



Statistics:

1. Food delivered into Gaza dropped from enough to feed people for about 22 - 29 days per month to about 6 – 8 days per month. Over 40,000 children ages 6-59 months have moderate acute malnutrition.
2. Only 17% of needed food is making it over the border into Gaza, down from 66% before October 2023.
3. Food delivered into Gaza dropped from eating 2 - 3 meals and a snack every day to eating about less than 1 meal per day or one meal every other day in June. For most women and children, these meals consist of two or fewer food groups. Since June and early July, the number of cooked meals prepared in kitchens for families has dropped about 35%.
4. About 26 oz. of food aid was consumed in Gaza every day before the blockade. Now, about 6.9 oz. of food aid is consumed every day.
5. Chicago has 7.6K hospital beds, Paris has 11.9K, New Mexico has 4K. Gaza has 1.5K hospital beds, between 2.5 and 8 times less beds, for a population the same size experiencing mass injury and illness.
6. In 2020, almost all primary health centers usually had some form of insulin in stock. As of August 2024, 35% of needed insulin was available. 71,000 people are now at risk of rationing insulin use or not accessing it at all.
7. In 2020, the 6 maternity hospitals in Gaza usually had stock of blood supply, and in August 2024, only about 50% of needed blood supply was delivered to Gaza.
8. Since May 6th, about 5K tents have been delivered to Gaza, sheltering about 25K people on average. This leaves million people without proper shelter.

Methodology introduction:

The data presented is based on calculations combining various reputable publicly available data sources. Most were based on a mixture of calculations and assumptions. We used the methods described below to compare data from pre-October 2023 (before the conflict escalated), pre-May 2024 (when the Rafah border closed), and June 2024 (most up to date data).

The calculation that appears the most in food related statistics is the total weight of food aid entering Gaza on trucks. This number was calculated based on the total number of trucks entering Gaza (or the number of pallets entering Gaza, which was converted to number of trucks based on an assumption of the number of pallets that one truck could hold using standard pallet and truck sizes) according to the UNRWA commodities tracker dashboard, and an estimation of the weight of each truck. The total weight of food entering Gaza was then divided by the average weight of meals, grams needed to



sustain healthy diets, people needing food (which was averaged at about 2 million in June 2024 and 1.3 million pre-October 7th), and other denominators, to arrive at the needed statistic.

Other data sources used for non-food related statistics and / or for context included the Health Cluster dashboard, OCHA's Humanitarian Situation updates and FEWS June 2024 Gaza food supply report. Many of the non-food related statistics are directly from these dashboards. In addition to point in time comparisons, we also compared services and goods delivered in Gaza to cities with similar population sizes of about 2 million. The sources of these data were online city and state records and census databases. A complete list of sources and exact calculations for each statistic can be found in the detailed methodology below.

Detailed methodology:

The information below shows the exact calculations and assumptions used in each statistic, listed in bold and underlined text. Sources for the data can be found at the end of the document.

Food delivered into Gaza dropped from enough to feed people for about 22 - 29 days per month to about 6 – 8 days per month. Over 40,000 children ages 6 - 59 months have moderate acute malnutrition.

Assume:

- 1 truck holds 20 pallets
- 1 truck weighs 13 MT
- Average weight of falafel sandwich = 0.0003402 MT
- 1 falafel sandwich is 1 meal
- Average 2 slices of pizza = 0.00023 MT, 1 meal
- Average pasta with veggies = 0.00026 MT, 1 meal

Food aid in June:

1. 18,265 pallets in June / 20 pallets per truck = 913 trucks in June of food aid
2. 913 trucks * 13 MT of food per truck = 11,869 MT of food in June

Food aid before October 2023:

1. 20,562 trucks crossed the border between Jan 1 - Sept 30, 2023. Jan 1 - Sept 30, 2023 = 272 days
2. 20,562 trucks / 272 days = 75 trucks of food per day
3. 75 trucks per day * 30 days = 2,267 trucks per month
4. 2,267 trucks per month * 13 MT of food per truck = 29,471 MT of food per month

Number of aid meals delivered in June 2024:

1. 11,869 MT delivered in June / 0.0003402 MT = 34,918,059 sandwiches / 2,000,000 people hungry = 17 sandwiches per person
2. 11,869 MT delivered in June / 0.00023 MT = 52,342,290 pizza meals / 2,000,000 people hungry = 26 pizza meals per person
3. 11,869 MT delivered in June / 0.000255 MT = 46,545,098 pasta veggie meals / 2,000,000 people = 23 pasta veggie meals per person



Number of aid meals delivered pre-October 2023:

1. 29,471 MT delivered / 0.0003402 MT = 86,698,265 sandwiches / 1,300,000 hungry people = 67 sandwiches per person
2. 29,471 MT delivered / 0.00023 MT = 129,967,110 pizza meals / 1,300,000 hungry people = 100 pizza meals per person
3. 29,471 MT delivered / 0.000255 MT = 115,572,549 pasta veggie meals / 1,300,000 people = 89 pasta veggie meals per person

Days of meals:

1. 17 sandwiches per person / 3 meals per day = 5.7 days of sandwich meals in June for 1 person
2. 67 sandwiches per person / 3 meals per day = 22.3 days of sandwich meals pre-October for 1 person
3. 26 pizza meals per person / 3 meals per day = 8.7 days of pizza meals in June for 1 person
4. 100 pizza meals per person / 3 meals per day = 33.3 days of pizza meals pre-October for 1 person
5. 23 pasta veggie meals per person / 3 meals per day = 7.8 days of pasta veggie meals in June for 1 person
6. 89 pasta veggie meals per person / 3 meals per day = 29.6 days of pasta veggie meals pre-October for 1 person

Only 17% of needed food is making it over the border into Gaza, down from 66%.

