

## **GLOSSARY**

### **Common measures or units**

Blue font for those used in Hackathon datasets

Malnutrition		
Acronym	Term	Definition
AM	Acute Malnutrition	Being too thin AND/OR having nutritional edema
AMN	Acute Malnutrition Score	(1 low to 5 highest)
WHZ	Weight-for-Height Z-Score	
HAZ	Height-for-Age Z-Score	
MUAC	Mid-Upper Arm	
	Circumference	
Stunting		Short for age, low HAZ
Wasting		Being too thin
GAM	Global Acute Malnutrition	WHZ <-2 or MUAC < 125mm and/or nutritional edema
		("combined" just means children by either measurement
		are counted)
MAM	Moderate Acute	- WHZ < -2 or MUAC < 125mm
	Malnutrition	
SAM	Severe Acute malnutrition	- WHZ < -3 or MUAC < 115mm
_		Other Acronyms
Acronym	Term	Definition
VITA	Vitamin A	Generally presented as the percentage of children under
	Supplementation	5 who have received this supplement in the previous 6
A A A A A A	National District	months
MNP	Micronutrient Powder	The percentage of children under 5 who are receiving this powder on their food
IYCF	Infant and Young Child	a set of feeding practices recommended or promoted
	Feeding	for infants (children up to 12 months) and young
		children (usually up to 2 years) – in the data, the number
		of caregivers who received the education about IYCF
BSFP	Blanket Supplemental	Specialized supplemental food provided for children
	Feeding Program	under 5
BSFPU2	BSFP under two	Specialized supplemental food provided for children
		under 2
PLW	Pregnant and Lactating	
	Women	

Acronym	Term	Definition
FEFO	Iron and Folic Acid	Generally provided to pregnant women to reduce risk of
	Supplement	anemia
OCHA (or		United National Office for the Coordination of
UNOCHA)		Humanitarian Affairs
IDP	Internally Displaced	Someone who has had to flee their community or their
	Person	home/community was destroyed, as opposed to a
		"resident" who lives in their own home
PIN	People in Need	The total number of people within an area or population
		who are in need of humanitarian assistance (usually
		food assistance)
	Food Secu	urity (INDDEX Indicators)
Acronym	Term	Definition
AFI	Acute Food Insecurity	Unable to obtain or use sufficient food for a healthy
		active life
IPC	Integrated Food Security	system or analytical approach to classifying different
	Phase Classification	levels of food security within a livelihood group. In some
	system	data sets, Acute Food Insecurity (AFI) is classified
		separately from Acute Malnutrition (AMN), with 1 being
		the best situation and 5 being the worst.
HDDS	Household Dietary	1 day diet recall, score based on the number of food
	Diversity Score	groups in a household's daily diet over the previous day
FCS	Food Consumption Score	7-day recall, similar to the HDDS, but food groups are weighted
		This is a proxy indicator that represents the energy and value of the food that households eat. It is calculated
		based on the type of foods and the frequency with
		which households consume them over a seven-day
		period.
HFIAS	Household Food	A context-specific experiential score of food insecurity,
111173	Insecurity Access Scale	range of 0-27
HHS	Household Hunger Scale	30 day recall, 0-1 little to no hunger in HH, 2-3 moderate
5	Trouserrora tranger scare	hunger in the HH, 4-6 severe hunger in the HH
FIES	Food Insecurity	Experiential food security index, individual person not
	Experience Scale	household, 12 month recall (sometimes modified to 1
	Experience scare	month)
CSI	Coping Strategies Index	A context-specific index of food insecurity based on the
	0 10 11	increasingly severe strategies a household resorts to in
		order to maintain access to food
rCSI	Reduced CSI	A version of the CSI that is not contextualized, it includes
		a standard set of questions and weights for strategies –
		some will use it to compare across contexts, though that
		was not its original intention
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<u>Mortality</u>		
Acronym	Term	Definition
CMR	Crude Mortality Rate	The number of deaths / 10,000 population / day
		(normally used during acute mortality events like an epidemic)
CDR	Crude Death Rate	The number of deaths / 1,000 population / month or
		year (normally used to measure impact of programming
		or in a more stable environment)
	Baseline mortality (rate)	The mortality (rate) of a population that would be
		expected if there is no crisis
	Excess mortality (rate)	The mortality (rate) in excess of the baseline mortality
		(rate), usually attributed to and event or dynamic
	Total mortality	All deaths, including both those that would have
		happened in the absence of a crisis and also those that
		happened because of the crisis (baseline + excess = total
		mortality)
U5DR	Under-Five Death Rate	The rate at which children under 5 years of age are dying
		in the under-five population over a given period of time
		(recall period), usually deaths of children under 5 years
		old / 10,000 children / day.
U5MR	Under-Five Mortality Rate	The probability of dying or the number of deaths
		between birth and exactly five years of age, expressed
		per 1,000 live births.

