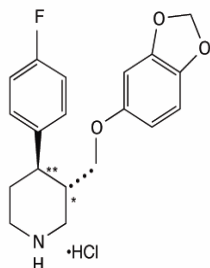


## PRESCRIBING INFORMATION

1  
2  
3 **PAXIL<sup>®</sup>**  
4 **(paroxetine hydrochloride)**  
5 **Tablets and Oral Suspension**

6 **DESCRIPTION**

7 PAXIL (paroxetine hydrochloride) is an orally administered psychotropic drug. It is the  
8 hydrochloride salt of a phenylpiperidine compound identified chemically as (-)-*trans*-4*R*-(4'-  
9 fluorophenyl)-3*S*-[(3',4'-methylenedioxyphenoxy) methyl] piperidine hydrochloride hemihydrate  
10 and has the empirical formula of C<sub>19</sub>H<sub>20</sub>FNO<sub>3</sub>•HCl•1/2H<sub>2</sub>O. The molecular weight is 374.8  
11 (329.4 as free base). The structural formula of paroxetine hydrochloride is:



12  
13 Paroxetine hydrochloride is an odorless, off-white powder, having a melting point range of  
14 120° to 138°C and a solubility of 5.4 mg/mL in water.

15 **Tablets:** Each film-coated tablet contains paroxetine hydrochloride equivalent to paroxetine as  
16 follows: 10 mg–yellow (scored); 20 mg–pink (scored); 30 mg–blue, 40 mg–green. Inactive  
17 ingredients consist of dibasic calcium phosphate dihydrate, hypromellose, magnesium stearate,  
18 polyethylene glycols, polysorbate 80, sodium starch glycolate, titanium dioxide, and 1 or more of  
19 the following: D&C Red No. 30, D&C Yellow No. 10, FD&C Blue No. 2, FD&C Yellow No. 6.

20 **Suspension for Oral Administration:** Each 5 mL of orange-colored, orange-flavored liquid  
21 contains paroxetine hydrochloride equivalent to paroxetine, 10 mg. Inactive ingredients consist  
22 of polacrillin potassium, microcrystalline cellulose, propylene glycol, glycerin, sorbitol, methyl  
23 paraben, propyl paraben, sodium citrate dihydrate, citric acid anhydrate, sodium saccharin,  
24 flavorings, FD&C Yellow No. 6, and simethicone emulsion, USP.

25 **CLINICAL PHARMACOLOGY**

26 **Pharmacodynamics:** The efficacy of paroxetine in the treatment of major depressive  
27 disorder, social anxiety disorder, obsessive compulsive disorder (OCD), panic disorder (PD),  
28 generalized anxiety disorder (GAD), and posttraumatic stress disorder (PTSD) is presumed to be  
29 linked to potentiation of serotonergic activity in the central nervous system resulting from  
30 inhibition of neuronal reuptake of serotonin (5-hydroxy-tryptamine, 5-HT). Studies at clinically  
31 relevant doses in humans have demonstrated that paroxetine blocks the uptake of serotonin into  
32 human platelets. In vitro studies in animals also suggest that paroxetine is a potent and highly

33 selective inhibitor of neuronal serotonin reuptake and has only very weak effects on  
34 norepinephrine and dopamine neuronal reuptake. In vitro radioligand binding studies indicate  
35 that paroxetine has little affinity for muscarinic,  $\alpha_1$ -,  $\alpha_2$ -, beta-adrenergic-, dopamine  
36 ( $D_2$ )-, 5-HT<sub>1</sub>-, 5-HT<sub>2</sub>-, and histamine ( $H_1$ )-receptors; antagonism of muscarinic, histaminergic,  
37 and  $\alpha_1$ -adrenergic receptors has been associated with various anticholinergic, sedative, and  
38 cardiovascular effects for other psychotropic drugs.

39 Because the relative potencies of paroxetine's major metabolites are at most 1/50 of the parent  
40 compound, they are essentially inactive.

41 **Pharmacokinetics:** Paroxetine is equally bioavailable from the oral suspension and tablet.

42 Paroxetine hydrochloride is completely absorbed after oral dosing of a solution of the  
43 hydrochloride salt. In a study in which normal male subjects (n = 15) received 30 mg tablets  
44 daily for 30 days, steady-state paroxetine concentrations were achieved by approximately  
45 10 days for most subjects, although it may take substantially longer in an occasional patient. At  
46 steady state, mean values of  $C_{max}$ ,  $T_{max}$ ,  $C_{min}$ , and  $T_{1/2}$  were 61.7 ng/mL (CV 45%), 5.2 hr.  
47 (CV 10%), 30.7 ng/mL (CV 67%), and 21.0 hr. (CV 32%), respectively. The steady-state  $C_{max}$   
48 and  $C_{min}$  values were about 6 and 14 times what would be predicted from single-dose studies.  
49 Steady-state drug exposure based on  $AUC_{0-24}$  was about 8 times greater than would have been  
50 predicted from single-dose data in these subjects. The excess accumulation is a consequence of  
51 the fact that 1 of the enzymes that metabolizes paroxetine is readily saturable.

52 In steady-state dose proportionality studies involving elderly and nonelderly patients, at doses  
53 of 20 mg to 40 mg daily for the elderly and 20 mg to 50 mg daily for the nonelderly, some  
54 nonlinearity was observed in both populations, again reflecting a saturable metabolic pathway. In  
55 comparison to  $C_{min}$  values after 20 mg daily, values after 40 mg daily were only about 2 to 3  
56 times greater than doubled.

57 The effects of food on the bioavailability of paroxetine were studied in subjects administered  
58 a single dose with and without food. AUC was only slightly increased (6%) when drug was  
59 administered with food but the  $C_{max}$  was 29% greater, while the time to reach peak plasma  
60 concentration decreased from 6.4 hours post-dosing to 4.9 hours.

61 Paroxetine is extensively metabolized after oral administration. The principal metabolites are  
62 polar and conjugated products of oxidation and methylation, which are readily cleared.  
63 Conjugates with glucuronic acid and sulfate predominate, and major metabolites have been  
64 isolated and identified. Data indicate that the metabolites have no more than 1/50 the potency of  
65 the parent compound at inhibiting serotonin uptake. The metabolism of paroxetine is  
66 accomplished in part by cytochrome P<sub>450</sub>IID<sub>6</sub>. Saturation of this enzyme at clinical doses appears  
67 to account for the nonlinearity of paroxetine kinetics with increasing dose and increasing  
68 duration of treatment. The role of this enzyme in paroxetine metabolism also suggests potential  
69 drug-drug interactions (see [PRECAUTIONS](#)).

70 Approximately 64% of a 30-mg oral solution dose of paroxetine was excreted in the urine  
71 with 2% as the parent compound and 62% as metabolites over a 10-day post-dosing period.

72 About 36% was excreted in the feces (probably via the bile), mostly as metabolites and less than  
73 1% as the parent compound over the 10-day post-dosing period.

74 **Distribution:** Paroxetine distributes throughout the body, including the CNS, with only 1%  
75 remaining in the plasma.

76 **Protein Binding:** Approximately 95% and 93% of paroxetine is bound to plasma protein at  
77 100 ng/mL and 400 ng/mL, respectively. Under clinical conditions, paroxetine concentrations  
78 would normally be less than 400 ng/mL. Paroxetine does not alter the in vitro protein binding of  
79 phenytoin or warfarin.

80 **Renal and Liver Disease:** Increased plasma concentrations of paroxetine occur in subjects  
81 with renal and hepatic impairment. The mean plasma concentrations in patients with creatinine  
82 clearance below 30 mL/min. was approximately 4 times greater than seen in normal volunteers.  
83 Patients with creatinine clearance of 30 to 60 mL/min. and patients with hepatic functional  
84 impairment had about a 2-fold increase in plasma concentrations (AUC,  $C_{max}$ ).

85 The initial dosage should therefore be reduced in patients with severe renal or hepatic  
86 impairment, and upward titration, if necessary, should be at increased intervals (see [DOSAGE](#)  
87 [AND ADMINISTRATION](#)).

88 **Elderly Patients:** In a multiple-dose study in the elderly at daily paroxetine doses of 20, 30,  
89 and 40 mg,  $C_{min}$  concentrations were about 70% to 80% greater than the respective  $C_{min}$   
90 concentrations in nonelderly subjects. Therefore the initial dosage in the elderly should be  
91 reduced (see [DOSAGE AND ADMINISTRATION](#)).

## 92 **Clinical Trials**

93 **Major Depressive Disorder:** The efficacy of PAXIL as a treatment for major depressive  
94 disorder has been established in 6 placebo-controlled studies of patients with major depressive  
95 disorder (aged 18 to 73). In these studies, PAXIL was shown to be significantly more effective  
96 than placebo in treating major depressive disorder by at least 2 of the following measures:  
97 Hamilton Depression Rating Scale (HDRS), the Hamilton depressed mood item, and the Clinical  
98 Global Impression (CGI)-Severity of Illness. PAXIL was significantly better than placebo in  
99 improvement of the HDRS sub-factor scores, including the depressed mood item, sleep  
100 disturbance factor, and anxiety factor.

101 A study of outpatients with major depressive disorder who had responded to PAXIL (HDRS  
102 total score <8) during an initial 8-week open-treatment phase and were then randomized to  
103 continuation on PAXIL or placebo for 1 year demonstrated a significantly lower relapse rate for  
104 patients taking PAXIL (15%) compared to those on placebo (39%). Effectiveness was similar for  
105 male and female patients.

106 **Obsessive Compulsive Disorder:** The effectiveness of PAXIL in the treatment of obsessive  
107 compulsive disorder (OCD) was demonstrated in two 12-week multicenter placebo-controlled  
108 studies of adult outpatients (Studies 1 and 2). Patients in all studies had moderate to severe OCD  
109 (DSM-III-R) with mean baseline ratings on the Yale Brown Obsessive Compulsive Scale  
110 (YBOCS) total score ranging from 23 to 26. Study 1, a dose-range finding study where patients

111 were treated with fixed doses of 20, 40, or 60 mg of paroxetine/day demonstrated that daily  
 112 doses of paroxetine 40 and 60 mg are effective in the treatment of OCD. Patients receiving doses  
 113 of 40 and 60 mg paroxetine experienced a mean reduction of approximately 6 and 7 points,  
 114 respectively, on the YBOCS total score which was significantly greater than the approximate 4-  
 115 point reduction at 20 mg and a 3-point reduction in the placebo-treated patients. Study 2 was a  
 116 flexible-dose study comparing paroxetine (20 to 60 mg daily) with clomipramine (25 to 250 mg  
 117 daily). In this study, patients receiving paroxetine experienced a mean reduction of  
 118 approximately 7 points on the YBOCS total score, which was significantly greater than the mean  
 119 reduction of approximately 4 points in placebo-treated patients.

120 The following table provides the outcome classification by treatment group on Global  
 121 Improvement items of the Clinical Global Impression (CGI) scale for Study 1.

122

<b>Outcome Classification (%) on CGI-Global Improvement Item for Completers in Study 1</b>				
<b>Outcome Classification</b>	<b>Placebo (n = 74)</b>	<b>PAXIL 20 mg (n = 75)</b>	<b>PAXIL 40 mg (n = 66)</b>	<b>PAXIL 60 mg (n = 66)</b>
Worse	14%	7%	7%	3%
No Change	44%	35%	22%	19%
Minimally Improved	24%	33%	29%	34%
Much Improved	11%	18%	22%	24%
Very Much Improved	7%	7%	20%	20%

123

124 Subgroup analyses did not indicate that there were any differences in treatment outcomes as a  
 125 function of age or gender.

126 The long-term maintenance effects of PAXIL in OCD were demonstrated in a long-term  
 127 extension to Study 1. Patients who were responders on paroxetine during the 3-month  
 128 double-blind phase and a 6-month extension on open-label paroxetine (20 to 60 mg/day) were  
 129 randomized to either paroxetine or placebo in a 6-month double-blind relapse prevention phase.  
 130 Patients randomized to paroxetine were significantly less likely to relapse than comparably  
 131 treated patients who were randomized to placebo.

132 **Panic Disorder:** The effectiveness of PAXIL in the treatment of panic disorder was  
 133 demonstrated in three 10- to 12-week multicenter, placebo-controlled studies of adult outpatients  
 134 (Studies 1-3). Patients in all studies had panic disorder (DSM-III-R), with or without agoraphobia.  
 135 In these studies, PAXIL was shown to be significantly more effective than placebo in treating  
 136 panic disorder by at least 2 out of 3 measures of panic attack frequency and on the Clinical  
 137 Global Impression Severity of Illness score.

138 Study 1 was a 10-week dose-range finding study; patients were treated with fixed paroxetine  
 139 doses of 10, 20, or 40 mg/day or placebo. A significant difference from placebo was observed  
 140 only for the 40 mg/day group. At endpoint, 76% of patients receiving paroxetine 40 mg/day were  
 141 free of panic attacks, compared to 44% of placebo-treated patients.

142 Study 2 was a 12-week flexible-dose study comparing paroxetine (10 to 60 mg daily) and  
143 placebo. At endpoint, 51% of paroxetine patients were free of panic attacks compared to 32% of  
144 placebo-treated patients.

