















Weight Balance weight control program contains:

- weightloss program
- weight maintenance program
- calorie counter
- personal analysis
- discussion forum







WB-program users report their weight on a daily basis, via mobile phone or the Internet.

The program immediately responds with instructions for the next day.

Weight information is stored on the dieters' personal web pages.

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	Base	Baseline		3 months		6 months		9 months		12 months	
Variable	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Body weight (kg)*											
EG (n 42)	86.6	12.7	82.0	12.9	81.4	13.6	81.8	13.8	82.1	14.	
CG (n 40)	85-1	12.5	-	-	—	-	-	_	84.0	13-	
Percentage weight losst									\frown		
EG (n 42)	223	-	5.3	3.5	6.1	5-1	5.6	5.6	5.4	5.	
CG (n 40)	-	-	-	-	_	-	-	_	1.3	6.	
Waist circumference (cm)‡									\sim		
EG (n 42)	97.6	10.5	91.7	10.4	90.9	11.2	91.1	11.6	91.3	11.	
CG (n 40)	95.7	10.9	-	-	-	-	-	-	93.3	11.	
Self-efficacy in dieting§									\sim		
EG (n 40)	7.0	1.1	7.0	1.2	6.7	1.1	6.6	1.3	6.4	1.	
CG (n 40)	7.0	1.0	_	_	_	-	_	_	6.6	1.	
Energy-dense food scorell									\sim		
EG (n 41)	2.9	0.6		0.75	2.4	0.6		_	2.6	0-	
CG (n 40)	2.7	0.7	-		—	-		1.000	2.6	0.	
$\begin{array}{c} \operatorname{CG}(n40)\\ \\ \operatorname{Energy-dense} \text{ food scorell}\\ \operatorname{EG}(n41)\\ \\ \operatorname{CG}(n40)\\ \\ \hline \\ \operatorname{EG}, \operatorname{experimental group; CG,} \\ ^{*}\operatorname{Time effect}. F(4,38) = 24.5, F\\ (P < 0.0001); \operatorname{for CG, non-sign}\\ \operatorname{tSynificant difference between} \end{array}$	7.0 2.9 2.7 control group. = 0.0001; time ificant change. 1 groups at 12 n = 0.0011; time	1.0 0.6 0.7 by group int	- - eraction: <i>F</i> (1,	_ _ 	- 2·4 -	– 0·6 – r EG, signifi	_ _ cant differenc	_ _ _ e from base	6.6 2.6 2.6	n	







Predicting the outcon	ne						
r realeting the eateen							
Table 5 Multiple regression models for predicting contact, 3-month and 12-month weight	t loss: overweight he	althy adult volun	eers, Fin	land, June	2001 to June 2002	2	
/ariable	Cumulative R ²	B coefficient	SEE	P	Univariate R ²	B coefficient	SEE
Predicting weekly amount of contact at 3 months: $R^2 = 0.41$, $R = 64$, $F(4,46) = 8.0$, $P < 0.00$	0.0001						
Number of positive self-reported changes in dietary habits	0.16	0.84	4.08	0.003	0.18	1.74	4.10
Baseline liking of the use of teletechnology $(1 = no, 2 = yes)$	0.25	-7.27	3.90	0.020	0.15	-8.82	4-18
Seeking more information on nutrition, reported at 3 months (1 = no, 2 = yes)	0.35	2.60	3.68	0.011	0.16	3.46	4.10
Changes at work by 3 months $(1 = yes, 2 = no)$	0.41	2.45	3.54	0.033	0.17	3.78	4.15
Predicting weight loss at 3 months: $P^2 = 0.62$, $R = 79$, $F(4,46) = 18.5$, $P < 0.0001$							
Seeking more information on nutrition, reported at 3 months (1 = no, 2 = yes)	0.28	1.68	3.37	0.0001	0.28	4.11	3.37
Change in self-efficacy from baseline to 3 months (3 months minus baseline value)	0.42	0.77	3.04	0.001	0.26	1.35	3.41
Weekly amount of contact with the programme reported at 3 months	0.55	0.28	2.71	0.001	0.38	0.54	3.13
Grade for the programme at 3 months	0.62	1.06	2.53	0.007	0.31	2.0	3.30
Leodeline weight loop of 17 months, $H = 0.000 - 0.000 - 0.0000$		1 00	1.00	0.0004	0.40	0.40	1.00
redicting weight loss at 12 months: $A = 0.05$, $A = 81$, $P(2,38) = 35.2$, $P < 0.0001$		1.66	4.20	0.0001	0.46	2.13	4.20
Change in self-efficacy from baseline to 12 months (12 months minus baseline value)	0.46	0 70	0 10	0 0001	0 10	1 0	4 60





What More Might Have Been Needed? Table 3. Percentage (%) of subjects who reported "Somewhat agreeing" and "completely agreeing" with the suggestions of what more should they have needed during the program. (n = 45).

"What more would I have needed" 1 Personal will power 7	2 2	24	36	48
Personal will power 7				
Personal will power 7	_			
	5	83	91	91
Personal self-trust (self-efficacy) 7	0 ′	76	81	84
Advice on dietary control in special 6	6 ′	72	75	64
situations				
Advice on physical activity to support 6	1 :	53	58	41
weight-loss				
Advice on a healthy diet 5	5 :	53	48	47
Contact with a group leader 5	2 :	52	54 (62
			\langle	\bigcirc

Table 3. (Continued) Percentage (%) of subjects who reported "Somewhat agreeing" and "completely agreeing" with the suggestions of what more should they have needed during the program. (n = 45).

	Week						
"What more would I have needed"	12	24	36	48			
Written feedback on my progress	39	34	48	44			
Oral feedback on my progress	32	39	41	47			
Contact with a group	34	34	44	42			
Support from my environment	34	43	53	44			
Longer intervals in contact	7	11	2	9			

Conclusions

• The programs are feasible and effective in supporting shortand long-term weight loss in healthy adults with access to mobile phones and the Internet.

Conclusions (cont'd)

- Additional information for dieters on a healthy diet and physical activity might be helpful.
- The results might be improved by on-line presence of a therapist, instructor, or group leader.

Conclusions (cont'd)

- Good results in minimal-advice teletechnology-based interventions are an indication of people's <u>self-directedness</u> and the <u>need for client-centered options</u> in the treatment of overweight.
- In the future, similar programs aimed at the adolescents should be developed and tested.





Thank <u>y</u>	you!
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Thank you!

• Task 4 relates to mobile technology.