# **General Terms Related to Food Insecurity**

Term	Definition
Acute Food	Food security at a specific moment in time, regardless of causes, context, or
Insecurity (AFI)	duration. Severity is defined by assessing the degree to which households can
	meet basic survival needs and maintain their normal livelihoods.
Anthropometric	Combinations of human body measurements and their comparison to reference
Indices	data. For example, measurements of weight and height may be combined to
	produce Body Mass Index (weight/ height²), or weight may be related to height
	through the use of reference data that have been developed/adopted by the
	World Health Organization.
Availability	One of the four pillars of food security. The total amount of food that is present in
	a country or given area by means of domestic production, imports, food stocks,
	and food aid.
Coping	Activities to which people resort in order to obtain food, income and/or services
Strategies	when their normal means of livelihood have been disrupted or other
	shocks/hazards decrease their access to basic needs.
Coping	A methodology to estimate the food security status of households based upon the
Strategies Index	reversibility of coping strategies to which they resort (Maxwell and Caldwell, 2008)
Early Warning	Information collection, analysis and use aimed at predicting, preventing and
Systems	mitigating the effects of future hazards and risks. (FEWS NET, 2018)
Daily Caloric	The minimum number of calories needed to sustain normal levels of activity and
Requirement	health, taking into account age, gender, body weight and climate; on average
	2,350 kcals per day. Note: Estimates of daily caloric requirements vary; in
	emergencies, a plan of 2,100 kcals/person/day is a typical planning figure used.
Dietary Quality	The extent to which the diet is optimal in delivering essential nutrients, including
	all the types and forms of nutrients. Both quantity and nutrient density are
	important determinants of dietary quality.
Food Security	A situation that exists when all people, at all times, have physical, social and
	economic access to sufficient, safe and nutritious food that meets their dietary
	needs and food preferences for an active and healthy life (FAO, 1996). However,
	measurement of food security proves to be elusive. In contrast, food security is
	most frequently based upon the absence of food insecurity.
Hazard	Something that poses a potential threat to life, health, property, or the
	environment. Most hazards are dormant, with only a potential risk of harm. Once
	a hazard becomes "active," it is called a shock (or in some cases, a hazard event).
	For example: a volcano is a hazard; its eruption is a shock. Hazards can be single,
	sequential, or combined in their origin and effects. Hazard and vulnerability
	interact together to create risk.
Livelihood	A group of people who share the same basic means of livelihood and lifestyle – i.e.
Group	the same main subsistence activities, main income activities and social and cultural
	practices – and who face the same risks of food and nutrition insecurity (WFP,
Banks C L	2009)
Market System	The network of actors involved in the production, exchange, and/or consumption
	of goods and services, which relies on infrastructure and other services and inputs,