145 Study 3 was a 12-week flexible-dose study comparing paroxetine (10 to 60 mg daily) to  
146 placebo in patients concurrently receiving standardized cognitive behavioral therapy. At  
147 endpoint, 33% of the paroxetine-treated patients showed a reduction to 0 or 1 panic attacks  
148 compared to 14% of placebo patients.

149 In both Studies 2 and 3, the mean paroxetine dose for completers at endpoint was  
150 approximately 40 mg/day of paroxetine.

151 Long-term maintenance effects of PAXIL in panic disorder were demonstrated in an  
152 extension to Study 1. Patients who were responders during the 10-week double-blind phase and  
153 during a 3-month double-blind extension phase were randomized to either paroxetine (10, 20, or  
154 40 mg/day) or placebo in a 3-month double-blind relapse prevention phase. Patients randomized  
155 to paroxetine were significantly less likely to relapse than comparably treated patients who were  
156 randomized to placebo.

157 Subgroup analyses did not indicate that there were any differences in treatment outcomes as a  
158 function of age or gender.

159 **Social Anxiety Disorder:** The effectiveness of PAXIL in the treatment of social anxiety  
160 disorder was demonstrated in three 12-week, multicenter, placebo-controlled studies (Studies 1,  
161 2, and 3) of adult outpatients with social anxiety disorder (DSM-IV). In these studies, the  
162 effectiveness of PAXIL compared to placebo was evaluated on the basis of (1) the proportion of  
163 responders, as defined by a Clinical Global Impression (CGI) Improvement score of 1 (very  
164 much improved) or 2 (much improved), and (2) change from baseline in the Liebowitz Social  
165 Anxiety Scale (LSAS).

166 Studies 1 and 2 were flexible-dose studies comparing paroxetine (20 to 50 mg daily) and  
167 placebo. Paroxetine demonstrated statistically significant superiority over placebo on both the  
168 CGI Improvement responder criterion and the Liebowitz Social Anxiety Scale (LSAS). In  
169 Study 1, for patients who completed to week 12, 69% of paroxetine-treated patients compared to  
170 29% of placebo-treated patients were CGI Improvement responders. In Study 2, CGI  
171 Improvement responders were 77% and 42% for the paroxetine- and placebo-treated patients,  
172 respectively.

173 Study 3 was a 12-week study comparing fixed paroxetine doses of 20, 40, or 60 mg/day with  
174 placebo. Paroxetine 20 mg was demonstrated to be significantly superior to placebo on both the  
175 LSAS Total Score and the CGI Improvement responder criterion; there were trends for  
176 superiority over placebo for the 40 mg and 60 mg/day dose groups. There was no indication in  
177 this study of any additional benefit for doses higher than 20 mg/day.

178 Subgroup analyses generally did not indicate differences in treatment outcomes as a function  
179 of age, race, or gender.

180 **Generalized Anxiety Disorder:** The effectiveness of PAXIL in the treatment of Generalized  
181 Anxiety Disorder (GAD) was demonstrated in two 8-week, multicenter, placebo-controlled  
182 studies (Studies 1 and 2) of adult outpatients with Generalized Anxiety Disorder (DSM-IV).

183 Study 1 was an 8-week study comparing fixed paroxetine doses of 20 mg or 40 mg/day with  
184 placebo. Doses of 20 mg or 40 mg of PAXIL were both demonstrated to be significantly superior  
185 to placebo on the Hamilton Rating Scale for Anxiety (HAM-A) total score. There was not  
186 sufficient evidence in this study to suggest a greater benefit for the 40 mg/day dose compared to  
187 the 20 mg/day dose.

188 Study 2 was a flexible-dose study comparing paroxetine (20 mg to 50 mg daily) and placebo.  
189 PAXIL demonstrated statistically significant superiority over placebo on the Hamilton Rating  
190 Scale for Anxiety (HAM-A) total score. A third study, also flexible-dose comparing paroxetine  
191 (20 mg to 50 mg daily), did not demonstrate statistically significant superiority of PAXIL over  
192 placebo on the Hamilton Rating Scale for Anxiety (HAM-A) total score, the primary outcome.

193 Subgroup analyses did not indicate differences in treatment outcomes as a function of race or  
194 gender. There were insufficient elderly patients to conduct subgroup analyses on the basis of age.

195 In a longer-term trial, 566 patients meeting DSM-IV criteria for Generalized Anxiety  
196 Disorder, who had responded during a single-blind, 8-week acute treatment phase with 20 to  
197 50 mg/day of PAXIL, were randomized to continuation of PAXIL at their same dose, or to  
198 placebo, for up to 24 weeks of observation for relapse. Response during the single-blind phase  
199 was defined by having a decrease of  $\geq 2$  points compared to baseline on the CGI-Severity of  
200 Illness scale, to a score of  $\leq 3$ . Relapse during the double-blind phase was defined as an increase  
201 of  $\geq 2$  points compared to baseline on the CGI-Severity of Illness scale to a score of  $\geq 4$ , or  
202 withdrawal due to lack of efficacy. Patients receiving continued PAXIL experienced a  
203 significantly lower relapse rate over the subsequent 24 weeks compared to those receiving  
204 placebo.

205 **Posttraumatic Stress Disorder:** The effectiveness of PAXIL in the treatment of  
206 Posttraumatic Stress Disorder (PTSD) was demonstrated in two 12-week, multicenter, placebo-  
207 controlled studies (Studies 1 and 2) of adult outpatients who met DSM-IV criteria for PTSD. The  
208 mean duration of PTSD symptoms for the 2 studies combined was 13 years (ranging from .1 year  
209 to 57 years). The percentage of patients with secondary major depressive disorder or non-PTSD  
210 anxiety disorders in the combined 2 studies was 41% (356 out of 858 patients) and 40% (345 out  
211 of 858 patients), respectively. Study outcome was assessed by (i) the Clinician-Administered  
212 PTSD Scale Part 2 (CAPS-2) score and (ii) the Clinical Global Impression-Global Improvement  
213 Scale (CGI-I). The CAPS-2 is a multi-item instrument that measures 3 aspects of PTSD with the  
214 following symptom clusters: Reexperiencing/intrusion, avoidance/numbing and hyperarousal.  
215 The 2 primary outcomes for each trial were (i) change from baseline to endpoint on the CAPS-2  
216 total score (17 items), and (ii) proportion of responders on the CGI-I, where responders were  
217 defined as patients having a score of 1 (very much improved) or 2 (much improved).

218 Study 1 was a 12-week study comparing fixed paroxetine doses of 20 mg or 40 mg/day to  
219 placebo. Doses of 20 mg and 40 mg of PAXIL were demonstrated to be significantly superior to

220 placebo on change from baseline for the CAPS-2 total score and on proportion of responders on  
221 the CGI-I. There was not sufficient evidence in this study to suggest a greater benefit for the  
222 40 mg/day dose compared to the 20 mg/day dose.

223 Study 2 was a 12-week flexible-dose study comparing paroxetine (20 to 50 mg daily) to  
224 placebo. PAXIL was demonstrated to be significantly superior to placebo on change from  
225 baseline for the CAPS-2 total score and on proportion of responders on the CGI-I.

226 A third study, also a flexible-dose study comparing paroxetine (20 to 50 mg daily) to placebo,  
227 demonstrated PAXIL to be significantly superior to placebo on change from baseline for CAPS-  
228 2 total score, but not on proportion of responders on the CGI-I.

229 The majority of patients in these trials were women (68% women: 377 out of 551 subjects in  
230 Study 1 and 66% women: 202 out of 303 subjects in Study 2). Subgroup analyses did not  
231 indicate differences in treatment outcomes as a function of gender. There were an insufficient  
232 number of patients who were 65 years and older or were non-Caucasian to conduct subgroup  
233 analyses on the basis of age or race, respectively.

## 234 **INDICATIONS AND USAGE**

235 **Major Depressive Disorder:** PAXIL is indicated for the treatment of major depressive  
236 disorder.

237 The efficacy of PAXIL in the treatment of a major depressive episode was established in  
238 6-week controlled trials of outpatients whose diagnoses corresponded most closely to the  
239 DSM-III category of major depressive disorder (see CLINICAL PHARMACOLOGY—[Clinical  
240 Trials](#)). A major depressive episode implies a prominent and relatively persistent depressed or  
241 dysphoric mood that usually interferes with daily functioning (nearly every day for at least  
242 2 weeks); it should include at least 4 of the following 8 symptoms: Change in appetite, change in  
243 sleep, psychomotor agitation or retardation, loss of interest in usual activities or decrease in  
244 sexual drive, increased fatigue, feelings of guilt or worthlessness, slowed thinking or impaired  
245 concentration, and a suicide attempt or suicidal ideation.

246 The effects of PAXIL in hospitalized depressed patients have not been adequately studied.

247 The efficacy of PAXIL in maintaining a response in major depressive disorder for up to 1 year  
248 was demonstrated in a placebo-controlled trial (see CLINICAL PHARMACOLOGY—[Clinical  
249 Trials](#)). Nevertheless, the physician who elects to use PAXIL for extended periods should  
250 periodically re-evaluate the long-term usefulness of the drug for the individual patient.

251 **Obsessive Compulsive Disorder:** PAXIL is indicated for the treatment of obsessions and  
252 compulsions in patients with obsessive compulsive disorder (OCD) as defined in the DSM-IV.  
253 The obsessions or compulsions cause marked distress, are time-consuming, or significantly  
254 interfere with social or occupational functioning.

255 The efficacy of PAXIL was established in two 12-week trials with obsessive compulsive  
256 outpatients whose diagnoses corresponded most closely to the DSM-III-R category of obsessive  
257 compulsive disorder (see CLINICAL PHARMACOLOGY—[Clinical Trials](#)).

258 Obsessive compulsive disorder is characterized by recurrent and persistent ideas, thoughts,  
259 impulses, or images (obsessions) that are ego-dystonic and/or repetitive, purposeful, and  
260 intentional behaviors (compulsions) that are recognized by the person as excessive or  
261 unreasonable.

262 Long-term maintenance of efficacy was demonstrated in a 6-month relapse prevention trial. In  
263 this trial, patients assigned to paroxetine showed a lower relapse rate compared to patients on  
264 placebo (see [CLINICAL PHARMACOLOGY—Clinical Trials](#)). Nevertheless, the physician  
265 who elects to use PAXIL for extended periods should periodically re-evaluate the long-term  
266 usefulness of the drug for the individual patient (see [DOSAGE AND ADMINISTRATION](#)).

267 **Panic Disorder:** PAXIL is indicated for the treatment of panic disorder, with or without  
268 agoraphobia, as defined in DSM-IV. Panic disorder is characterized by the occurrence of  
269 unexpected panic attacks and associated concern about having additional attacks, worry about  
270 the implications or consequences of the attacks, and/or a significant change in behavior related to  
271 the attacks.

272 The efficacy of PAXIL was established in three 10- to 12-week trials in panic disorder  
273 patients whose diagnoses corresponded to the DSM-III-R category of panic disorder (see  
274 [CLINICAL PHARMACOLOGY—Clinical Trials](#)).

275 Panic disorder (DSM-IV) is characterized by recurrent unexpected panic attacks, i.e., a  
276 discrete period of intense fear or discomfort in which 4 (or more) of the following symptoms  
277 develop abruptly and reach a peak within 10 minutes: (1) palpitations, pounding heart, or  
278 accelerated heart rate; (2) sweating; (3) trembling or shaking; (4) sensations of shortness of  
279 breath or smothering; (5) feeling of choking; (6) chest pain or discomfort; (7) nausea or  
280 abdominal distress; (8) feeling dizzy, unsteady, lightheaded, or faint; (9) derealization (feelings  
281 of unreality) or depersonalization (being detached from oneself); (10) fear of losing control;  
282 (11) fear of dying; (12) paresthesias (numbness or tingling sensations); (13) chills or hot flushes.

283 Long-term maintenance of efficacy was demonstrated in a 3-month relapse prevention trial. In  
284 this trial, patients with panic disorder assigned to paroxetine demonstrated a lower relapse rate  
285 compared to patients on placebo (see [CLINICAL PHARMACOLOGY—Clinical Trials](#)).  
286 Nevertheless, the physician who prescribes PAXIL for extended periods should periodically  
287 re-evaluate the long-term usefulness of the drug for the individual patient.

288 **Social Anxiety Disorder:** PAXIL is indicated for the treatment of social anxiety disorder,  
289 also known as social phobia, as defined in DSM-IV (300.23). Social anxiety disorder is  
290 characterized by a marked and persistent fear of 1 or more social or performance situations in  
291 which the person is exposed to unfamiliar people or to possible scrutiny by others. Exposure to  
292 the feared situation almost invariably provokes anxiety, which may approach the intensity of a  
293 panic attack. The feared situations are avoided or endured with intense anxiety or distress. The  
294 avoidance, anxious anticipation, or distress in the feared situation(s) interferes significantly with  
295 the person's normal routine, occupational or academic functioning, or social activities or  
296 relationships, or there is marked distress about having the phobias. Lesser degrees of  
297 performance anxiety or shyness generally do not require psychopharmacological treatment.



298 The efficacy of PAXIL was established in three 12-week trials in adult patients with social  
299 anxiety disorder (DSM-IV). PAXIL has not been studied in children or adolescents with social  
300 phobia (see CLINICAL PHARMACOLOGY—[Clinical Trials](#)).

