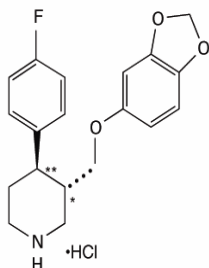


PRESCRIBING INFORMATION

1
2
3 **PAXIL[®]**
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 C₁₉H₂₀FNO₃•HCl•1/2H₂O. 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, α_1 -, α_2 -, beta-adrenergic-, dopamine
36 (D_2)-, 5-HT₁-, 5-HT₂-, and histamine (H_1)-receptors; antagonism of muscarinic, histaminergic,
37 and α_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 hydrochloride is completely absorbed after oral dosing of a
42 solution of the hydrochloride salt. The mean elimination half-life is approximately 21 hours
43 (CV 32%) after oral dosing of 30 mg of PAXIL daily for 30 days. Paroxetine is extensively
44 metabolized and the metabolites are considered to be inactive. Nonlinearity in pharmacokinetics
45 is observed with increasing doses. Paroxetine metabolism is mediated in part by CYP2D6, and
46 the metabolites are primarily excreted in the urine and to some extent in the feces.
47 Pharmacokinetic behavior of paroxetine has not been evaluated in subjects who are deficient in
48 CYP2D6 (poor metabolizers).

49 **Absorption and Distribution:** Paroxetine is equally bioavailable from the oral suspension
50 and tablet.

51 Paroxetine hydrochloride is completely absorbed after oral dosing of a solution of the
52 hydrochloride salt. In a study in which normal male subjects ($n = 15$) received 30 mg tablets
53 daily for 30 days, steady-state paroxetine concentrations were achieved by approximately
54 10 days for most subjects, although it may take substantially longer in an occasional patient. At
55 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.
56 (CV 10%), 30.7 ng/mL (CV 67%), and 21 hours (CV 32%), respectively. The steady-state C_{max}
57 and C_{min} values were about 6 and 14 times what would be predicted from single-dose studies.
58 Steady-state drug exposure based on AUC_{0-24} was about 8 times greater than would have been
59 predicted from single-dose data in these subjects. The excess accumulation is a consequence of
60 the fact that 1 of the enzymes that metabolizes paroxetine is readily saturable.

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

65 Paroxetine distributes throughout the body, including the CNS, with only 1% remaining in the
66 plasma.

67 Approximately 95% and 93% of paroxetine is bound to plasma protein at 100 ng/mL and
68 400 ng/mL, respectively. Under clinical conditions, paroxetine concentrations would normally be
69 less than 400 ng/mL. Paroxetine does not alter the in vitro protein binding of phenytoin or
70 warfarin.

71 **Metabolism and Excretion:** The mean elimination half-life is approximately 21 hours
72 (CV 32%) after oral dosing of 30 mg tablets daily for 30 days of PAXIL. In steady-state dose

73 proportionality studies involving elderly and nonelderly patients, at doses of 20 mg to 40 mg
74 daily for the elderly and 20 mg to 50 mg daily for the nonelderly, some nonlinearity was
75 observed in both populations, again reflecting a saturable metabolic pathway. In comparison to
76 C_{\min} values after 20 mg daily, values after 40 mg daily were only about 2 to 3 times greater than
77 doubled.

78 Paroxetine is extensively metabolized after oral administration. The principal metabolites are
79 polar and conjugated products of oxidation and methylation, which are readily cleared.
80 Conjugates with glucuronic acid and sulfate predominate, and major metabolites have been
81 isolated and identified. Data indicate that the metabolites have no more than 1/50 the potency of
82 the parent compound at inhibiting serotonin uptake. The metabolism of paroxetine is
83 accomplished in part by CYP2D6. Saturation of this enzyme at clinical doses appears to account
84 for the nonlinearity of paroxetine kinetics with increasing dose and increasing duration of
85 treatment. The role of this enzyme in paroxetine metabolism also suggests potential drug-drug
86 interactions (see PRECAUTIONS).

87 Approximately 64% of a 30-mg oral solution dose of paroxetine was excreted in the urine
88 with 2% as the parent compound and 62% as metabolites over a 10-day post-dosing period.
89 About 36% was excreted in the feces (probably via the bile), mostly as metabolites and less than
90 1% as the parent compound over the 10-day post-dosing period.

91 **Other Clinical Pharmacology Information: Specific Populations: Renal and Liver**
92 **Disease:** Increased plasma concentrations of paroxetine occur in subjects with renal and hepatic
93 impairment. The mean plasma concentrations in patients with creatinine clearance below
94 30 mL/min. was approximately 4 times greater than seen in normal volunteers. Patients with
95 creatinine clearance of 30 to 60 mL/min. and patients with hepatic functional impairment had
96 about a 2-fold increase in plasma concentrations (AUC, C_{\max}).

97 The initial dosage should therefore be reduced in patients with severe renal or hepatic
98 impairment, and upward titration, if necessary, should be at increased intervals (see DOSAGE
99 AND ADMINISTRATION).

