID-19 pandemic		28 May
Breastfeeding	WHO-EMRO	Breastfeeding Advice During the COVID-19 Outbreak	An information flyer containing advice for breastfeeding mothers and health facilities/ staff.	March
Pregnancy	WFP	COVID-19 and Pregnancy	A summary of the latest updates on the transmission of COVID-19 during pregnancy and health impacts on the child	18th March
Breastfeeding		COVID-19 and Breastfeeding	Interim guidance for breastfeeding women who have confirmed or suspected COVID-19 (currently the virus has not been detected in breastmilk) Includes guidance on safe breastfeeding practice to reduce the virus spread and guidance on IYCF	18th March, updated weekly
Childhood Wasting	WHO & UNICEF	Prevention, Early Detection and Treatment of Wasting in Children 0-59 Months Through National Health Systems in the Context of COVID-19		July 30th
Childhood Wasting	UNICEF, GNC & GTAM	Management of Child Wasting in the Context of COVID-19- Brief No.1	An information brief covering services and programmes for the management of child wasting in the context of COVID-19, including key messages, priority actions, inpatient and outpatient based recommendations and outstanding questions.	27th March with updates every 10 days
IYCF		Infant and Young Child Feeding (IYCF) in the context of COVID-19	An information brief covering IYCF in the context of COVID-19	30th March Updated every 10 days
IYCF	USAID	Infant and Young Child Feeding Recommendations When COVID-19 is Suspected or Confirmed	A resource kit for counsellors that supports UNICEF and WHO recommendations	24 April

Infant and Young Child Feeding	UNHCR, UNICEF, WFP & WHO	Infant and Young Child Feeding (IYCF) in the Context of the COVID-19 Pandemic: Eastern, Central and Southern Africa	A joint note that consolidates the current recommendations on Infant and Young Child Feeding in the context of the COVID-19 pandemic in Eastern, Central and Southern Africa. This guidance is not intended to replace national guidance, rather to serve as a resource that is based on the latest evidence.	26 March
Vitamin A Supplementation	GAVA	Vitamin A Supplementation: Protecting Children's Lives in the Context of COVID-19	GAVA consensus statement aims to provide guidance on vitamin A supplementation (VAS) for preschool-aged children* through campaigns and routine health and nutrition services during the COVID-19 pandemic.	7 April
SCHOOL AGED CHILDREN				
School Nutrition	UNESCO, WFP, UNICEF & WHO	The importance of investing in the wellbeing of children to avert the learning crisis	A joint call for action by UNESCO, WFP, UNICEF & WHO	Oct 2020
School Nutrition	UNICEF	COVID-19: Missing More Than a Classroom. The impact of school closures on children's nutrition	The paper presents the evidence on the potential negative short-term and long-term effects of school meal scheme disruption during Covid-19 globally.	Jan 2021
School Nutrition	WFP & UNICEF	Joint response to COVID-19	Including publications on school food and nutrition. Supporting children's nutrition during the COVID-19 pandemic	Continually Updated
School Meals	WFP, FAO & UNICEF	Interim guidance note on "Mitigating the effects of the COVID-19 pandemic on food and nutrition of schoolchildren"		Continually Updated

School Based Action	UNICEF, WHO & IFRC	Key Messages and Actions for COVID-19 Prevention and Control in Schools	Including key messages for school administrators/teachers and staff, parents/caregivers and community members	27 March
Monitoring	WFP	Global Monitoring of School Meals during COVID-19 School Closures	A continually updated map showing the number of children no longer receiving school meals	Continually Updated
Mental Health	WHO	Helping children cope with stress during the 2019 COVID-19 outbreak	A short guide to helping children deal with stress and anxiety during the COVID-19 outbreak	26 March
	UNESCO	COVID-19 education, nutrition, health and well-being resource list.	Compiled by UNESCO in association with the FRESH network	Continually Updated
Monitoring	GCNF Network	GCNF website	The GCNF website provides up to date insights into the country level impacts and mitigation efforts to protect school aged children from malnutrition related to the COVID-19 outbreak.	Continually Updated
ADULTS				
Nutrition Advice	WHO	WHO- Europe Office: Food and nutrition tips during self-quarantine WHO-EMRO Office: Nutrition Advice for Adults During the COVID-19 Ask WHO - How can I grocery shop safely in the time of COVID-19? - How should I wash fruit and vegetables in the time of COVID-19?	Nutrition and mental health advice for adults during the COVID-19 outbreak	March
	FAO	Maintaining a healthy diet during the COVID-19 Pandemic 9 tips to fight food waste		27th March