301 The effectiveness of PAXIL in long-term treatment of social anxiety disorder, i.e., for more  
302 than 12 weeks, has not been systematically evaluated in adequate and well-controlled trials.  
303 Therefore, the physician who elects to prescribe PAXIL for extended periods should periodically  
304 re-evaluate the long-term usefulness of the drug for the individual patient (see [DOSAGE AND](#)  
305 [ADMINISTRATION](#)).

306 **Generalized Anxiety Disorder:** PAXIL is indicated for the treatment of Generalized Anxiety  
307 Disorder (GAD), as defined in DSM-IV. Anxiety or tension associated with the stress of  
308 everyday life usually does not require treatment with an anxiolytic.

309 The efficacy of PAXIL in the treatment of GAD was established in two 8-week  
310 placebo-controlled trials in adults with GAD. PAXIL has not been studied in children or  
311 adolescents with Generalized Anxiety Disorder (see CLINICAL PHARMACOLOGY—[Clinical](#)  
312 [Trials](#)).

313 Generalized Anxiety Disorder (DSM-IV) is characterized by excessive anxiety and worry  
314 (apprehensive expectation) that is persistent for at least 6 months and which the person finds  
315 difficult to control. It must be associated with at least 3 of the following 6 symptoms:  
316 Restlessness or feeling keyed up or on edge, being easily fatigued, difficulty concentrating or  
317 mind going blank, irritability, muscle tension, sleep disturbance.

318 The efficacy of PAXIL in maintaining a response in patients with Generalized Anxiety  
319 Disorder, who responded during an 8-week acute treatment phase while taking PAXIL and were  
320 then observed for relapse during a period of up to 24 weeks, was demonstrated in a placebo-  
321 controlled trial (see CLINICAL PHARMACOLOGY—[Clinical Trials](#)). Nevertheless, the  
322 physician who elects to use PAXIL for extended periods should periodically re-evaluate the  
323 long-term usefulness of the drug for the individual patient (see [DOSAGE AND](#)  
324 [ADMINISTRATION](#)).

325 **Posttraumatic Stress Disorder:** PAXIL is indicated for the treatment of Posttraumatic  
326 Stress Disorder (PTSD).

327 The efficacy of PAXIL in the treatment of PTSD was established in two 12-week placebo-  
328 controlled trials in adults with PTSD (DSM-IV) (see CLINICAL PHARMACOLOGY—[Clinical](#)  
329 [Trials](#)).

330 PTSD, as defined by DSM-IV, requires exposure to a traumatic event that involved actual or  
331 threatened death or serious injury, or threat to the physical integrity of self or others, and a  
332 response that involves intense fear, helplessness, or horror. Symptoms that occur as a result of  
333 exposure to the traumatic event include reexperiencing of the event in the form of intrusive  
334 thoughts, flashbacks, or dreams, and intense psychological distress and physiological reactivity  
335 on exposure to cues to the event; avoidance of situations reminiscent of the traumatic event,  
336 inability to recall details of the event, and/or numbing of general responsiveness manifested as  
337 diminished interest in significant activities, estrangement from others, restricted range of affect,

338 or sense of foreshortened future; and symptoms of autonomic arousal including hypervigilance,  
339 exaggerated startle response, sleep disturbance, impaired concentration, and irritability or  
340 outbursts of anger. A PTSD diagnosis requires that the symptoms are present for at least a month  
341 and that they cause clinically significant distress or impairment in social, occupational, or other  
342 important areas of functioning.

343 The efficacy of PAXIL in longer-term treatment of PTSD, i.e., for more than 12 weeks, has  
344 not been systematically evaluated in placebo-controlled trials. Therefore, the physician who  
345 elects to prescribe PAXIL for extended periods should periodically re-evaluate the long-term  
346 usefulness of the drug for the individual patient (see [DOSAGE AND ADMINISTRATION](#)).

## 347 **CONTRAINDICATIONS**

348 Concomitant use in patients taking either monoamine oxidase inhibitors (MAOIs) or  
349 thioridazine is contraindicated (see [WARNINGS](#) and [PRECAUTIONS](#)).

350 PAXIL is contraindicated in patients with a hypersensitivity to paroxetine or any of the  
351 inactive ingredients in PAXIL.

## 352 **WARNINGS**

353 **Potential for Interaction With Monoamine Oxidase Inhibitors:** In patients receiving  
354 another serotonin reuptake inhibitor drug in combination with a monoamine oxidase  
355 inhibitor (MAOI), there have been reports of serious, sometimes fatal, reactions including  
356 hyperthermia, rigidity, myoclonus, autonomic instability with possible rapid fluctuations of  
357 vital signs, and mental status changes that include extreme agitation progressing to  
358 delirium and coma. These reactions have also been reported in patients who have recently  
359 discontinued that drug and have been started on an MAOI. Some cases presented with  
360 features resembling neuroleptic malignant syndrome. While there are no human data  
361 showing such an interaction with PAXIL, limited animal data on the effects of combined  
362 use of paroxetine and MAOIs suggest that these drugs may act synergistically to elevate  
363 blood pressure and evoke behavioral excitation. Therefore, it is recommended that PAXIL  
364 not be used in combination with an MAOI, or within 14 days of discontinuing treatment  
365 with an MAOI. At least 2 weeks should be allowed after stopping PAXIL before starting an  
366 MAOI.

367 **Potential Interaction With Thioridazine:** Thioridazine administration alone produces  
368 prolongation of the QTc interval, which is associated with serious ventricular arrhythmias,  
369 such as torsade de pointes–type arrhythmias, and sudden death. This effect appears to be  
370 dose related.

371 An in vivo study suggests that drugs which inhibit P<sub>450IID6</sub>, such as paroxetine, will  
372 elevate plasma levels of thioridazine. Therefore, it is recommended that paroxetine not be  
373 used in combination with thioridazine (see [CONTRAINDICATIONS](#) and  
374 [PRECAUTIONS](#)).

375 **Clinical Worsening and Suicide Risk:** Patients with major depressive disorder, both adult  
376 and pediatric, may experience worsening of their depression and/or the emergence of suicidal

377 ideation and behavior (suicidality), whether or not they are taking antidepressant medications,  
378 and this risk may persist until significant remission occurs. Although there has been a long-  
379 standing concern that antidepressants may have a role in inducing worsening of depression and  
380 the emergence of suicidality in certain patients, a causal role for antidepressants in inducing such  
381 behaviors has not been established. **Nevertheless, patients being treated with antidepressants**  
382 **should be observed closely for clinical worsening and suicidality, especially at the beginning**  
383 **of a course of drug therapy, or at the time of dose changes, either increases or decreases.**  
384 Consideration should be given to changing the therapeutic regimen, including possibly  
385 discontinuing the medication, in patients whose depression is persistently worse or whose  
386 emergent suicidality is severe, abrupt in onset, or was not part of the patient's presenting  
387 symptoms.

388 Because of the possibility of co-morbidity between major depressive disorder and other  
389 psychiatric and nonpsychiatric disorders, the same precautions observed when treating patients  
390 with major depressive disorder should be observed when treating patients with other psychiatric  
391 and nonpsychiatric disorders.

392 The following symptoms, anxiety, agitation, panic attacks, insomnia, irritability, hostility  
393 (aggressiveness), impulsivity, akathisia (psychomotor restlessness), hypomania, and mania, have  
394 been reported in adult and pediatric patients being treated with antidepressants for major  
395 depressive disorder as well as for other indications, both psychiatric and nonpsychiatric.  
396 Although a causal link between the emergence of such symptoms and either the worsening of  
397 depression and/or the emergence of suicidal impulses has not been established, consideration  
398 should be given to changing the therapeutic regimen, including possibly discontinuing the  
399 medication, in patients for whom such symptoms are severe, abrupt in onset, or were not part of  
400 the patient's presenting symptoms.

401 **Families and caregivers of patients being treated with antidepressants for major**  
402 **depressive disorder or other indications, both psychiatric and nonpsychiatric, should be**  
403 **alerted about the need to monitor patients for the emergence of agitation, irritability, and**  
404 **the other symptoms described above, as well as the emergence of suicidality, and to report**  
405 **such symptoms immediately to health care providers.** Prescriptions for PAXIL should be  
406 written for the smallest quantity of tablets consistent with good patient management, in order to  
407 reduce the risk of overdose.

408 If the decision has been made to discontinue treatment, medication should be tapered, as  
409 rapidly as is feasible, but with recognition that abrupt discontinuation can be associated with  
410 certain symptoms (see [PRECAUTIONS](#) and [DOSAGE AND ADMINISTRATION—](#)  
411 [Discontinuation of Treatment With PAXIL](#), for a description of the risks of discontinuation of  
412 PAXIL).

413 It should be noted that PAXIL is not approved for use in treating any indications in the  
414 pediatric population.

415 A major depressive episode may be the initial presentation of bipolar disorder. It is generally  
416 believed (though not established in controlled trials) that treating such an episode with an

417 antidepressant alone may increase the likelihood of precipitation of a mixed/manic episode in  
418 patients at risk for bipolar disorder. Whether any of the symptoms described above represent  
419 such a conversion is unknown. However, prior to initiating treatment with an antidepressant,  
420 patients should be adequately screened to determine if they are at risk for bipolar disorder; such  
421 screening should include a detailed psychiatric history, including a family history of suicide,  
422 bipolar disorder, and depression. It should be noted that PAXIL is not approved for use in  
423 treating bipolar depression.

## 424 **PRECAUTIONS**

425 **General: Activation of Mania/Hypomania:** During premarketing testing, hypomania or  
426 mania occurred in approximately 1.0% of unipolar patients treated with PAXIL compared to  
427 1.1% of active-control and 0.3% of placebo-treated unipolar patients. In a subset of patients  
428 classified as bipolar, the rate of manic episodes was 2.2% for PAXIL and 11.6% for the  
429 combined active-control groups. As with all drugs effective in the treatment of major depressive  
430 disorder, PAXIL should be used cautiously in patients with a history of mania.

431 **Seizures:** During premarketing testing, seizures occurred in 0.1% of patients treated with  
432 PAXIL, a rate similar to that associated with other drugs effective in the treatment of major  
433 depressive disorder. PAXIL should be used cautiously in patients with a history of seizures. It  
434 should be discontinued in any patient who develops seizures.

435 **Discontinuation of Treatment With PAXIL:** Recent clinical trials supporting the various  
436 approved indications for PAXIL employed a taper-phase regimen, rather than an abrupt  
437 discontinuation of treatment. The taper-phase regimen used in GAD and PTSD clinical trials  
438 involved an incremental decrease in the daily dose by 10 mg/day at weekly intervals. When a  
439 daily dose of 20 mg/day was reached, patients were continued on this dose for 1 week before  
440 treatment was stopped.

441 With this regimen in those studies, the following adverse events were reported at an incidence  
442 of 2% or greater for PAXIL and were at least twice that reported for placebo: Abnormal dreams,  
443 paresthesia, and dizziness. In the majority of patients, these events were mild to moderate and  
444 were self-limiting and did not require medical intervention.

445 During marketing of PAXIL and other SSRIs and SNRIs (serotonin and norepinephrine  
446 reuptake inhibitors), there have been spontaneous reports of adverse events occurring, upon the  
447 discontinuation of these drugs (particularly when abrupt), including the following: Dysphoric  
448 mood, irritability, agitation, dizziness, sensory disturbances (e.g., paresthesias such as electric  
449 shock sensations), anxiety, confusion, headache, lethargy, emotional lability, insomnia, and  
450 hypomania. While these events are generally self-limiting, there have been reports of serious  
451 discontinuation symptoms.

452 Patients should be monitored for these symptoms when discontinuing treatment with PAXIL.  
453 A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible.  
454 If intolerable symptoms occur following a decrease in the dose or upon discontinuation of  
455 treatment, then resuming the previously prescribed dose may be considered. Subsequently, the

456 physician may continue decreasing the dose but at a more gradual rate (see [DOSAGE AND](#)  
457 [ADMINISTRATION](#)).

458 **Hyponatremia:** Several cases of hyponatremia have been reported. The hyponatremia  
459 appeared to be reversible when PAXIL was discontinued. The majority of these occurrences  
460 have been in elderly individuals, some in patients taking diuretics or who were otherwise volume  
461 depleted.

462 **Abnormal Bleeding:** Published case reports have documented the occurrence of bleeding  
463 episodes in patients treated with psychotropic agents that interfere with serotonin reuptake.  
464 Subsequent epidemiological studies, both of the case-control and cohort design, have  
465 demonstrated an association between use of psychotropic drugs that interfere with serotonin  
466 reuptake and the occurrence of upper gastrointestinal bleeding. In 2 studies, concurrent use of a  
467 nonsteroidal anti-inflammatory drug (NSAID) or aspirin potentiated the risk of bleeding (see  
468 [Drug Interactions](#)). Although these studies focused on upper gastrointestinal bleeding, there is  
469 reason to believe that bleeding at other sites may be similarly potentiated. Patients should be  
470 cautioned regarding the risk of bleeding associated with the concomitant use of paroxetine with  
471 NSAIDs, aspirin, or other drugs that affect coagulation.

472 **Use in Patients With Concomitant Illness:** Clinical experience with PAXIL in patients  
473 with certain concomitant systemic illness is limited. Caution is advisable in using PAXIL in  
474 patients with diseases or conditions that could affect metabolism or hemodynamic responses.