100 **Elderly Patients:** In a multiple-dose study in the elderly at daily paroxetine doses of 20,
101 30, and 40 mg, C_{\min} concentrations were about 70% to 80% greater than the respective C_{\min}
102 concentrations in nonelderly subjects. Therefore the initial dosage in the elderly should be
103 reduced (see DOSAGE AND ADMINISTRATION).

104 **Drug-Drug Interactions:** In vitro drug interaction studies reveal that paroxetine inhibits
105 CYP2D6. Clinical drug interaction studies have been performed with substrates of CYP2D6 and
106 show that paroxetine can inhibit the metabolism of drugs metabolized by CYP2D6 including
107 desipramine, risperidone, and atomoxetine (see PRECAUTIONS—Drug Interactions).

108 **Clinical Trials**

109 **Major Depressive Disorder:** The efficacy of PAXIL as a treatment for major depressive
110 disorder has been established in 6 placebo-controlled studies of patients with major depressive
111 disorder (aged 18 to 73). In these studies, PAXIL was shown to be significantly more effective
112 than placebo in treating major depressive disorder by at least 2 of the following measures:

113 Hamilton Depression Rating Scale (HDRS), the Hamilton depressed mood item, and the Clinical
114 Global Impression (CGI)-Severity of Illness. PAXIL was significantly better than placebo in
115 improvement of the HDRS sub-factor scores, including the depressed mood item, sleep
116 disturbance factor, and anxiety factor.

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

122 **Obsessive Compulsive Disorder:** The effectiveness of PAXIL in the treatment of obsessive
123 compulsive disorder (OCD) was demonstrated in two 12-week multicenter placebo-controlled
124 studies of adult outpatients (Studies 1 and 2). Patients in all studies had moderate to severe OCD
125 (DSM-III-R) with mean baseline ratings on the Yale Brown Obsessive Compulsive Scale
126 (YBOCS) total score ranging from 23 to 26. Study 1, a dose-range finding study where patients
127 were treated with fixed doses of 20, 40, or 60 mg of paroxetine/day demonstrated that daily
128 doses of paroxetine 40 and 60 mg are effective in the treatment of OCD. Patients receiving doses
129 of 40 and 60 mg paroxetine experienced a mean reduction of approximately 6 and 7 points,
130 respectively, on the YBOCS total score which was significantly greater than the approximate 4-
131 point reduction at 20 mg and a 3-point reduction in the placebo-treated patients. Study 2 was a
132 flexible-dose study comparing paroxetine (20 to 60 mg daily) with clomipramine (25 to 250 mg
133 daily). In this study, patients receiving paroxetine experienced a mean reduction of
134 approximately 7 points on the YBOCS total score, which was significantly greater than the mean
135 reduction of approximately 4 points in placebo-treated patients.

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

138

Outcome Classification (%) on CGI-Global Improvement Item for Completers in Study 1				
Outcome Classification	Placebo (n = 74)	PAXIL 20 mg (n = 75)	PAXIL 40 mg (n = 66)	PAXIL 60 mg (n = 66)
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%

139

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

142 The long-term maintenance effects of PAXIL in OCD were demonstrated in a long-term
143 extension to Study 1. Patients who were responders on paroxetine during the 3-month
144 double-blind phase and a 6-month extension on open-label paroxetine (20 to 60 mg/day) were

145 randomized to either paroxetine or placebo in a 6-month double-blind relapse prevention phase.
146 Patients randomized to paroxetine were significantly less likely to relapse than comparably
147 treated patients who were randomized to placebo.

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

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

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

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

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

167 Long-term maintenance effects of PAXIL in panic disorder were demonstrated in an
168 extension to Study 1. Patients who were responders during the 10-week double-blind phase and
169 during a 3-month double-blind extension phase were randomized to either paroxetine (10, 20, or
170 40 mg/day) or placebo in a 3-month double-blind relapse prevention phase. Patients randomized
171 to paroxetine were significantly less likely to relapse than comparably treated patients who were
172 randomized to placebo.

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

175 **Social Anxiety Disorder:** The effectiveness of PAXIL in the treatment of social anxiety
176 disorder was demonstrated in three 12-week, multicenter, placebo-controlled studies (Studies 1,
177 2, and 3) of adult outpatients with social anxiety disorder (DSM-IV). In these studies, the
178 effectiveness of PAXIL compared to placebo was evaluated on the basis of (1) the proportion of
179 responders, as defined by a Clinical Global Impression (CGI) Improvement score of 1 (very
180 much improved) or 2 (much improved), and (2) change from baseline in the Liebowitz Social
181 Anxiety Scale (LSAS).

182 Studies 1 and 2 were flexible-dose studies comparing paroxetine (20 to 50 mg daily) and
183 placebo. Paroxetine demonstrated statistically significant superiority over placebo on both the
184 CGI Improvement responder criterion and the Liebowitz Social Anxiety Scale (LSAS). In

185 Study 1, for patients who completed to week 12, 69% of paroxetine-treated patients compared to
186 29% of placebo-treated patients were CGI Improvement responders. In Study 2, CGI
187 Improvement responders were 77% and 42% for the paroxetine- and placebo-treated patients,
188 respectively.

