

2704-2025

John C. Ball Alan Ross

The Effectiveness of Methadone Maintenance Treatment

Patients, Programs,
Services, and Outcome

Foreword by Vincent P. Dole

With 11 Illustrations



Springer-Verlag
New York Berlin Heidelberg London
Paris Tokyo Hong Kong Barcelona

Contents

Foreword	vii
Acknowledgments	ix
1 Status of Methadone Maintenance Treatment and Research in the United States	1
Current Status of Methadone Maintenance Treatment	2
The AIDS Era	4
Prior Research and Treatment Evaluation of Methadone Maintenance	4
The “Black Box” of Methadone Maintenance Treatment .	5
Four-Domain Schema for Treatment Evaluation	8
Conclusion	11
References	12
2 Research Plan and Data Collection Procedure at the Programs	15
Objective of the Study	15
Development of the Research Design	16
Data Collection at the Programs	23
Collecting Treatment Domain and Output Data in 1985 ...	26
Patient Interviews in 1985 and 1986	29
Treatment Domain Data Collection in 1986	32
Record Data Collection and Assessment in 1986	33
Other Sources of Data	34
Conclusion	35
References	36
3 Pretreatment Characteristics of 617 Male Methadone Maintenance Patients	38
Characteristics of the Addict Patients	38
Commonality Among the Addict Patients	48
Conclusion	51
References	53

4	Candid Descriptions of the Six Programs	54
	On-Site Data Collection During 3 Years	54
	The Six Programs	57
	Discussion	101
	References	103
5	Treatment Domain	104
	Elements of the Treatment Domain	105
	Measurement of the Treatment Domain	118
	Additional Areas of Measurement	120
	Conclusion	122
6	Treatment and Rehabilitation Provided to Patients at the Six Programs in 1985 & 1986	124
	Measurement of Services Provided	124
	Daily Hours of Operation	125
	Methadone Dispensing Practices at the Six Programs	127
	Urinalysis	135
	Counseling Services	136
	Medical Services	145
	Year to Year Change in the Provision of Treatment Services	151
	Overview of Measurement and Assessment	155
	Conclusion	156
7	Reduction in Drug Abuse During Methadone Maintenance Treatment	160
	Issues and Plan of Analysis	160
	Pretreatment Drug Abuse Prevalence	161
	Reduction in Drug Abuse During Methadone Maintenance Treatment	162
	Differences Among the Six Programs in Reducing IV Drug Use	170
	Discussion	171
	Conclusion	174
	References	174
8	Follow-up Study of 105 Patients Who Left Treatment	176
	Rates of Retention in Treatment	176
	Follow-up of Patients Who Left Treatment	177
	Relapse to IV Drug Use After Treatment	181
	Discussion	184
	Conclusion	186
	References	187

9	Prevalence and Change in Psychiatric Symptomatology Among Methadone Maintenance Patients	188
	Lifetime Prevalence of Psychiatric Symptoms	189
	Recent Psychiatric Symptoms	189
	Psychiatric Severity Composite Scores by Time in Treatment	190
	Discussion	193
	References	194
10	Reduction of Crime Through Methadone Maintenance Treatment	195
	Measurement of Crime Among Heroin Addicts	196
	Pretreatment Criminality of Addict Patients	196
	Reduction in Crime During Methadone Maintenance Treatment	202
	Discussion	208
	References	211
11	Treatment Success: Association With Patient Baseline, Program Elements, and In-treatment Process	212
	Research Questions Addressed	213
	The Data	214
	Patient Groups	224
	Statistical Procedures	225
	Findings: Outcomes and Independent Variables	226
	Discussion and Conclusion	230
	References	232
12	Summation of Findings and Conclusion	233
	Obtaining Comprehensive Program Data	234
	Interviewing Patients at the Six Programs	234
	Candid Program Descriptions	235
	Treatment Domain	236
	Treatment Provided	238
	Determination of Effectiveness	239
	Reduction in Crime	241
	Multivariate Analysis	242
	Local Environment and City	242
	Conclusion	244
	References	244
	Appendix A: 89 Measures of the Treatment Domain	245