475 As with other SSRIs, mydriasis has been infrequently reported in premarketing studies with  
476 PAXIL. A few cases of acute angle closure glaucoma associated with paroxetine therapy have  
477 been reported in the literature. As mydriasis can cause acute angle closure in patients with  
478 narrow angle glaucoma, caution should be used when PAXIL is prescribed for patients with  
479 narrow angle glaucoma.

480 PAXIL has not been evaluated or used to any appreciable extent in patients with a recent  
481 history of myocardial infarction or unstable heart disease. Patients with these diagnoses were  
482 excluded from clinical studies during the product's premarket testing. Evaluation of  
483 electrocardiograms of 682 patients who received PAXIL in double-blind, placebo-controlled  
484 trials, however, did not indicate that PAXIL is associated with the development of significant  
485 ECG abnormalities. Similarly, PAXIL does not cause any clinically important changes in heart  
486 rate or blood pressure.

487 Increased plasma concentrations of paroxetine occur in patients with severe renal impairment  
488 (creatinine clearance <30 mL/min.) or severe hepatic impairment. A lower starting dose should  
489 be used in such patients (see [DOSAGE AND ADMINISTRATION](#)).

490 **Information for Patients:** Physicians are advised to discuss the following issues with patients  
491 for whom they prescribe PAXIL:

492 Patients and their families should be encouraged to be alert to the emergence of anxiety,  
493 agitation, panic attacks, insomnia, irritability, hostility, impulsivity, akathisia, hypomania, mania,  
494 worsening of depression, and suicidal ideation, especially early during antidepressant treatment.

495 Such symptoms should be reported to the patient's physician, especially if they are severe, abrupt  
496 in onset, or were not part of the patient's presenting symptoms.

497 **Drugs That Interfere With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.):** Patients  
498 should be cautioned about the concomitant use of paroxetine and NSAIDs, aspirin, or other drugs  
499 that affect coagulation since the combined use of psychotropic drugs that interfere with serotonin  
500 reuptake and these agents has been associated with an increased risk of bleeding.

501 **Interference With Cognitive and Motor Performance:** Any psychoactive drug may  
502 impair judgment, thinking, or motor skills. Although in controlled studies PAXIL has not been  
503 shown to impair psychomotor performance, patients should be cautioned about operating  
504 hazardous machinery, including automobiles, until they are reasonably certain that therapy with  
505 PAXIL does not affect their ability to engage in such activities.

506 **Completing Course of Therapy:** While patients may notice improvement with treatment  
507 with PAXIL in 1 to 4 weeks, they should be advised to continue therapy as directed.

508 **Concomitant Medication:** Patients should be advised to inform their physician if they are  
509 taking, or plan to take, any prescription or over-the-counter drugs, since there is a potential for  
510 interactions.

511 **Alcohol:** Although PAXIL has not been shown to increase the impairment of mental and  
512 motor skills caused by alcohol, patients should be advised to avoid alcohol while taking PAXIL.

513 **Pregnancy:** Patients should be advised to notify their physician if they become pregnant or  
514 intend to become pregnant during therapy.

515 **Nursing:** Patients should be advised to notify their physician if they are breast-feeding an  
516 infant (see PRECAUTIONS—[Nursing Mothers](#)).

517 **Laboratory Tests:** There are no specific laboratory tests recommended.

518 **Drug Interactions: Tryptophan:** As with other serotonin reuptake inhibitors, an interaction  
519 between paroxetine and tryptophan may occur when they are coadministered. Adverse  
520 experiences, consisting primarily of headache, nausea, sweating, and dizziness, have been  
521 reported when tryptophan was administered to patients taking PAXIL. Consequently,  
522 concomitant use of PAXIL with tryptophan is not recommended.

523 **Monoamine Oxidase Inhibitors:** See [CONTRAINDICATIONS](#) and [WARNINGS](#).

524 **Thioridazine:** See [CONTRAINDICATIONS](#) and [WARNINGS](#).

525 **Warfarin:** Preliminary data suggest that there may be a pharmacodynamic interaction (that  
526 causes an increased bleeding diathesis in the face of unaltered prothrombin time) between  
527 paroxetine and warfarin. Since there is little clinical experience, the concomitant administration  
528 of PAXIL and warfarin should be undertaken with caution (see *Drugs That Interfere With*  
529 *Hemostasis*).

530 **Sumatriptan:** There have been rare postmarketing reports describing patients with  
531 weakness, hyperreflexia, and incoordination following the use of a selective serotonin reuptake  
532 inhibitor (SSRI) and sumatriptan. If concomitant treatment with sumatriptan and an SSRI (e.g.,  
533 fluoxetine, fluvoxamine, paroxetine, sertraline) is clinically warranted, appropriate observation  
534 of the patient is advised.

535 **Drugs Affecting Hepatic Metabolism:** The metabolism and pharmacokinetics of  
536 paroxetine may be affected by the induction or inhibition of drug-metabolizing enzymes.

537 **Cimetidine:** Cimetidine inhibits many cytochrome P<sub>450</sub> (oxidative) enzymes. In a study  
538 where PAXIL (30 mg once daily) was dosed orally for 4 weeks, steady-state plasma  
539 concentrations of paroxetine were increased by approximately 50% during coadministration with  
540 oral cimetidine (300 mg three times daily) for the final week. Therefore, when these drugs are  
541 administered concurrently, dosage adjustment of PAXIL after the 20-mg starting dose should be  
542 guided by clinical effect. The effect of paroxetine on cimetidine's pharmacokinetics was not  
543 studied.

544 **Phenobarbital:** Phenobarbital induces many cytochrome P<sub>450</sub> (oxidative) enzymes. When a  
545 single oral 30-mg dose of PAXIL was administered at phenobarbital steady state (100 mg once  
546 daily for 14 days), paroxetine AUC and T<sub>1/2</sub> were reduced (by an average of 25% and 38%,  
547 respectively) compared to paroxetine administered alone. The effect of paroxetine on  
548 phenobarbital pharmacokinetics was not studied. Since PAXIL exhibits nonlinear  
549 pharmacokinetics, the results of this study may not address the case where the 2 drugs are both  
550 being chronically dosed. No initial dosage adjustment of PAXIL is considered necessary when  
551 coadministered with phenobarbital; any subsequent adjustment should be guided by clinical  
552 effect.

553 **Phenytoin:** When a single oral 30-mg dose of PAXIL was administered at phenytoin steady  
554 state (300 mg once daily for 14 days), paroxetine AUC and T<sub>1/2</sub> were reduced (by an average of  
555 50% and 35%, respectively) compared to PAXIL administered alone. In a separate study, when a  
556 single oral 300-mg dose of phenytoin was administered at paroxetine steady state (30 mg once  
557 daily for 14 days), phenytoin AUC was slightly reduced (12% on average) compared to  
558 phenytoin administered alone. Since both drugs exhibit nonlinear pharmacokinetics, the above  
559 studies may not address the case where the 2 drugs are both being chronically dosed. No initial  
560 dosage adjustments are considered necessary when these drugs are coadministered; any  
561 subsequent adjustments should be guided by clinical effect (see ADVERSE REACTIONS—  
562 [Postmarketing Reports](#)).

563 **Drugs Metabolized by Cytochrome P<sub>450</sub>IID<sub>6</sub>:** Many drugs, including most drugs  
564 effective in the treatment of major depressive disorder (paroxetine, other SSRIs and many  
565 tricyclics), are metabolized by the cytochrome P<sub>450</sub> isozyme P<sub>450</sub>IID<sub>6</sub>. Like other agents that are  
566 metabolized by P<sub>450</sub>IID<sub>6</sub>, paroxetine may significantly inhibit the activity of this isozyme. In  
567 most patients (>90%), this P<sub>450</sub>IID<sub>6</sub> isozyme is saturated early during dosing with PAXIL. In 1  
568 study, daily dosing of PAXIL (20 mg once daily) under steady-state conditions increased single  
569 dose desipramine (100 mg) C<sub>max</sub>, AUC, and T<sub>1/2</sub> by an average of approximately 2-, 5-, and  
570 3-fold, respectively. Concomitant use of PAXIL with other drugs metabolized by cytochrome  
571 P<sub>450</sub>IID<sub>6</sub> has not been formally studied but may require lower doses than usually prescribed for  
572 either PAXIL or the other drug.

573 Therefore, coadministration of PAXIL with other drugs that are metabolized by this isozyme,  
574 including certain drugs effective in the treatment of major depressive disorder (e.g., nortriptyline,

575 amitriptyline, imipramine, desipramine, and fluoxetine), phenothiazines, risperidone, and Type  
576 1C antiarrhythmics (e.g., propafenone, flecainide, and encainide), or that inhibit this enzyme  
577 (e.g., quinidine), should be approached with caution.

578 However, due to the risk of serious ventricular arrhythmias and sudden death potentially  
579 associated with elevated plasma levels of thioridazine, paroxetine and thioridazine should not be  
580 coadministered (see [CONTRAINDICATIONS](#) and [WARNINGS](#)).

581 At steady state, when the  $P_{450IID_6}$  pathway is essentially saturated, paroxetine clearance is  
582 governed by alternative  $P_{450}$  isozymes that, unlike  $P_{450IID_6}$ , show no evidence of saturation (see  
583 [PRECAUTIONS—Tricyclic Antidepressants](#)).

584 **Drugs Metabolized by Cytochrome  $P_{450III A_4}$ :** An in vivo interaction study involving the  
585 coadministration under steady-state conditions of paroxetine and terfenadine, a substrate for  
586 cytochrome  $P_{450III A_4}$ , revealed no effect of paroxetine on terfenadine pharmacokinetics. In  
587 addition, in vitro studies have shown ketoconazole, a potent inhibitor of  $P_{450III A_4}$  activity, to be  
588 at least 100 times more potent than paroxetine as an inhibitor of the metabolism of several  
589 substrates for this enzyme, including terfenadine, astemizole, cisapride, triazolam, and  
590 cyclosporine. Based on the assumption that the relationship between paroxetine's in vitro  $K_i$  and  
591 its lack of effect on terfenadine's in vivo clearance predicts its effect on other  $III A_4$  substrates,  
592 paroxetine's extent of inhibition of  $III A_4$  activity is not likely to be of clinical significance.

593 **Tricyclic Antidepressants (TCAs):** Caution is indicated in the coadministration of  
594 tricyclic antidepressants (TCAs) with PAXIL, because paroxetine may inhibit TCA metabolism.  
595 Plasma TCA concentrations may need to be monitored, and the dose of TCA may need to be  
596 reduced, if a TCA is coadministered with PAXIL (see [PRECAUTIONS—Drugs Metabolized by](#)  
597 [Cytochrome  \$P\_{450IID\_6}\$](#) ).

598 **Drugs Highly Bound to Plasma Protein:** Because paroxetine is highly bound to plasma  
599 protein, administration of PAXIL to a patient taking another drug that is highly protein bound  
600 may cause increased free concentrations of the other drug, potentially resulting in adverse events.  
601 Conversely, adverse effects could result from displacement of paroxetine by other highly bound  
602 drugs.

603 **Drugs That Interfere With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.):**  
604 Serotonin release by platelets plays an important role in hemostasis. Epidemiological studies of  
605 the case-control and cohort design that have demonstrated an association between use of  
606 psychotropic drugs that interfere with serotonin reuptake and the occurrence of upper  
607 gastrointestinal bleeding have also shown that concurrent use of an NSAID or aspirin potentiated  
608 the risk of bleeding. Thus, patients should be cautioned about the use of such drugs concurrently  
609 with paroxetine.

610 **Alcohol:** Although PAXIL does not increase the impairment of mental and motor skills  
611 caused by alcohol, patients should be advised to avoid alcohol while taking PAXIL.

612 **Lithium:** A multiple-dose study has shown that there is no pharmacokinetic interaction  
613 between PAXIL and lithium carbonate. However, since there is little clinical experience, the  
614 concurrent administration of paroxetine and lithium should be undertaken with caution.



615 **Digoxin:** The steady-state pharmacokinetics of paroxetine was not altered when administered  
616 with digoxin at steady state. Mean digoxin AUC at steady state decreased by 15% in the  
617 presence of paroxetine. Since there is little clinical experience, the concurrent administration of  
618 paroxetine and digoxin should be undertaken with caution.

619 **Diazepam:** Under steady-state conditions, diazepam does not appear to affect paroxetine  
620 kinetics. The effects of paroxetine on diazepam were not evaluated.

621 **Procyclidine:** Daily oral dosing of PAXIL (30 mg once daily) increased steady-state AUC<sub>0-</sub>  
622 <sub>24</sub>, C<sub>max</sub>, and C<sub>min</sub> values of procyclidine (5 mg oral once daily) by 35%, 37%, and 67%,  
623 respectively, compared to procyclidine alone at steady state. If anticholinergic effects are seen,  
624 the dose of procyclidine should be reduced.

625 **Beta-Blockers:** In a study where propranolol (80 mg twice daily) was dosed orally for  
626 18 days, the established steady-state plasma concentrations of propranolol were unaltered during  
627 coadministration with PAXIL (30 mg once daily) for the final 10 days. The effects of  
628 propranolol on paroxetine have not been evaluated (see ADVERSE REACTIONS—  
629 [Postmarketing Reports](#)).

630 **Theophylline:** Reports of elevated theophylline levels associated with treatment with  
631 PAXIL have been reported. While this interaction has not been formally studied, it is  
632 recommended that theophylline levels be monitored when these drugs are concurrently  
633 administered.