Assume:

- 1 truck holds 20 pallets
 - 1 truck weighs 13 MT
 - Average person eats 27 – 42 kg per month (0.027 – 0.042 MT), with the average being 0.0345 MT
1. 18,265 pallets in June / 20 pallets per truck = 913 trucks in June of food aid
 2. 913 trucks * 13 MT of food per truck = 11,869 MT of food in June
 3. 11,896 MT delivered / 0.0345 MT needed per day = 344,811 people fed
 4. 344,811 people fed / 2,000,000 need = 17% of need met

Food aid before October 2023:

1. 20,562 trucks crossed the border between Jan 1 - Sept 30, 2023. Jan 1 - Sept 30, 2023 = 272 days
2. 20,562 trucks / 272 days = 75 trucks of food per day
3. 75 trucks per day * 30 days = 2,267 trucks per month
4. 2,267 trucks per month * 13 MT of food per truck = 29,471 MT of food per month
5. 29,471 delivered / 0.0345 MT needed per day = 854,231 people fed
6. 854,231 people fed / 1,300,000 hungry people = 66% of need met

Food delivered into Gaza dropped from eating 2 meals a day to eating one meal every other day. For most women and children, these meals consist of two or fewer food groups.

Using calculations from Stat 1 (Food delivered into Gaza dropped from enough to feed people for 22 days per month to 6 days per month):

1. 67 meals per person delivered pre-October and 17 meals delivered per person in June
2. Out of 90 meals needed in 1 month:
 - a. 67 is about 2 meals per day



- b. 17 meals is about 1 meal every other day
- c. 100 meals is about 3.25 meals per day
- d. 26 meals is a little less than 1 meal per day

About 26 oz of food aid was consumed in Gaza every day before the blockade. Now, about 6.9 oz of food aid is consumed every day.

Food aid in June:

1. 8,265 pallets in June / 20 pallets per truck = 913 trucks in June of food aid
2. 913 trucks * 13 MT per truck = 11,869 MT of food in June
3. 11,869 MT of food in June / 30 days per month = 395 MT per day
4. 395 MT / 2,000,000 people = 0.0001975 MT = 6.9 oz of food aid consumed per day

Food aid before October 2023:

1. 20,562 trucks crossed the border between Jan 1 - Sept 30, 2023. Jan 1 - Sept 30, 2023 = 272 days
2. 20,562 trucks / 272 days = 75 trucks of food per day
3. 75 trucks * 13 MT per truck = 975 MT of food
4. 975 MT / 1,300,000 people = 0.00075 MT = 26 oz of food aid consumed per day

Chicago has 7.6K hospital beds, Paris has 11.9K, New Mexico has 4K. Gaza has 1.5K hospital beds, between 2.5 and 8 times less beds, for a population the same size experiencing mass injury and illness.

- Paris: 5.65 beds per 1,000 people
 - 2.1 million population / 1000 = 2100 * 5.65 = 11,865 beds total
- Other cities pulled directly from dashboards/stats

In 2020, almost all primary health centers usually had some form of insulin in stock. As of August 2024, 35% of needed insulin was available. 71,000 people are now at risk of rationing insulin use or not accessing it at all.

- Pulled directly from dashboard and reports

In 2020, the 6 maternity hospitals in Gaza usually had stock of blood supply, and in August 2024, only about 50% of needed blood supply was delivered to Gaza.

- Pulled directly from dashboard and reports

Since May 6th, about 5K tents have been delivered to Gaza, sheltering about 25K people on average. This leaves 1.8 million people without proper shelter, living in a place five times more densely populated than Hong Kong.

1. Using data from Sheltercluster.org that says 5K tents and 25K people.
2. 88% of population displaced: 88% * 2.1M total population = 1,848,000

Sources:

- 13-14 MT of food per truck: [FEWS Gaza food supply report June 2024](#)
- People reached in June with food: [WFP Dashboard](#)
- Amount of food delivered in June: [Food security cluster import and food availability report](#)

- Trucks of food delivered pre-Oct 7th: [OCHA import / export](#)
- Trucks crossing border: [UNRWA Gaza supplies and dispatch tracking dashboard](#)
- Paris hospital beds: [Trading Economics](#)
- Insulin and blood supply dashboard: [Health cluster dashboard](#)
- Food delivered pre-Oct 7: [OCHA border crossings dashboard](#)
- Chicago hospital beds: [University of Illinois - Chicago report](#)
- New Mexico hospital beds: [American Hospital Directory report](#)
- Gaza hospital beds: [ReliefWeb Humanitarian Situation Update 193](#)
- Number of people with diabetes: [WHO Emergency Situation Update Issue 14](#)
- Medical supplies and hospitals in 2020 in Gaza: [Mapping and Assessment of Maternal, Neonatal and Young Children Health Care Services in Gaza Strip, State of Palestine, UNICEF report via ReliefWeb](#)
- Nutritional status of food: [ReliefWeb Nutrition Vulnerability and Situation Analysis /Gaza \(June 2024\)](#)
- Nutrition and malnutrition stats: [Nutrition cluster dashboard](#)
- [Pasta veggie serving size](#), [Pizza serving size](#), [Falafel sandwich serving size](#)
- [Oxfam's similar calculations using food weight and trucks entering through February 2024](#)
- Gaza population density: [OCHA update](#)
- [Hong Kong population density](#)
- Tents delivered: [Shelter Cluster dashboard](#)