Term	Definition
	and operates within the formal and informal regulatory and social frameworks in a
	given context
Projection	A prediction that is designed to tell "what will likely happen if," typically in the
	context of prices.
Projection	Months selected for scenario period (e.g., typically eight months for a FEWS NET
Period	Food Security Outlook scenario).
Response	Any action taken before, during or after a shock, taken with the intention to
	prevent or mitigate negative short and/or long-term impacts of the shock.
	Response actors may include: households, local governments, communities and
	civil society, the private sector (e.g., traders), nongovernmental organizations,
Di-I.	multilateral organizations, and other regional and international sources.
Risk	The probability of harmful consequences or expected losses (of lives, livelihoods,
	persons injured, property, economic activity disrupted, or environment damaged) due to a particular hazard for a given area and reference period resulting from
	interactions between natural or human-induced hazards and vulnerable
	conditions.
	Risk can be expressed as the product of hazard and vulnerability. It is mitigated by
	coping capacity: Risk = f (hazard × vulnerability/coping). (UNISDR, 2009)
Scenario	In the context of food security analysis, an informed "if/then" analysis that
	communicates shocks, their impacts on household food and income sources,
	response by both households and other actors, and the net food security
	outcomes for different households in specific geographic areas. Scenarios are
	rooted in a series of reasonable assumptions based on existing conditions,
	historical information, and expert judgment. Scenarios are used to project future
	food security outcomes and inform decision-making processes.
Scenario	A hallmark of FEWS NET analysis, a methodology for forecasting future events. It
Development	relies on analysis of the current situation, the creation of informed assumptions
	about the future, a comparison of their possible effects, and a description of the
Casanal	likely response of various actors.
Seasonal Calendar	A graphical presentation of the months in which food and cash crop production and key food and income acquisition strategies take place. It also shows key
Calelidai	seasonal periods such as the rains, periods of peak illness, and the hunger season.
Seasonality	A process that repeats itself on regular and predictable intervals (usually once
Seasonancy	every 12 months) often due to biological processes (like the rainy season, which
	drives market supply) or social events (like holidays, which drive consumption
	patterns and market demand). Most crops have specific planting, harvesting, and
	peak consumption times that commonly result in observed seasonal price
	variation. Livestock body conditions and reproduction patterns also exhibit
	seasonal patterns, resulting in seasonal price variation.
Shock	An atypical event or series of events (either rapid or slow-onset) with significant
	impact. Shocks can be positive (e.g., a significantly better-than-average harvest) or
	negative (e.g., a failed below-average harvest or an unseasonable increase in food
	prices).
Terms of Trade	a ratio of how much of one good can be traded for another good at a given point
	in time. In rural contexts with EWS, this is often framed as goat:grain or labor:grain

Term	Definition
Vulnerability	The susceptibility of certain populations to experiencing food security and nutrition crises. It may be an expression of susceptibility to potential disruptive factors OR The conditions determined by physical, social, economic, and environmental factors or processes that increase the susceptibility of a community or population group to hazards. Vulnerability is not a general state; people are only vulnerable to a specific hazard. For example: farmers cultivating along a
	riverbank may be vulnerable to floods (which are likely to wash away their crops), but may not be vulnerable to drought (since they can irrigate their crops using water from the river).

### **Additional Terms**

Term	Definition
Analogue Year	A year in history that shares key characteristics with the current year and can therefore help to support assumptions about how the current year may progress.
	In food security analysis, analogue years are most commonly used in relation to
	climate and seasonal forecasts. Information about current atmospheric and
	oceanic conditions/patterns is used to identify similar years that may suggest likely
	precipitation and temperature behavior. Analogue years can also be used to look
	at other issues, such as market behavior and food prices.
Anomaly	A deviation from the norm or average.
Assets	In broad terms, assets are considered to be anything that is valuable or useful,
	such as a skill, a quality, a commodity, etc. that a household or community can
	strategically control or make use of. In the Sustainable Livelihoods Framework,
	assets are defined under the following five categories: human, social, financial,
Assemble	physical, and natural
Assembly Market	A market where smaller quantities of a commodity are accumulated or aggregated, usually from different farmers and small-scale traders. Assembly
Iviarket	markets facilitate marketing, reduce the costs of marketing, and allow for the
	movement of commodities, which enables sellers from remote areas to reach
	distant buyers.
Assumptions	For the purpose of scenario development, assumptions are judgments about the
	anticipated type, magnitude, and timing of future events or conditions.
	Assumptions are the product of an analysis of current conditions (e.g., rainfall
	pattern to date), past experiences (a reference period, or how a similar series of
	events unfolded, such as a previous drought), official or unofficial estimates or
	projections, qualitative or quantitative data, and/or expert judgment. Assumptions
	can be made at any level of analysis (i.e., household, village, market, district,
	national, regional, or international). Assumptions form the basis of a scenario and
	support and reasonably limit its scope.
Cash Transfers	sums of money provided to recipients. The total amount of money provided is
0	linked to the objective of the transfer.
Commodity	A raw material or primary agricultural product that has value and can be
	exchanged. Commodities include food and cash crops, livestock, and nonfood consumer items
Disaster	A situation that causes widespread human, material, economic or environmental
2.00000	damage, threatening human lives and/or livelihoods and exceeding the coping
	capacities of the affected communities and/or government. (WFP, 2009)
Disaster Risk	The potential disaster losses in lives, health status, livelihoods, assets and services
	which could occur to a particular community/society over some specified future
	time period. Disaster risk comprises different types of potential losses, some of
	which are often difficult to quantify. Nevertheless, with knowledge of the
	prevailing hazards and the characteristics of population and socioeconomic
	development, disaster risks can be estimated and mapped. with varying levels of
	confidence. (UNISDR, 2009)