634 **Electroconvulsive Therapy (ECT):** There are no clinical studies of the combined use of  
635 ECT and PAXIL.

636 **Carcinogenesis, Mutagenesis, Impairment of Fertility: Carcinogenesis:** Two-year  
637 carcinogenicity studies were conducted in rodents given paroxetine in the diet at 1, 5, and  
638 25 mg/kg/day (mice) and 1, 5, and 20 mg/kg/day (rats). These doses are up to 2.4 (mouse) and  
639 3.9 (rat) times the maximum recommended human dose (MRHD) for major depressive disorder,  
640 social anxiety disorder, GAD, and PTSD on a mg/m<sup>2</sup> basis. Because the MRHD for major  
641 depressive disorder is slightly less than that for OCD (50 mg versus 60 mg), the doses used in  
642 these carcinogenicity studies were only 2.0 (mouse) and 3.2 (rat) times the MRHD for OCD.  
643 There was a significantly greater number of male rats in the high-dose group with reticulum cell  
644 sarcomas (1/100, 0/50, 0/50, and 4/50 for control, low-, middle-, and high-dose groups,  
645 respectively) and a significantly increased linear trend across dose groups for the occurrence of  
646 lymphoreticular tumors in male rats. Female rats were not affected. Although there was a  
647 dose-related increase in the number of tumors in mice, there was no drug-related increase in the  
648 number of mice with tumors. The relevance of these findings to humans is unknown.

649 **Mutagenesis:** Paroxetine produced no genotoxic effects in a battery of 5 in vitro and 2 in  
650 vivo assays that included the following: Bacterial mutation assay, mouse lymphoma mutation  
651 assay, unscheduled DNA synthesis assay, and tests for cytogenetic aberrations in vivo in mouse  
652 bone marrow and in vitro in human lymphocytes and in a dominant lethal test in rats.

653 **Impairment of Fertility:** A reduced pregnancy rate was found in reproduction studies in  
654 rats at a dose of paroxetine of 15 mg/kg/day, which is 2.9 times the MRHD for major depressive

655 disorder, social anxiety disorder, GAD, and PTSD or 2.4 times the MRHD for OCD on a mg/m<sup>2</sup>  
656 basis. Irreversible lesions occurred in the reproductive tract of male rats after dosing in toxicity  
657 studies for 2 to 52 weeks. These lesions consisted of vacuolation of epididymal tubular  
658 epithelium at 50 mg/kg/day and atrophic changes in the seminiferous tubules of the testes with  
659 arrested spermatogenesis at 25 mg/kg/day (9.8 and 4.9 times the MRHD for major depressive  
660 disorder, social anxiety disorder, and GAD; 8.2 and 4.1 times the MRHD for OCD and PD on a  
661 mg/m<sup>2</sup> basis).

662 **Pregnancy: Teratogenic Effects:** Pregnancy Category C. Reproduction studies were  
663 performed at doses up to 50 mg/kg/day in rats and 6 mg/kg/day in rabbits administered during  
664 organogenesis. These doses are equivalent to 9.7 (rat) and 2.2 (rabbit) times the maximum  
665 recommended human dose (MRHD) for major depressive disorder, social anxiety disorder,  
666 GAD, and PTSD (50 mg) and 8.1 (rat) and 1.9 (rabbit) times the MRHD for OCD, on an mg/m<sup>2</sup>  
667 basis. These studies have revealed no evidence of teratogenic effects. However, in rats, there was  
668 an increase in pup deaths during the first 4 days of lactation when dosing occurred during the last  
669 trimester of gestation and continued throughout lactation. This effect occurred at a dose of  
670 1 mg/kg/day or 0.19 times (mg/m<sup>2</sup>) the MRHD for major depressive disorder, social anxiety  
671 disorder, GAD, and PTSD; and at 0.16 times (mg/m<sup>2</sup>) the MRHD for OCD. The no-effect dose  
672 for rat pup mortality was not determined. The cause of these deaths is not known. There are no  
673 adequate and well-controlled studies in pregnant women. Because animal reproduction studies  
674 are not always predictive of human response, this drug should be used during pregnancy only if  
675 the potential benefit justifies the potential risk to the fetus.

676 **Nonteratogenic Effects:** Neonates exposed to PAXIL and other SSRIs or SNRIs, late in  
677 the third trimester have developed complications requiring prolonged hospitalization, respiratory  
678 support, and tube feeding. Such complications can arise immediately upon delivery. Reported  
679 clinical findings have included respiratory distress, cyanosis, apnea, seizures, temperature  
680 instability, feeding difficulty, vomiting, hypoglycemia, hypotonia, hypertonia, hyperreflexia,  
681 tremor, jitteriness, irritability, and constant crying. These features are consistent with either a  
682 direct toxic effect of SSRIs and SNRIs or, possibly, a drug discontinuation syndrome. It should  
683 be noted, in some cases, the clinical picture is consistent with serotonin syndrome (see  
684 WARNINGS—[Potential for Interaction With Monoamine Oxidase Inhibitors](#)). When treating a  
685 pregnant woman with paroxetine during the third trimester, the physician should carefully  
686 consider the potential risks and benefits of treatment (see [DOSAGE AND](#)  
687 [ADMINISTRATION](#)).

688 **Labor and Delivery:** The effect of paroxetine on labor and delivery in humans is unknown.

689 **Nursing Mothers:** Like many other drugs, paroxetine is secreted in human milk, and caution  
690 should be exercised when PAXIL is administered to a nursing woman.

691 **Pediatric Use:** Safety and effectiveness in the pediatric population have not been established  
692 (see WARNINGS—[Clinical Worsening and Suicide Risk](#)).

693 **Geriatric Use:** In worldwide premarketing clinical trials with PAXIL, 17% of patients treated  
694 with PAXIL (approximately 700) were 65 years of age or older. Pharmacokinetic studies

695 revealed a decreased clearance in the elderly, and a lower starting dose is recommended; there  
696 were, however, no overall differences in the adverse event profile between elderly and younger  
697 patients, and effectiveness was similar in younger and older patients (see [CLINICAL](#)  
698 [PHARMACOLOGY](#) and [DOSAGE AND ADMINISTRATION](#)).

## 699 **ADVERSE REACTIONS**

700 **Associated With Discontinuation of Treatment:** Twenty percent (1,199/6,145) of patients  
701 treated with PAXIL in worldwide clinical trials in major depressive disorder and 16.1%  
702 (84/522), 11.8% (64/542), 9.4% (44/469), 10.7% (79/735), and 11.7% (79/676) of patients  
703 treated with PAXIL in worldwide trials in social anxiety disorder, OCD, panic disorder, GAD,  
704 and PTSD, respectively, discontinued treatment due to an adverse event. The most common  
705 events ( $\geq 1\%$ ) associated with discontinuation and considered to be drug related (i.e., those events  
706 associated with dropout at a rate approximately twice or greater for PAXIL compared to placebo)  
707 included the following:  
708

	Major Depressive Disorder		OCD		Panic Disorder		Social Anxiety Disorder		Generalized Anxiety Disorder		PTSD	
	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo
<b>CNS</b>												
Somnolence	2.3%	0.7%	—	—	1.9%	0.3%	3.4%	0.3%	2.0%	0.2%	2.8%	0.6%
Insomnia	—	—	1.7%	0%	1.3%	0.3%	3.1%	0%	—	—	—	—
Agitation	1.1%	0.5%	—	—	—	—	—	—	—	—	—	—
Tremor	1.1%	0.3%	—	—	—	—	1.7%	0%	—	—	1.0%	0.2%
Anxiety	—	—	—	—	—	—	1.1%	0%	—	—	—	—
Dizziness	—	—	1.5%	0%	—	—	1.9%	0%	1.0%	0.2%	—	—
<b>Gastrointestinal</b>												
Constipation	—	—	1.1%	0%	—	—	—	—	—	—	—	—
Nausea	3.2%	1.1%	1.9%	0%	3.2%	1.2%	4.0%	0.3%	2.0%	0.2%	2.2%	0.6%
Diarrhea	1.0%	0.3%	—	—	—	—	—	—	—	—	—	—
Dry mouth	1.0%	0.3%	—	—	—	—	—	—	—	—	—	—
Vomiting	1.0%	0.3%	—	—	—	—	1.0%	0%	—	—	—	—
Flatulence	—	—	—	—	—	—	1.0%	0.3%	—	—	—	—
<b>Other</b>												
Asthenia	1.6%	0.4%	1.9%	0.4%	—	—	2.5%	0.6%	1.8%	0.2%	1.6%	0.2%
Abnormal ejaculation <sup>1</sup>	1.6%	0%	2.1%	0%	—	—	4.9%	0.6%	2.5%	0.5%	—	—
Sweating	1.0%	0.3%	—	—	—	—	1.1%	0%	1.1%	0.2%	—	—
Impotence <sup>1</sup>	—	—	1.5%	0%	—	—	—	—	—	—	—	—
Libido	—	—	—	—	—	—	—	—	—	—	—	—
Decreased	—	—	—	—	—	—	1.0%	0%	—	—	—	—

709 Where numbers are not provided the incidence of the adverse events in patients treated with PAXIL was not >1% or  
710 was not greater than or equal to 2 times the incidence of placebo.

711 1. Incidence corrected for gender.

712

713 **Commonly Observed Adverse Events: Major Depressive Disorder:** The most  
714 commonly observed adverse events associated with the use of paroxetine (incidence of 5% or  
715 greater and incidence for PAXIL at least twice that for placebo, derived from Table 1) were:  
716 Asthenia, sweating, nausea, decreased appetite, somnolence, dizziness, insomnia, tremor,  
717 nervousness, ejaculatory disturbance, and other male genital disorders.

718 **Obsessive Compulsive Disorder:** The most commonly observed adverse events  
719 associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at  
720 least twice that of placebo, derived from Table 2) were: Nausea, dry mouth, decreased appetite,  
721 constipation, dizziness, somnolence, tremor, sweating, impotence, and abnormal ejaculation.

722 **Panic Disorder:** The most commonly observed adverse events associated with the use of  
723 paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo,  
724 derived from Table 2) were: Asthenia, sweating, decreased appetite, libido decreased, tremor,  
725 abnormal ejaculation, female genital disorders, and impotence.

726 **Social Anxiety Disorder:** The most commonly observed adverse events associated with  
727 the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for  
728 placebo, derived from Table 2) were: Sweating, nausea, dry mouth, constipation, decreased  
729 appetite, somnolence, tremor, libido decreased, yawn, abnormal ejaculation, female genital  
730 disorders, and impotence.

731 **Generalized Anxiety Disorder:** The most commonly observed adverse events associated  
732 with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice  
733 that for placebo, derived from Table 3) were: Asthenia, infection, constipation, decreased  
734 appetite, dry mouth, nausea, libido decreased, somnolence, tremor, sweating, and abnormal  
735 ejaculation.

736 **Posttraumatic Stress Disorder:** The most commonly observed adverse events associated  
737 with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice  
738 that for placebo, derived from Table 3) were: Asthenia, sweating, nausea, dry mouth, diarrhea,  
739 decreased appetite, somnolence, libido decreased, abnormal ejaculation, female genital disorders,  
740 and impotence.

741 **Incidence in Controlled Clinical Trials:** The prescriber should be aware that the figures in  
742 the tables following cannot be used to predict the incidence of side effects in the course of usual  
743 medical practice where patient characteristics and other factors differ from those that prevailed in  
744 the clinical trials. Similarly, the cited frequencies cannot be compared with figures obtained from  
745 other clinical investigations involving different treatments, uses, and investigators. The cited  
746 figures, however, do provide the prescribing physician with some basis for estimating the  
747 relative contribution of drug and nondrug factors to the side effect incidence rate in the  
748 populations studied.

749 **Major Depressive Disorder:** Table 1 enumerates adverse events that occurred at an  
750 incidence of 1% or more among paroxetine-treated patients who participated in short-term  
751 (6-week) placebo-controlled trials in which patients were dosed in a range of 20 mg to  
752 50 mg/day. Reported adverse events were classified using a standard COSTART-based  
753 Dictionary terminology.

754

755 **Table 1. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled**  
 756 **Clinical Trials for Major Depressive Disorder<sup>1</sup>**

Body System	Preferred Term	PAXIL (n = 421)	Placebo (n = 421)	
Body as a Whole	Headache	18%	17%	
	Asthenia	15%	6%	
Cardiovascular	Palpitation	3%	1%	
	Vasodilation	3%	1%	
Dermatologic	Sweating	11%	2%	
	Rash	2%	1%	
Gastrointestinal	Nausea	26%	9%	
	Dry Mouth	18%	12%	
	Constipation	14%	9%	
	Diarrhea	12%	8%	
	Decreased Appetite	6%	2%	
	Flatulence	4%	2%	
	Oropharynx Disorder <sup>2</sup>	2%	0%	
	Dyspepsia	2%	1%	
	Musculoskeletal	Myopathy	2%	1%
		Myalgia	2%	1%
Myasthenia		1%	0%	
Nervous System	Somnolence	23%	9%	
	Dizziness	13%	6%	
	Insomnia	13%	6%	
	Tremor	8%	2%	
	Nervousness	5%	3%	
	Anxiety	5%	3%	
	Paresthesia	4%	2%	
	Libido Decreased	3%	0%	
	Drugged Feeling	2%	1%	
	Confusion	1%	0%	
Respiration	Yawn	4%	0%	
Special Senses	Blurred Vision	4%	1%	
	Taste Perversion	2%	0%	
Urogenital System	Ejaculatory Disturbance <sup>3,4</sup>	13%	0%	
	Other Male Genital Disorders <sup>3,5</sup>	10%	0%	
	Urinary Frequency	3%	1%	
	Urination Disorder <sup>6</sup>	3%	0%	
	Female Genital Disorders <sup>3,7</sup>	2%	0%	

757 1. Events reported by at least 1% of patients treated with PAXIL are included, except the  
 758 following events which had an incidence on placebo  $\geq$  PAXIL: Abdominal pain, agitation,  
 759 back pain, chest pain, CNS stimulation, fever, increased appetite, myoclonus, pharyngitis,  
 760 postural hypotension, respiratory disorder (includes mostly “cold symptoms” or “URI”),  
 761 trauma, and vomiting.

