

## Volume Based Feeding Schedule

Goal Total ml formula per 24 hrs	Hours Remaining in day to feed 24 hour volume																							
	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
2400	100	104	109	114	120	126	133	141	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
2280	95	99	104	109	114	120	127	134	143	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
2160	90	94	98	103	108	114	120	127	135	144	150	150	150	150	150	150	150	150	150	150	150	150	150	150
2040	85	89	93	97	102	107	113	120	128	136	146	150	150	150	150	150	150	150	150	150	150	150	150	150
1920	80	83	87	91	96	101	107	113	120	128	137	148	150	150	150	150	150	150	150	150	150	150	150	150
1800	75	78	82	86	90	95	100	106	113	120	129	138	150	150	150	150	150	150	150	150	150	150	150	150
1680	70	73	76	80	84	88	93	99	105	112	120	129	140	150	150	150	150	150	150	150	150	150	150	150
1560	65	68	71	74	78	82	87	92	98	104	111	120	130	142	150	150	150	150	150	150	150	150	150	150
1440	60	63	65	69	72	76	80	85	90	96	103	111	120	131	144	150	150	150	150	150	150	150	150	150
1320	55	57	60	63	66	69	73	78	83	88	94	102	110	120	132	147	150	150	150	150	150	150	150	150
1200	50	52	55	57	60	63	67	71	75	80	86	92	100	109	120	133	150	150	150	150	150	150	150	150
1080	45	47	49	51	54	57	60	64	68	72	77	83	90	98	108	120	135	150	150	150	150	150	150	150
960	40	42	44	46	48	51	53	56	60	64	69	74	80	87	96	107	120	137	150	150	150	150	150	150
840	35	37	38	40	42	44	47	49	53	56	60	65	70	76	84	93	105	120	140	150	150	150	150	150
720	30	31	33	34	36	38	40	42	45	48	51	55	60	65	72	80	90	103	120	144	150	150	150	150
600	25	26	27	29	30	32	33	35	38	40	43	46	50	55	60	67	75	86	100	120	150	150	150	150
480	20	21	22	23	24	25	27	28	30	32	34	37	40	44	48	53	60	69	80	96	120	150	150	150
360	15	16	16	17	18	19	20	21	23	24	26	28	30	33	36	40	45	51	60	72	90	120	150	150

### Guidelines for 24 hour Volume-Based Enteral Feeding:

- Order for volume based enteral feeding will be total volume goal for 24 hours provided by the unit dietitian. **24 hour period goes from midnight to midnight each day.**
- Example:** If the total volume ordered is 1800 mL the hourly amount to feed is 75 mL/hour. If patient was fed 450 mL of feeding (6 hours) and the tube feeding is on “hold” for 5 hours, then subtract from goal volume the amount of feeding patient has already received.

$$\begin{array}{rcl} \text{Volume Ordered per 24 hours} & - & \text{Tube feeding in (current day)} & = & \text{Volume of feeding remaining in day to feed} \\ 1800 \text{ mL} & - & 450 \text{ mL} & = & 1350 \text{ mL remaining to feed} \end{array}$$

- Patient now has 13 hours left in the day (24hr - 6hr fed – 5hr on hold) to receive 1350 mL of tube feeding.
- Check the chart for the new goal volume by selecting the goal rate closest to the volume needed. Cross to the column representing the number of hours left to feed.

**For example:** 1350 mL remaining to feed in 13 hours. Go to chart and select volume closest to volume needed. In this example it would be 1320. Next go to column 13 (the number of hours remaining to feed) and the amount of feeding to provide will be 102 mL/hour. Round up to 105 mL/hr. At the end of the 24 hour period rate drops back to 75 mL/hr.

Please contact dietitian for your unit if you have any questions

### Important Nursing Assessment

Volume based feeding should be used with caution. Nursing should always assess for feeding intolerance. Examples of intolerance include: abdominal distention, abdominal cramping, nausea & vomiting, diarrhea defined by 250 mL/shift, gastric residuals greater than 500 ml.