Term	Definition
Disaster Risk	The concept and practice of reducing disaster risks through systematic efforts to
Reduction	analyse and manage the determinants of disasters, including through reduced
	exposure to hazards, lessened vulnerability of people and property, management
	of land and environment, and improved preparedness for adverse events.
	(UNISDR, 2009)
Drought	A temporary reduction in water or moisture availability significantly below the
	normal or expected amount (norm) for a specified period. The key assumptions of
	such a definition are:
	• the reduction is temporary (if the reduction were permanent, then terms such as
	"dry" and "arid" would be more appropriate)
	• the reduction is significant;
	• the reductions is defined in relation to a "norm", i.e. normal expectation
Futitionsonts	• the period taken as basis for the norm is specified (Borton and Nicholds, 1992)
Entitlements	"The set of alternative. commodity bundles that a person can command in a society using the totality of rights, and opportunities that he or she faces". (Sen
	1984, p. 497) – these are all the things that a person can use or access
Environment	The surroundings or conditions in which someone is living
Epidemic	An increase, often sudden, in the number of cases of a disease above what is
	normally expected in that population in that area. (Lesson 1 in Dicker et al., 2012)
Famine	Absolute inaccessibility of food to an entire population or sub-group of a
	population, potentially causing death in the short term.
Food Insecurity	The state in which people are at risk of or actually suffering from inadequate
	consumption to meet nutritional requirements as a result of the physical
	unavailability of food, their lack of social or economic access to adequate food,
	and/or inadequate food utilization.
Formal Trade	The exchange of large quantities of a given commodity, transported by road, rail,
Flow	or sea. These trade flows are inspected, taxed, and reported in official government
	statistics, and abide by the requirements of the local legal system (including
	national-level laws and regional trade agreements). For example, in some
	countries, an importer or exporter is required to obtain a license from the local
	government or regional trade body that gives authority to engage in import or
11	export activities. Formal trade can often also be thought of as legal trade.
Humanitarian	Any direct resource transfers in response to acute events that aim to reduce food
Food Assistance	gaps, and protect and save lives and livelihoods by facilitating households' access to food. Humanitarian food assistance may include different modalities, such as
	transfers of food, cash, livestock and other livelihood assistance
Inflation	An overall rise in the prices of goods and services in an economy. An inverse
IIIIation	relationship exists between the prices of goods and services and the value of
	money in an economy: other things being equal, as prices rise over time, a given
	amount of money will be able to purchase fewer and fewer goods and services.
Lean Season	The time of year when a household's access to food and/or cash income is typically
	most constrained. During this period, households tend to be at greater risk of food
	insecurity.
Livelihood	The ways in which households utilize and combine their assets to obtain food,
Strategies	income and other goods and services. (WFP, 2009)

Term	Definition
Market	The choice of specific goods and services that satisfy the wants and needs within
Demand	the limits imposed by income (purchasing power)
Market	The degree to which individuals depend on markets to access food as opposed to
Dependence	consuming food they produce.
Market	The economically significant features of a market that affect the behavior of firms
Structure	in the industry supplying that market. The main elements of market structure are:
	seller concentration, product differentiation, barriers to entry of new firms, buyer
	concentration, height of fixed costs and barriers to exit, and growth rate of market
	demand.
Market Supply	The willingness and ability of sellers or suppliers to make available different
	possible quantities of a good at all relevant prices. Determinants of supply include
	but are not limited to: own price, price expectations, price of inputs, production
	technology, and macroeconomic factors.
Price	The process in which prices in one market affect prices in another market. Often
Transmission	used to describe the effect of upstream prices on downstream prices.
Purchasing	Measurement of the relative value of money in terms of the quality and quantity
power	of goods and services it can buy. It represents the ability of a household to acquire
	goods and services based on its access to money or other forms of wealth
Resilience	The ability of a system to resist or return to a normal state when faced with a
_	hazard/shock or ongoing stress.
Response	The process by which a set of appropriate actions is identified and based on: (a)
Analysis	the needs and livelihoods of the affected population; and (b) the operating
	environment. Simply put, response analysis is the process of connecting needs
0.6.	assessment or situational analysis to programme design. (FAO and WFP, 2011)
Safety Nets	Non-contributory transfer programmes targeted in some manner to the poor and
Constint	those vulnerable to poverty and shocks (Grosh and Milazzo, 2009)
Spatial	The act of taking advantage of a price differential across locations or markets. The
Arbitrage	differential must exceed all costs of moving the commodity from one location or
	market to another (costs of the interspatial transfer). A simple measure of potential spatial arbitrage is the difference between the prices observed for the
	same product in two different locations.
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Trade Flow	
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Trade Flow WASH	A commodity that can replace another in consumption or production, such as millet for sorghum. When the price of one commodity rises, consumers will decrease their consumption of that commodity and increase consumption of the substitute commodity.  The movement of goods and services resulting from buying and selling.  Water, Sanitation and Hygiene: a humanitarian sector that combines these domains