762 2. Includes mostly “lump in throat” and “tightness in throat.”

763 3. Percentage corrected for gender.

- 764 4. Mostly “ejaculatory delay.”  
765 5. Includes “anorgasmia,” “erectile difficulties,” “delayed ejaculation/orgasm,” and “sexual  
766 dysfunction,” and “impotence.”  
767 6. Includes mostly “difficulty with micturition” and “urinary hesitancy.”  
768 7. Includes mostly “anorgasmia” and “difficulty reaching climax/orgasm.”  
769

770 **Obsessive Compulsive Disorder, Panic Disorder, and Social Anxiety Disorder:**

771 Table 2 enumerates adverse events that occurred at a frequency of 2% or more among OCD  
772 patients on PAXIL who participated in placebo-controlled trials of 12-weeks duration in which  
773 patients were dosed in a range of 20 mg to 60 mg/day or among patients with panic disorder on  
774 PAXIL who participated in placebo-controlled trials of 10- to 12-weeks duration in which  
775 patients were dosed in a range of 10 mg to 60 mg/day or among patients with social anxiety  
776 disorder on PAXIL who participated in placebo-controlled trials of 12-weeks duration in which  
777 patients were dosed in a range of 20 mg to 50 mg/day.  
778

779 **Table 2. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled**  
780 **Clinical Trials for Obsessive Compulsive Disorder, Panic Disorder, and Social Anxiety**  
781 **Disorder<sup>1</sup>**

Body System	Preferred Term	Obsessive Compulsive Disorder		Panic Disorder		Social Anxiety Disorder	
		PAXIL (n = 542)	Placebo (n = 265)	PAXIL (n = 469)	Placebo (n = 324)	PAXIL (n = 425)	Placebo (n = 339)
Body as a Whole	Asthenia	22%	14%	14%	5%	22%	14%
	Abdominal Pain	—	—	4%	3%	—	—
	Chest Pain	3%	2%	—	—	—	—
	Back Pain	—	—	3%	2%	—	—
	Chills	2%	1%	2%	1%	—	—
	Trauma	—	—	—	—	3%	1%
Cardiovascular	Vasodilation	4%	1%	—	—	—	—
	Palpitation	2%	0%	—	—	—	—
Dermatologic	Sweating	9%	3%	14%	6%	9%	2%
	Rash	3%	2%	—	—	—	—
Gastrointestinal	Nausea	23%	10%	23%	17%	25%	7%
	Dry Mouth	18%	9%	18%	11%	9%	3%
	Constipation	16%	6%	8%	5%	5%	2%
	Diarrhea	10%	10%	12%	7%	9%	6%
	Decreased						
	Appetite	9%	3%	7%	3%	8%	2%
	Dyspepsia	—	—	—	—	4%	2%
	Flatulence	—	—	—	—	4%	2%
	Increased						
	Appetite	4%	3%	2%	1%	—	—
Vomiting	—	—	—	—	2%	1%	

		<b>Obsessive Compulsive Disorder</b>		<b>Panic Disorder</b>		<b>Social Anxiety Disorder</b>	
Musculoskeletal	Myalgia	—	—	—	—	4%	3%
Nervous System	Insomnia	24%	13%	18%	10%	21%	16%
	Somnolence	24%	7%	19%	11%	22%	5%
	Dizziness	12%	6%	14%	10%	11%	7%
	Tremor	11%	1%	9%	1%	9%	1%
	Nervousness	9%	8%	—	—	8%	7%
	Libido Decreased	7%	4%	9%	1%	12%	1%
	Agitation	—	—	5%	4%	3%	1%
	Anxiety	—	—	5%	4%	5%	4%
	Abnormal Dreams	4%	1%	—	—	—	—
	Concentration Impaired	3%	2%	—	—	4%	1%
	Depersonalization	3%	0%	—	—	—	—
	Myoclonus	3%	0%	3%	2%	2%	1%
	Amnesia	2%	1%	—	—	—	—
	Respiratory System	Rhinitis	—	—	3%	0%	—
Pharyngitis		—	—	—	—	4%	2%
Yawn		—	—	—	—	5%	1%
Special Senses	Abnormal Vision	4%	2%	—	—	4%	1%
	Taste Perversion	2%	0%	—	—	—	—
Urogenital System	Abnormal Ejaculation <sup>2</sup>	23%	1%	21%	1%	28%	1%
	Dysmenorrhea	—	—	—	—	5%	4%
	Female Genital Disorder <sup>2</sup>	3%	0%	9%	1%	9%	1%
	Impotence <sup>2</sup>	8%	1%	5%	0%	5%	1%
	Urinary Frequency	3%	1%	2%	0%	—	—
	Urination Impaired	3%	0%	—	—	—	—
	Urinary Tract Infection	2%	1%	2%	1%	—	—

782 1. Events reported by at least 2% of OCD, panic disorder, and social anxiety disorder in patients treated with PAXIL are  
783 included, except the following events which had an incidence on placebo  $\geq$ PAXIL: [OCD]: Abdominal pain, agitation,  
784 anxiety, back pain, cough increased, depression, headache, hyperkinesia, infection, paresthesia, pharyngitis, respiratory  
785 disorder, rhinitis, and sinusitis. [panic disorder]: Abnormal dreams, abnormal vision, chest pain, cough increased,  
786 depersonalization, depression, dysmenorrhea, dyspepsia, flu syndrome, headache, infection, myalgia, nervousness,  
787 palpitation, paresthesia, pharyngitis, rash, respiratory disorder, sinusitis, taste perversion, trauma, urination impaired, and  
788 vasodilation. [social anxiety disorder]: Abdominal pain, depression, headache, infection, respiratory disorder, and  
789 sinusitis.

790 2. Percentage corrected for gender.

791



792 **Generalized Anxiety Disorder and Posttraumatic Stress Disorder:** Table 3  
793 enumerates adverse events that occurred at a frequency of 2% or more among GAD patients on  
794 PAXIL who participated in placebo-controlled trials of 8-weeks duration in which patients were  
795 dosed in a range of 10 mg/day to 50 mg/day or among PTSD patients on PAXIL who  
796 participated in placebo-controlled trials of 12-weeks duration in which patients were dosed in a  
797 range of 20 mg/day to 50 mg/day.

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**Table 3. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled Clinical Trials for Generalized Anxiety Disorder and Posttraumatic Stress Disorder<sup>1</sup>**

Body System	Preferred Term	Generalized Anxiety Disorder		Posttraumatic Stress Disorder		
		PAXIL (n = 735)	Placebo (n = 529)	PAXIL (n = 676)	Placebo (n = 504)	
Body as a Whole	Asthenia	14%	6%	12%	4%	
	Headache	17%	14%	—	—	
	Infection	6%	3%	5%	4%	
	Abdominal Pain			4%	3%	
	Trauma			6%	5%	
Cardiovascular	Vasodilation	3%	1%	2%	1%	
Dermatologic	Sweating	6%	2%	5%	1%	
Gastrointestinal	Nausea	20%	5%	19%	8%	
	Dry Mouth	11%	5%	10%	5%	
	Constipation	10%	2%	5%	3%	
	Diarrhea	9%	7%	11%	5%	
	Decreased Appetite	5%	1%	6%	3%	
	Vomiting	3%	2%	3%	2%	
	Dyspepsia	—	—	5%	3%	
	Nervous System	Insomnia	11%	8%	12%	11%
		Somnolence	15%	5%	16%	5%
Dizziness		6%	5%	6%	5%	
Tremor		5%	1%	4%	1%	
Nervousness		4%	3%	—	—	
Libido Decreased		9%	2%	5%	2%	
Respiratory System	Abnormal Dreams			3%	2%	
	Respiratory Disorder	7%	5%	—	—	
	Sinusitis	4%	3%	—	—	
	Yawn	4%	—	2%	<1%	
Special Senses	Abnormal Vision	2%	1%	3%	1%	
Urogenital System	Abnormal Ejaculation <sup>2</sup>	25%	2%	13%	2%	
	Female Genital Disorder <sup>2</sup>	4%	1%	5%	1%	
	Impotence <sup>2</sup>	4%	3%	9%	1%	

801 1. Events reported by at least 2% of GAD and PTSD in patients treated with PAXIL are included, except the  
802 following events which had an incidence on placebo  $\geq$  PAXIL [GAD]: Abdominal pain, back pain, trauma,  
803 dyspepsia, myalgia, and pharyngitis. [PTSD]: Back pain, headache, anxiety, depression, nervousness, respiratory  
804 disorder, pharyngitis, and sinusitis.  
805 2. Percentage corrected for gender.

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**Dose Dependency of Adverse Events:** A comparison of adverse event rates in a fixed-dose study comparing 10, 20, 30, and 40 mg/day of PAXIL with placebo in the treatment of major depressive disorder revealed a clear dose dependency for some of the more common adverse events associated with use of PAXIL, as shown in the following table:

**Table 4 . Treatment-Emergent Adverse Experience Incidence in a Dose-Comparison Trial in the Treatment of Major Depressive Disorder\***

Body System/Preferred Term	Placebo	PAXIL			
	n = 51	10 mg n = 102	20 mg n = 104	30 mg n = 101	40 mg n = 102
<b>Body as a Whole</b>					
Asthenia	0.0%	2.9%	10.6%	13.9%	12.7%
<b>Dermatology</b>					
Sweating	2.0%	1.0%	6.7%	8.9%	11.8%
<b>Gastrointestinal</b>					
Constipation	5.9%	4.9%	7.7%	9.9%	12.7%
Decreased Appetite	2.0%	2.0%	5.8%	4.0%	4.9%
Diarrhea	7.8%	9.8%	19.2%	7.9%	14.7%
Dry Mouth	2.0%	10.8%	18.3%	15.8%	20.6%
Nausea	13.7%	14.7%	26.9%	34.7%	36.3%
<b>Nervous System</b>					
Anxiety	0.0%	2.0%	5.8%	5.9%	5.9%
Dizziness	3.9%	6.9%	6.7%	8.9%	12.7%
Nervousness	0.0%	5.9%	5.8%	4.0%	2.9%
Paresthesia	0.0%	2.9%	1.0%	5.0%	5.9%
Somnolence	7.8%	12.7%	18.3%	20.8%	21.6%
Tremor	0.0%	0.0%	7.7%	7.9%	14.7%
<b>Special Senses</b>					
Blurred Vision	2.0%	2.9%	2.9%	2.0%	7.8%
<b>Urogenital System</b>					
Abnormal Ejaculation	0.0%	5.8%	6.5%	10.6%	13.0%
Impotence	0.0%	1.9%	4.3%	6.4%	1.9%
Male Genital Disorders	0.0%	3.8%	8.7%	6.4%	3.7%

814 \* Rule for including adverse events in table: Incidence at least 5% for 1 of paroxetine groups  
 815 and ≥ twice the placebo incidence for at least 1 paroxetine group.

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In a fixed-dose study comparing placebo and 20, 40, and 60 mg of PAXIL in the treatment of OCD, there was no clear relationship between adverse events and the dose of PAXIL to which patients were assigned. No new adverse events were observed in the group treated with 60 mg of PAXIL compared to any of the other treatment groups.

In a fixed-dose study comparing placebo and 10, 20, and 40 mg of PAXIL in the treatment of panic disorder, there was no clear relationship between adverse events and the dose of PAXIL to

823 which patients were assigned, except for asthenia, dry mouth, anxiety, libido decreased, tremor,  
824 and abnormal ejaculation. In flexible-dose studies, no new adverse events were observed in  
825 patients receiving 60 mg of PAXIL compared to any of the other treatment groups.

826 In a fixed-dose study comparing placebo and 20, 40, and 60 mg of PAXIL in the treatment of  
827 social anxiety disorder, for most of the adverse events, there was no clear relationship between  
828 adverse events and the dose of PAXIL to which patients were assigned.

829 In a fixed-dose study comparing placebo and 20 and 40 mg of PAXIL in the treatment of  
830 generalized anxiety disorder, for most of the adverse events, there was no clear relationship  
831 between adverse events and the dose of PAXIL to which patients were assigned, except for the  
832 following adverse events: Asthenia, constipation, and abnormal ejaculation.

833 In a fixed-dose study comparing placebo and 20 and 40 mg of PAXIL in the treatment of  
834 posttraumatic stress disorder, for most of the adverse events, there was no clear relationship  
835 between adverse events and the dose of PAXIL to which patients were assigned, except for  
836 impotence and abnormal ejaculation.