	UNICEF	Easy, Affordable and Healthy Eating Tips for Families during the COVID-19 Outbreak		31st March
Mental Health	WHO	Mental health and psychosocial considerations during the COVID-19 outbreak Coping with stress during the 2019 COVID-19 Outbreak (English , French , Chinese , Arabic , Russian , Spanish)	Mental health advice, including healthy eating, during the COVID-19 outbreak	18th March
Non-communicable diseases	WHO	Website on NCDs and COVID-19	Including advice for managing NCDs, health professional guidance and rapid assessment of NCD services results	
		WHO Newsflash on NCDs weekly newsletter, register here		
		Information note on COVID-19 and NCDs	Includes technical guidance for people living with existing NCDs, information on the dangers of smoking, advice on healthy lifestyles and tips on managing NCDs during the outbreak.	23rd March
		Addressing noncommunicable diseases in the COVID-19 responses: Interim guidance	Interim guidance for health professionals, developed for the WPRO region	6 th April
		Alcohol and COVID-19: what you need to know		
EMERGENCY NUTRITION RESPONSE				
	WHO	Interim Guidance: Maintaining essential health services: operational guidance for the COVID-19 context	Interim guidance on maintaining essential health services during the COVID-19 pandemic.	1 st June
		Interim Guidance: Community-based health care, including outreach and campaigns, in the context of the COVID-19 pandemic	Including guidance on provision of essential nutrition services	May
Resource List	GNC	Global Nutrition Cluster COVID-19 Resources <ul style="list-style-type: none"> Nutrition Coordination guidance in the context of COVID-19 (6 April) 	The Global Nutrition Cluster is managing a comprehensive list of collected global, regional, and country-level health and nutrition resources for COVID-19. This includes a coordination toolkit, information management toolkit and capacity strengthening resources.	Continually Updated

		<ul style="list-style-type: none"> • Joint Statement by UNICEF and GNC on the Risk of COVID-19 Complications in Children affected by Wasting (April 7th) • Generic ToR for the country-level Nutrition and COVID-19 Taskforce (English, French) • Generic template for the Joint Statement on COVID-19 and Infant and Young Child Feeding <p>Webinar Recording: A New Tool- The Nutrition in Emergencies IYCF-E Checklist (31 March)</p>		
	UNICEF	Nutrition I COVID-19	Nutrition I COVID-19 : a knowledge dissemination tool to share programmatic guidance, position papers, technical notes, and emerging research and evidence being developed by UNICEF and its partners	
Technical Guidance	UNICEF, WFP, GNC & GTAM	<ul style="list-style-type: none"> • Protecting Maternal Diets and Nutrition Services and Practices in the Context of COVID-19 (22 April) • Nutrition Information Management, Surveillance and Monitoring in the Context of COVID-19 (14 April) 		
Technical Guidance	GTAM	COVID-19 and Nutrition Technical Brief	A summary of Guidance for Nutrition in Emergencies for practitioners	27th March, Continually Updated
Programming Guidance	WFP	Recommendations For Adjusting Food Distribution Standard Operating Procedures In The Context Of The Covid-19 Outbreak Guidance for cash-based transfers in the context of the Covid-19	Advice for minimizing the risk of spread during food distribution	13th March

		WFP's additional recommendations for the management of maternal and child malnutrition prevention and treatment in the context of COVID-19		2nd April
Question and engagement platform	ENN	The en-net provides a place to submit questions surrounding the emergency response to COVID-19. Current threads are grouped under nutrition programming and include infant and young child feeding , breastfeeding , prevention and treatment of MAM .	The en-net provides a place to submit questions surrounding the emergency response to COVID-19. Questions posed on these forums feed into the continually updated COVID-19 information briefs produced by UNCIEF and GTAM.	Continually Updated
Communications	UN Women, WHO, IFRC and OCHA	COVID-19: How to include marginalized and vulnerable people in risk communication and community engagement	A guide for risk communication and community engagement with marginalized people who are more vulnerable in emergencies.	19th March

Articles and blog posts providing insights into nutrition and food systems in the response to COVID-19:

ILO, FAO, IFAD and WHO:

- [Impact of COVID-19 on people's livelihoods, their health and our food systems](#) (Oct 13th)

Standing Together for Nutrition Consortium:

- [Impacts of COVID-19 on childhood malnutrition and nutrition-related mortality](#), the Lancet (July 27th)
- [Child malnutrition and COVID-19: the time to act is now, the Lancet](#) (July 27th)

WHO:

- Rapid assessment of service delivery for NCDs during the COVID-19 pandemic: [Press Release](#) (1 June) [Preliminary Results](#) (29th May)

IFAD:

- [Protecting health and protecting livelihoods: a delicate balance in the era of COVID-19](#) (27 May)
- [Shaping a holistic response to COVID-19: Protecting food systems and rural producers](#) (9 April)
- [Don't allow the coronavirus to open up another front](#) (31 March)
- [Changing lives in times of uncertainty: how innovative agriculture builds resilience](#) (30 March)
- [The potential impact of COVID-19 on SDG 2 \(food security\) – in China and globally](#) (13 March)

FAO:

- [Without food, there can be no exit from the pandemic](#) (23 April)
- [World Food Prices drop in March](#) (6 April)
- [Mitigating impacts of COVID-19 on food trade and markets. Joint Statement by the Directors-General of FAO, WHO and WTO](#) (31 March);
- [World Economic Forum: FAO Director-General speaks against food trade restrictions during the COVID-19 pandemic](#) (30 March);
- [A battle plan for ensuring global food supplies during the COVID-19 crisis; FAO Director-General urges G20 to ensure that food value chains are not disrupted during COVID-19 pandemic](#) (26 March);
- [COVID-19 and Food Supply: A Four-Pronged Battle Plan for Countries](#) by FAO Chief Economist Maximo Torero Cullen (23 March);

WFP:

- [School Feeding at home](#) (April 30th)
- [Food for thought: 7 tips on keeping a healthy diet in the face of Coronavirus](#) (23 March);
- [World Food Programme gears up to support children left without meals due to COVID-19 school closures](#) (23 March)
- [COVID-19 and the 5 Major Threats it Poses to Global Food Security](#) (16 March);
- [How to minimize the impact of Coronavirus on food security](#) (16 March);

GAIN:

- [The COVID-19 Crisis and Food Systems: probable impacts and potential mitigation and adaptation responses](#) + [Table](#) (23 March)

IFPRI:

- [Biblical, on steroids, and across generations: The coming food and nutrition crash can be averted if we act now to counter the COVID-19 crisis](#) (28 April)
- [Will COVID-19 cause another food crisis? An early review](#) (10 April)
- [How COVID-19 may disrupt food supply chains in developing countries](#) (2 April)
- [IFPRI Insights Special Issue: Impacts of Coronavirus on Food and Nutrition Security, Poverty, and Development](#) (23 March)
- [Preventing global food security crisis under COVID-19 emergency](#) (6 March)

CFS, HLPE, UNSG Special Envoy 2021 Food Systems Summit:

- [Ensuring Food Security in the Era of COVID-19](#) (1 April)

Asia United Nations Network on Nutrition (FAO, WFP, WHO and UNICEF)

- [Joint statement on nutrition in the context of the COVID-19 pandemic in Asia and the Pacific](#) (17 April)

UN Secretary-General

- [UN Secretary-General's statement on the effect of the COVID-19 pandemic on Children](#) (16 April)

SUN Movement

- COVID-19 and Scaling up Nutrition Factsheet (Nov) [English](#), [French](#), [Spanish](#)

RELEVANT NETWORKS, KNOWLEDGE HUBS AND COPS

- [WFP's external COVID-19 and Nutrition Toolkit](#): hosted on WFP's external learning platform Nutx and including the latest nutrition related updates from WFP in response to COVID-19. [Register, or login to your account to access resources here.](#)
- [Scaling up Nutrition \(SUN\)- COVID-19 and Nutrition](#): a knowledge hub for members of the SUN Movement that shares articles and updates which shed light on important links between COVID-19 and nutrition, hunger, health and food systems. UN [COVID-19 and Nutrition Information Note](#) and [Key Messages](#).
- [SDG2 Advocacy Hub- SDG2 & COVID-19 Reading List](#): The SDG2 Advocacy Hub brings together NGOs, advocacy groups, civil society, the private sector and UN agencies to share expertise, ideas, and to collaborate on campaigns to achieve SDG2. The Secretariat has pulled together a number of thought pieces highlighting the impact of COVID-19 on food, food systems and more.
- [Nutrition Connect](#): this initiative mobilises knowledge, share experiences, and stimulate dialogue on public private engagements (PPE) for nutrition. A special section on COVID-19 has been created to bring together news and resources related to the risks, responses and impact of COVID-19 on food systems and nutrition.
- [Agriculture-Nutrition COP \(Ag2Nut\)](#): Join the community to connect with a global network of professionals whose work focuses on the intersection of agriculture and nutrition. Webinars discussions about COVID-19, food systems, and interaction with malnutrition are planned for early April.
- [Food for the Cities](#) : Join the community to get in touch with a large group of practitioners, researchers, professors, urban and rural community leaders, technicians and professionals in diverse agency settings sharing ways in which communities, cities and national governments are organizing to address enormous economic and social transformations (in the food system) as a consequence of the COVID-19 pandemic.

- [Agriculture, Nutrition and Health \(ANH\) Academy](#): this is a global research network in agriculture and food systems for improved nutrition and health to serve as a platform for learning and sharing. They offer an open-access map of experiences, perspectives, opportunities and questions from researchers around the world about the impact of COVID-19 and other health emergencies on food systems, agriculture and nutrition.
- [The International Food Policy Research Institute \(IFPRI\)](#) is curating a special series of blogposts analyzing the impacts of COVID-19 on national and global food and nutrition security, poverty and development.
- [SFS Programme statement on the COVID-19 \(coronavirus\) crisis and food systems](#). Read about key considerations for our food systems during this unprecedented crisis.
- [International Institute for Sustainable Development \(IISD\)](#): a commentary that takes stock of emergency measures taken to curb the spread of COVID-19 and provides governments with options for avoiding a surge of investor-state claims challenging those measures.