# Famine Systems Definitions (Howe 2018)

Term	Definition
Bands	Sub-groups of a population that are affected more (or less) than others based on
	economic, social, political, demographic, environmental, or biological
	characteristics.
Closed Famine	Can occur when the pressure and hold are focused in a clearly delimited area, as in
System	the siege of a town, a blockade of a country, or a politically isolated society. The
	system is closed in the sense that populations are unable to move in and out of the
	area, and people from outside the area are unable to observe the famine itself or
	to provide assistance.
Disruptive	The shocks, stressors, and other influences that alone or in combination impede a
Factors	group's ability to meet their food and nutrition needs. They can take a variety of
	forms: politically-induced, such as conflicts, blockades, and raiding; naturally-
	induced, such as droughts, floods, and other hazards; economically-induced, such
	as high food prices or currency depreciations; and socially-induced, including
	discrimination based on political, religious, or ethnic affiliation.
Disturbances	Relatively contained spatial areas of intense pressure that may form at the start of
	a crisis. They may appear in various locations where the shock is intense and the
	vulnerability is high, creating an initial 'spotty' pattern of severity within the wider
	area of concern.
Epicenter	The place where the famine is the most severe. Usually, the area around the
	epicenter is also affected but the degree of severity decreases as you move further
	out. Since there can be more than one area fitting this description, it may be more
F C	helpful to speak of 'nodes,' but both terms can be used.
Famine System	When there is a tipping point and a growing sense of unstoppable momentum that
	results in a sudden and dramatic rise in undernutrition and mortality rates. It
	usually takes place when the dynamics driving the hunger can no longer be balanced by the coping strategies of the populations. At that point, the dynamics
	become even more strongly self-reinforcing and lead to the spikes in
	undernutrition and mortality, with rates crossing the agreed thresholds that
	indicate the presence of a famine
Hold	A condition in which communities affected by pressure do not receive sufficient
noiu	release from it to prevent a deterioration of their food security and nutrition
	situation. Within the evolution of a famine, the hold's primary function is to permit
	the pressure to lead to the creation of self-reinforcing dynamics. Holds can take
	many forms, including natural, policy, political, social, economic, and others; they
	can be put in place deliberately or unintentionally; and they can occur alone or in
	combination.
Open famine	Refers to a famine in which there are few restrictions on movements of the
system	affected populations and those wishing to assist them. They often involve a process
	of 'emptying,' which can take two forms. First, people sometimes out-migrate
	from an area affected by famine to a place where conditions are better. Second,
	emptying can take the form of higher mortality rates for populations left in the
	famine-affected area.
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Term	Definition
Pressure	The result of a set of factors combining to partially or systematically disrupt a
	vulnerable group's ability to meet their food and nutrition needs. The degree of
	pressure is a function of the strength and comprehensiveness of the disruptive
	factors (whether shocks or stressors) and the vulnerability (or, conversely, the
	resilience) of the communities.
Rebalancing	Occurs when there is a change in dynamics and the conditions that have driven a
	famine's creation are taken away causing the collapse of the system.
Self-Reinforcing	A pattern of accelerated and interrelated changes in key factors driving food
Dynamic	insecurity and undernutrition.
Vulnerability	The susceptibility of certain populations to experiencing food security and
	nutrition crises. It may be an expression of susceptibility to potential disruptive
	factors.

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