837 **Adaptation to Certain Adverse Events:** Over a 4- to 6-week period, there was evidence  
838 of adaptation to some adverse events with continued therapy (e.g., nausea and dizziness), but less  
839 to other effects (e.g., dry mouth, somnolence, and asthenia).

840 **Male and Female Sexual Dysfunction With SSRIs:** Although changes in sexual desire,  
841 sexual performance, and sexual satisfaction often occur as manifestations of a psychiatric  
842 disorder, they may also be a consequence of pharmacologic treatment. In particular, some  
843 evidence suggests that selective serotonin reuptake inhibitors (SSRIs) can cause such untoward  
844 sexual experiences.

845 Reliable estimates of the incidence and severity of untoward experiences involving sexual  
846 desire, performance, and satisfaction are difficult to obtain, however, in part because patients and  
847 physicians may be reluctant to discuss them. Accordingly, estimates of the incidence of  
848 untoward sexual experience and performance cited in product labeling, are likely to  
849 underestimate their actual incidence.

850 In placebo-controlled clinical trials involving more than 3,200 patients, the ranges for the  
851 reported incidence of sexual side effects in males and females with major depressive disorder,  
852 OCD, panic disorder, social anxiety disorder, GAD, and PTSD are displayed in Table 5.

853

854 **Table 5. Incidence of Sexual Adverse Events in Controlled Clinical Trials**

	<b>PAXIL</b>	<b>Placebo</b>
<b>n (males)</b>	<b>1446</b>	<b>1042</b>
Decreased Libido	6-15%	0-5%
Ejaculatory Disturbance	13-28%	0-2%
Impotence	2-9%	0-3%
<b>n (females)</b>	<b>1822</b>	<b>1340</b>
Decreased Libido	0-9%	0-2%
Orgasmic Disturbance	2-9%	0-1%

855

856 There are no adequate and well-controlled studies examining sexual dysfunction with  
857 paroxetine treatment.

858 Paroxetine treatment has been associated with several cases of priapism. In those cases with a  
859 known outcome, patients recovered without sequelae.

860 While it is difficult to know the precise risk of sexual dysfunction associated with the use of  
861 SSRIs, physicians should routinely inquire about such possible side effects.

862 **Weight and Vital Sign Changes:** Significant weight loss may be an undesirable result of  
863 treatment with PAXIL for some patients but, on average, patients in controlled trials had minimal  
864 (about 1 pound) weight loss versus smaller changes on placebo and active control. No significant  
865 changes in vital signs (systolic and diastolic blood pressure, pulse and temperature) were  
866 observed in patients treated with PAXIL in controlled clinical trials.

867 **ECG Changes:** In an analysis of ECGs obtained in 682 patients treated with PAXIL and  
868 415 patients treated with placebo in controlled clinical trials, no clinically significant changes  
869 were seen in the ECGs of either group.

870 **Liver Function Tests:** In placebo-controlled clinical trials, patients treated with PAXIL  
871 exhibited abnormal values on liver function tests at no greater rate than that seen in  
872 placebo-treated patients. In particular, the PAXIL-versus-placebo comparisons for alkaline  
873 phosphatase, SGOT, SGPT, and bilirubin revealed no differences in the percentage of patients  
874 with marked abnormalities.

875 **Other Events Observed During the Premarketing Evaluation of PAXIL:** During its  
876 premarketing assessment in major depressive disorder, multiple doses of PAXIL were  
877 administered to 6,145 patients in phase 2 and 3 studies. The conditions and duration of exposure  
878 to PAXIL varied greatly and included (in overlapping categories) open and double-blind studies,  
879 uncontrolled and controlled studies, inpatient and outpatient studies, and fixed-dose, and titration  
880 studies. During premarketing clinical trials in OCD, panic disorder, social anxiety disorder,  
881 generalized anxiety disorder, and posttraumatic stress disorder, 542, 469, 522, 735, and 676  
882 patients, respectively, received multiple doses of PAXIL. Untoward events associated with this  
883 exposure were recorded by clinical investigators using terminology of their own choosing.  
884 Consequently, it is not possible to provide a meaningful estimate of the proportion of individuals  
885 experiencing adverse events without first grouping similar types of untoward events into a  
886 smaller number of standardized event categories.

887 In the tabulations that follow, reported adverse events were classified using a standard  
888 COSTART-based Dictionary terminology. The frequencies presented, therefore, represent the  
889 proportion of the 9,089 patients exposed to multiple doses of PAXIL who experienced an event  
890 of the type cited on at least 1 occasion while receiving PAXIL. All reported events are included  
891 except those already listed in Tables 1 to 3, those reported in terms so general as to be  
892 uninformative and those events where a drug cause was remote. It is important to emphasize that  
893 although the events reported occurred during treatment with paroxetine, they were not  
894 necessarily caused by it.

895 Events are further categorized by body system and listed in order of decreasing frequency  
896 according to the following definitions: Frequent adverse events are those occurring on 1 or more  
897 occasions in at least 1/100 patients (only those not already listed in the tabulated results from  
898 placebo-controlled trials appear in this listing); infrequent adverse events are those occurring in  
899 1/100 to 1/1,000 patients; rare events are those occurring in fewer than 1/1,000 patients. Events  
900 of major clinical importance are also described in the PRECAUTIONS section.

901 **Body as a Whole:** *Infrequent:* Allergic reaction, chills, face edema, malaise, neck pain;  
902 *rare:* Adrenergic syndrome, cellulitis, moniliasis, neck rigidity, pelvic pain, peritonitis, sepsis,  
903 ulcer.

904 **Cardiovascular System:** *Frequent:* Hypertension, tachycardia; *infrequent:* Bradycardia,  
905 hematoma, hypotension, migraine, syncope; *rare:* Angina pectoris, arrhythmia nodal, atrial  
906 fibrillation, bundle branch block, cerebral ischemia, cerebrovascular accident, congestive heart  
907 failure, heart block, low cardiac output, myocardial infarct, myocardial ischemia, pallor,  
908 phlebitis, pulmonary embolus, supraventricular extrasystoles, thrombophlebitis, thrombosis,  
909 varicose vein, vascular headache, ventricular extrasystoles.

910 **Digestive System:** *Infrequent:* Bruxism, colitis, dysphagia, eructation, gastritis,  
911 gastroenteritis, gingivitis, glossitis, increased salivation, liver function tests abnormal, rectal  
912 hemorrhage, ulcerative stomatitis; *rare:* Aphthous stomatitis, bloody diarrhea, bulimia,  
913 cardiospasm, cholelithiasis, duodenitis, enteritis, esophagitis, fecal impactions, fecal  
914 incontinence, gum hemorrhage, hematemesis, hepatitis, ileitis, ileus, intestinal obstruction,  
915 jaundice, melena, mouth ulceration, peptic ulcer, salivary gland enlargement, sialadenitis,  
916 stomach ulcer, stomatitis, tongue discoloration, tongue edema, tooth caries.

917 **Endocrine System:** *Rare:* Diabetes mellitus, goiter, hyperthyroidism, hypothyroidism,  
918 thyroiditis.

919 **Hemic and Lymphatic Systems:** *Infrequent:* Anemia, leukopenia, lymphadenopathy,  
920 purpura; *rare:* Abnormal erythrocytes, basophilia, bleeding time increased, eosinophilia,  
921 hypochromic anemia, iron deficiency anemia, leukocytosis, lymphedema, abnormal  
922 lymphocytes, lymphocytosis, microcytic anemia, monocytosis, normocytic anemia,  
923 thrombocythemia, thrombocytopenia.

924 **Metabolic and Nutritional:** *Frequent:* Weight gain; *infrequent:* Edema, peripheral edema,  
925 SGOT increased, SGPT increased, thirst, weight loss; *rare:* Alkaline phosphatase increased,  
926 bilirubinemia, BUN increased, creatinine phosphokinase increased, dehydration, gamma  
927 globulins increased, gout, hypercalcemia, hypercholesteremia, hyperglycemia, hyperkalemia,  
928 hyperphosphatemia, hypocalcemia, hypoglycemia, hypokalemia, hyponatremia, ketosis, lactic  
929 dehydrogenase increased, non-protein nitrogen (NPN) increased.

930 **Musculoskeletal System:** *Frequent:* Arthralgia; *infrequent:* Arthritis, arthrosis; *rare:*  
931 Bursitis, myositis, osteoporosis, generalized spasm, tenosynovitis, tetany.

932 **Nervous System:** *Frequent:* Emotional lability, vertigo; *infrequent:* Abnormal thinking,  
933 alcohol abuse, ataxia, dystonia, dyskinesia, euphoria, hallucinations, hostility, hypertonia,  
934 hypesthesia, hypokinesia, incoordination, lack of emotion, libido increased, manic reaction,

935 neurosis, paralysis, paranoid reaction; *rare*: Abnormal gait, akinesia, antisocial reaction, aphasia,  
936 choreoathetosis, circumoral paresthesias, convulsion, delirium, delusions, diplopia, drug  
937 dependence, dysarthria, extrapyramidal syndrome, fasciculations, grand mal convulsion,  
938 hyperalgesia, hysteria, manic-depressive reaction, meningitis, myelitis, neuralgia, neuropathy,  
939 nystagmus, peripheral neuritis, psychotic depression, psychosis, reflexes decreased, reflexes  
940 increased, stupor, torticollis, trismus, withdrawal syndrome.

941 **Respiratory System:** *Infrequent*: Asthma, bronchitis, dyspnea, epistaxis, hyperventilation,  
942 pneumonia, respiratory flu; *rare*: Emphysema, hemoptysis, hiccups, lung fibrosis, pulmonary  
943 edema, sputum increased, stridor, voice alteration.

944 **Skin and Appendages:** *Frequent*: Pruritus; *infrequent*: Acne, alopecia, contact dermatitis,  
945 dry skin, ecchymosis, eczema, herpes simplex, photosensitivity, urticaria; *rare*: Angioedema,  
946 erythema nodosum, erythema multiforme, exfoliative dermatitis, fungal dermatitis, furunculosis;  
947 herpes zoster, hirsutism, maculopapular rash, seborrhea, skin discoloration, skin hypertrophy,  
948 skin ulcer, sweating decreased, vesiculobullous rash.

949 **Special Senses:** *Frequent*: Tinnitus; *infrequent*: Abnormality of accommodation,  
950 conjunctivitis, ear pain, eye pain, keratoconjunctivitis, mydriasis, otitis media; *rare*: Amblyopia,  
951 anisocoria, blepharitis, cataract, conjunctival edema, corneal ulcer, deafness, exophthalmos, eye  
952 hemorrhage, glaucoma, hyperacusis, night blindness, otitis externa, parosmia, photophobia,  
953 ptosis, retinal hemorrhage, taste loss, visual field defect.

954 **Urogenital System:** *Infrequent*: Amenorrhea, breast pain, cystitis, dysuria, hematuria,  
955 menorrhagia, nocturia, polyuria, pyuria, urinary incontinence, urinary retention, urinary urgency,  
956 vaginitis; *rare*: Abortion, breast atrophy, breast enlargement, endometrial disorder, epididymitis,  
957 female lactation, fibrocystic breast, kidney calculus, kidney pain, leukorrhea, mastitis,  
958 metrorrhagia, nephritis, oliguria, salpingitis, urethritis, urinary casts, uterine spasm, urolith,  
959 vaginal hemorrhage, vaginal moniliasis.

960 **Postmarketing Reports:** Voluntary reports of adverse events in patients taking PAXIL that  
961 have been received since market introduction and not listed above that may have no causal  
962 relationship with the drug include acute pancreatitis, elevated liver function tests (the most  
963 severe cases were deaths due to liver necrosis, and grossly elevated transaminases associated  
964 with severe liver dysfunction), Guillain-Barré syndrome, toxic epidermal necrolysis, priapism,  
965 syndrome of inappropriate ADH secretion, symptoms suggestive of prolactinemia and  
966 galactorrhea, neuroleptic malignant syndrome-like events; extrapyramidal symptoms which have  
967 included akathisia, bradykinesia, cogwheel rigidity, dystonia, hypertonia, oculogyric crisis which  
968 has been associated with concomitant use of pimozide; tremor and trismus; serotonin syndrome,  
969 associated in some cases with concomitant use of serotonergic drugs and with drugs which may  
970 have impaired metabolism of PAXIL (symptoms have included agitation, confusion, diaphoresis,  
971 hallucinations, hyperreflexia, myoclonus, shivering, tachycardia, and tremor), status epilepticus,  
972 acute renal failure, pulmonary hypertension, allergic alveolitis, anaphylaxis, eclampsia,  
973 laryngismus, optic neuritis, porphyria, ventricular fibrillation, ventricular tachycardia (including  
974 torsade de pointes), thrombocytopenia, hemolytic anemia, events related to impaired

975 hematopoiesis (including aplastic anemia, pancytopenia, bone marrow aplasia, and  
976 agranulocytosis), and vasculitic syndromes (such as Henoch-Schönlein purpura). There has been  
977 a case report of an elevated phenytoin level after 4 weeks of PAXIL and phenytoin  
978 coadministration. There has been a case report of severe hypotension when PAXIL was added to  
979 chronic metoprolol treatment.

## 980 **DRUG ABUSE AND DEPENDENCE**

981 **Controlled Substance Class:** PAXIL is not a controlled substance.

982 **Physical and Psychologic Dependence:** PAXIL has not been systematically studied in  
983 animals or humans for its potential for abuse, tolerance or physical dependence. While the  
984 clinical trials did not reveal any tendency for any drug-seeking behavior, these observations were  
985 not systematic and it is not possible to predict on the basis of this limited experience the extent to  
986 which a CNS-active drug will be misused, diverted, and/or abused once marketed. Consequently,  
987 patients should be evaluated carefully for history of drug abuse, and such patients should be  
988 observed closely for signs of misuse or abuse of PAXIL (e.g., development of tolerance,  
989 incrementations of dose, drug-seeking behavior).

## 990 **OVERDOSAGE**

991 **Human Experience:** Since the introduction of PAXIL in the United States, 342 spontaneous  
992 cases of deliberate or accidental overdosage during paroxetine treatment have been reported  
993 worldwide (circa 1999). These include overdoses with paroxetine alone and in combination with  
994 other substances. Of these, 48 cases were fatal and of the fatalities, 17 appeared to involve  
995 paroxetine alone. Eight fatal cases that documented the amount of paroxetine ingested were  
996 generally confounded by the ingestion of other drugs or alcohol or the presence of significant  
997 comorbid conditions. Of 145 non-fatal cases with known outcome, most recovered without  
998 sequelae. The largest known ingestion involved 2,000 mg of paroxetine (33 times the maximum  
999 recommended daily dose) in a patient who recovered.

1000 Commonly reported adverse events associated with paroxetine overdosage include  
1001 somnolence, coma, nausea, tremor, tachycardia, confusion, vomiting, and dizziness. Other  
1002 notable signs and symptoms observed with overdoses involving paroxetine (alone or with other  
1003 substances) include mydriasis, convulsions (including status epilepticus), ventricular  
1004 dysrhythmias (including torsade de pointes), hypertension, aggressive reactions, syncope,  
1005 hypotension, stupor, bradycardia, dystonia, rhabdomyolysis, symptoms of hepatic dysfunction  
1006 (including hepatic failure, hepatic necrosis, jaundice, hepatitis, and hepatic steatosis), serotonin  
1007 syndrome, manic reactions, myoclonus, acute renal failure, and urinary retention.

1008 **Overdosage Management:** Treatment should consist of those general measures employed in  
1009 the management of overdosage with any drugs effective in the treatment of major depressive  
1010 disorder.

1011 Ensure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital  
1012 signs. General supportive and symptomatic measures are also recommended. Induction of emesis  
1013 is not recommended. Gastric lavage with a large-bore orogastric tube with appropriate airway

1014 protection, if needed, may be indicated if performed soon after ingestion, or in symptomatic  
1015 patients.

1016 Activated charcoal should be administered. Due to the large volume of distribution of this  
1017 drug, forced diuresis, dialysis, hemoperfusion, and exchange transfusion are unlikely to be of  
1018 benefit. No specific antidotes for paroxetine are known.

1019 A specific caution involves patients who are taking or have recently taken paroxetine who  
1020 might ingest excessive quantities of a tricyclic antidepressant. In such a case, accumulation of the  
1021 parent tricyclic and/or an active metabolite may increase the possibility of clinically significant  
1022 sequelae and extend the time needed for close medical observation (see PRECAUTIONS—  
1023 *Drugs Metabolized by Cytochrome P<sub>450</sub>IID<sub>6</sub>*).

1024 In managing overdose, consider the possibility of multiple drug involvement. The physician  
1025 should consider contacting a poison control center for additional information on the treatment of  
1026 any overdose. Telephone numbers for certified poison control centers are listed in the *Physicians'*  
1027 *Desk Reference* (PDR).

## 1028 **DOSAGE AND ADMINISTRATION**

1029 **Major Depressive Disorder: Usual Initial Dosage:** PAXIL should be administered as a  
1030 single daily dose with or without food, usually in the morning. The recommended initial dose is  
1031 20 mg/day. Patients were dosed in a range of 20 to 50 mg/day in the clinical trials demonstrating  
1032 the effectiveness of PAXIL in the treatment of major depressive disorder. As with all drugs  
1033 effective in the treatment of major depressive disorder, the full effect may be delayed. Some  
1034 patients not responding to a 20-mg dose may benefit from dose increases, in 10-mg/day  
1035 increments, up to a maximum of 50 mg/day. Dose changes should occur at intervals of at least  
1036 1 week.

1037 **Maintenance Therapy:** There is no body of evidence available to answer the question of  
1038 how long the patient treated with PAXIL should remain on it. It is generally agreed that acute  
1039 episodes of major depressive disorder require several months or longer of sustained  
1040 pharmacologic therapy. Whether the dose needed to induce remission is identical to the dose  
1041 needed to maintain and/or sustain euthymia is unknown.

1042 Systematic evaluation of the efficacy of PAXIL has shown that efficacy is maintained for  
1043 periods of up to 1 year with doses that averaged about 30 mg.

1044 **Obsessive Compulsive Disorder: Usual Initial Dosage:** PAXIL should be administered  
1045 as a single daily dose with or without food, usually in the morning. The recommended dose of  
1046 PAXIL in the treatment of OCD is 40 mg daily. Patients should be started on 20 mg/day and the  
1047 dose can be increased in 10-mg/day increments. Dose changes should occur at intervals of at  
1048 least 1 week. Patients were dosed in a range of 20 to 60 mg/day in the clinical trials  
1049 demonstrating the effectiveness of PAXIL in the treatment of OCD. The maximum dosage  
1050 should not exceed 60 mg/day.

1051 **Maintenance Therapy:** Long-term maintenance of efficacy was demonstrated in a 6-month  
1052 relapse prevention trial. In this trial, patients with OCD assigned to paroxetine demonstrated a



1053 lower relapse rate compared to patients on placebo (see CLINICAL PHARMACOLOGY—  
1054 [Clinical Trials](#)). OCD is a chronic condition, and it is reasonable to consider continuation for a  
1055 responding patient. Dosage adjustments should be made to maintain the patient on the lowest  
1056 effective dosage, and patients should be periodically reassessed to determine the need for  
1057 continued treatment.

1058 **Panic Disorder: Usual Initial Dosage:** PAXIL should be administered as a single daily dose  
1059 with or without food, usually in the morning. The target dose of PAXIL in the treatment of panic  
1060 disorder is 40 mg/day. Patients should be started on 10 mg/day. Dose changes should occur in  
1061 10-mg/day increments and at intervals of at least 1 week. Patients were dosed in a range of 10 to  
1062 60 mg/day in the clinical trials demonstrating the effectiveness of PAXIL. The maximum dosage  
1063 should not exceed 60 mg/day.

1064 **Maintenance Therapy:** Long-term maintenance of efficacy was demonstrated in a 3-month  
1065 relapse prevention trial. In this trial, patients with panic disorder assigned to paroxetine  
1066 demonstrated a lower relapse rate compared to patients on placebo (see CLINICAL  
1067 PHARMACOLOGY—[Clinical Trials](#)). Panic disorder is a chronic condition, and it is reasonable  
1068 to consider continuation for a responding patient. Dosage adjustments should be made to  
1069 maintain the patient on the lowest effective dosage, and patients should be periodically  
1070 reassessed to determine the need for continued treatment.

1071 **Social Anxiety Disorder: Usual Initial Dosage:** PAXIL should be administered as a single  
1072 daily dose with or without food, usually in the morning. The recommended and initial dosage is  
1073 20 mg/day. In clinical trials the effectiveness of PAXIL was demonstrated in patients dosed in a  
1074 range of 20 to 60 mg/day. While the safety of PAXIL has been evaluated in patients with social  
1075 anxiety disorder at doses up to 60 mg/day, available information does not suggest any additional  
1076 benefit for doses above 20 mg/day (see CLINICAL PHARMACOLOGY—[Clinical Trials](#)).

1077 **Maintenance Therapy:** There is no body of evidence available to answer the question of  
1078 how long the patient treated with PAXIL should remain on it. Although the efficacy of PAXIL  
1079 beyond 12 weeks of dosing has not been demonstrated in controlled clinical trials, social anxiety  
1080 disorder is recognized as a chronic condition, and it is reasonable to consider continuation of  
1081 treatment for a responding patient. Dosage adjustments should be made to maintain the patient  
1082 on the lowest effective dosage, and patients should be periodically reassessed to determine the  
1083 need for continued treatment.

1084 **Generalized Anxiety Disorder: Usual Initial Dosage:** PAXIL should be administered as a  
1085 single daily dose with or without food, usually in the morning. In clinical trials the effectiveness  
1086 of PAXIL was demonstrated in patients dosed in a range of 20 to 50 mg/day. The recommended  
1087 starting dosage and the established effective dosage is 20 mg/day. There is not sufficient  
1088 evidence to suggest a greater benefit to doses higher than 20 mg/day. Dose changes should occur  
1089 in 10 mg/day increments and at intervals of at least 1 week.

1090 **Maintenance Therapy:** Systematic evaluation of continuing PAXIL for periods of up to  
1091 24 weeks in patients with Generalized Anxiety Disorder who had responded while taking PAXIL  
1092 during an 8-week acute treatment phase has demonstrated a benefit of such maintenance (see

1093 CLINICAL PHARMACOLOGY—[Clinical Trials](#)). Nevertheless, patients should be periodically  
1094 reassessed to determine the need for maintenance treatment.

1095 **Posttraumatic Stress Disorder: Usual Initial Dosage:** PAXIL should be administered as  
1096 a single daily dose with or without food, usually in the morning. The recommended starting  
1097 dosage and the established effective dosage is 20 mg/day. In 1 clinical trial, the effectiveness of  
1098 PAXIL was demonstrated in patients dosed in a range of 20 to 50 mg/day. However, in a fixed  
1099 dose study, there was not sufficient evidence to suggest a greater benefit for a dose of 40 mg/day  
1100 compared to 20 mg/day. Dose changes, if indicated, should occur in 10 mg/day increments and at  
1101 intervals of at least 1 week.

1102 **Maintenance Therapy:** There is no body of evidence available to answer the question of  
1103 how long the patient treated with PAXIL should remain on it. Although the efficacy of PAXIL  
1104 beyond 12 weeks of dosing has not been demonstrated in controlled clinical trials, PTSD is  
1105 recognized as a chronic condition, and it is reasonable to consider continuation of treatment for a  
1106 responding patient. Dosage adjustments should be made to maintain the patient on the lowest  
1107 effective dosage, and patients should be periodically reassessed to determine the need for  
1108 continued treatment.

1109 **Special Populations: Treatment of Pregnant Women During the Third Trimester:**  
1110 Neonates exposed to PAXIL and other SSRIs or SNRIs, late in the third trimester have  
1111 developed complications requiring prolonged hospitalization, respiratory support, and tube  
1112 feeding (see [PRECAUTIONS](#)). When treating pregnant women with paroxetine during the third  
1113 trimester, the physician should carefully consider the potential risks and benefits of treatment.  
1114 The physician may consider tapering paroxetine in the third trimester.

1115 **Dosage for Elderly or Debilitated Patients, and Patients With Severe Renal or  
1116 Hepatic Impairment:** The recommended initial dose is 10 mg/day for elderly patients,  
1117 debilitated patients, and/or patients with severe renal or hepatic impairment. Increases may be  
1118 made if indicated. Dosage should not exceed 40 mg/day.

1119 **Switching Patients to or From a Monoamine Oxidase Inhibitor:** At least 14 days  
1120 should elapse between discontinuation of an MAOI and initiation of therapy with PAXIL.  
1121 Similarly, at least 14 days should be allowed after stopping PAXIL before starting an MAOI.

1122 **Discontinuation of Treatment With PAXIL:** Symptoms associated with discontinuation of  
1123 PAXIL have been reported (see [PRECAUTIONS](#)). Patients should be monitored for these  
1124 symptoms when discontinuing treatment, regardless of the indication for which PAXIL is being  
1125 prescribed. A gradual reduction in the dose rather than abrupt cessation is recommended  
1126 whenever possible. If intolerable symptoms occur following a decrease in the dose or upon  
1127 discontinuation of treatment, then resuming the previously prescribed dose may be considered.  
1128 Subsequently, the physician may continue decreasing the dose but at a more gradual rate.

1129 **NOTE:** SHAKE SUSPENSION WELL BEFORE USING.

## 1130 HOW SUPPLIED

1131 **Tablets:** Film-coated, modified-oval as follows:

1132 10-mg yellow, scored tablets engraved on the front with PAXIL and on the back with 10.  
1133 NDC 0029-3210-13 Bottles of 30  
1134 20-mg pink, scored tablets engraved on the front with PAXIL and on the back with 20.  
1135 NDC 0029-3211-13 Bottles of 30  
1136 NDC 0029-3211-20 Bottles of 100  
1137 NDC 0029-3211-21 SUP 100s (intended for institutional use only)  
1138 30-mg blue tablets engraved on the front with PAXIL and on the back with 30.  
1139 NDC 0029-3212-13 Bottles of 30  
1140 40-mg green tablets engraved on the front with PAXIL and on the back with 40.  
1141 NDC 0029-3213-13 Bottles of 30  
1142 Store tablets between 15° and 30°C (59° and 86°F).  
1143 **Oral Suspension:** Orange-colored, orange-flavored, 10 mg/5 mL, in 250 mL white bottles.  
1144 NDC 0029-3215-48  
1145 Store suspension at or below 25°C (77°F).  
1146 PAXIL is a registered trademark of GlaxoSmithKline.  
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