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

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

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

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

204 Study 2 was a flexible-dose study comparing paroxetine (20 mg to 50 mg daily) and placebo.
205 PAXIL demonstrated statistically significant superiority over placebo on the Hamilton Rating
206 Scale for Anxiety (HAM-A) total score. A third study, also flexible-dose comparing paroxetine
207 (20 mg to 50 mg daily), did not demonstrate statistically significant superiority of PAXIL over
208 placebo on the Hamilton Rating Scale for Anxiety (HAM-A) total score, the primary outcome.

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

211 In a longer-term trial, 566 patients meeting DSM-IV criteria for Generalized Anxiety
212 Disorder, who had responded during a single-blind, 8-week acute treatment phase with 20 to
213 50 mg/day of PAXIL, were randomized to continuation of PAXIL at their same dose, or to
214 placebo, for up to 24 weeks of observation for relapse. Response during the single-blind phase
215 was defined by having a decrease of ≥ 2 points compared to baseline on the CGI-Severity of
216 Illness scale, to a score of ≤ 3 . Relapse during the double-blind phase was defined as an increase
217 of ≥ 2 points compared to baseline on the CGI-Severity of Illness scale to a score of ≥ 4 , or
218 withdrawal due to lack of efficacy. Patients receiving continued PAXIL experienced a
219 significantly lower relapse rate over the subsequent 24 weeks compared to those receiving
220 placebo.

221 **Posttraumatic Stress Disorder:** The effectiveness of PAXIL in the treatment of
222 Posttraumatic Stress Disorder (PTSD) was demonstrated in two 12-week, multicenter, placebo-
223 controlled studies (Studies 1 and 2) of adult outpatients who met DSM-IV criteria for PTSD. The
224 mean duration of PTSD symptoms for the 2 studies combined was 13 years (ranging from .1 year

225 to 57 years). The percentage of patients with secondary major depressive disorder or non-PTSD
226 anxiety disorders in the combined 2 studies was 41% (356 out of 858 patients) and 40% (345 out
227 of 858 patients), respectively. Study outcome was assessed by (i) the Clinician-Administered
228 PTSD Scale Part 2 (CAPS-2) score and (ii) the Clinical Global Impression-Global Improvement
229 Scale (CGI-I). The CAPS-2 is a multi-item instrument that measures 3 aspects of PTSD with the
230 following symptom clusters: Reexperiencing/intrusion, avoidance/numbing and hyperarousal.
231 The 2 primary outcomes for each trial were (i) change from baseline to endpoint on the CAPS-2
232 total score (17 items), and (ii) proportion of responders on the CGI-I, where responders were
233 defined as patients having a score of 1 (very much improved) or 2 (much improved).

234 Study 1 was a 12-week study comparing fixed paroxetine doses of 20 mg or 40 mg/day to
235 placebo. Doses of 20 mg and 40 mg of PAXIL were demonstrated to be significantly superior to
236 placebo on change from baseline for the CAPS-2 total score and on proportion of responders on
237 the CGI-I. There was not sufficient evidence in this study to suggest a greater benefit for the
238 40 mg/day dose compared to the 20 mg/day dose.

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

242 A third study, also a flexible-dose study comparing paroxetine (20 to 50 mg daily) to placebo,
243 demonstrated PAXIL to be significantly superior to placebo on change from baseline for CAPS-
244 2 total score, but not on proportion of responders on the CGI-I.

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

250 **INDICATIONS AND USAGE**

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

253 The efficacy of PAXIL in the treatment of a major depressive episode was established in
254 6-week controlled trials of outpatients whose diagnoses corresponded most closely to the
255 DSM-III category of major depressive disorder (see CLINICAL PHARMACOLOGY—Clinical
256 Trials). A major depressive episode implies a prominent and relatively persistent depressed or
257 dysphoric mood that usually interferes with daily functioning (nearly every day for at least
258 2 weeks); it should include at least 4 of the following 8 symptoms: Change in appetite, change in
259 sleep, psychomotor agitation or retardation, loss of interest in usual activities or decrease in
260 sexual drive, increased fatigue, feelings of guilt or worthlessness, slowed thinking or impaired
261 concentration, and a suicide attempt or suicidal ideation.

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

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

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

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

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

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

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

288 The efficacy of PAXIL was established in three 10- to 12-week trials in panic disorder
289 patients whose diagnoses corresponded to the DSM-III-R category of panic disorder (see
290 CLINICAL PHARMACOLOGY—Clinical Trials).

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

299 Long-term maintenance of efficacy was demonstrated in a 3-month relapse prevention trial. In
300 this trial, patients with panic disorder assigned to paroxetine demonstrated a lower relapse rate
301 compared to patients on placebo (see CLINICAL PHARMACOLOGY—Clinical Trials).

302 Nevertheless, the physician who prescribes PAXIL for extended periods should periodically
303 re-evaluate the long-term usefulness of the drug for the individual patient.

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

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

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

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

325 The efficacy of PAXIL in the treatment of GAD was established in two 8-week
326 placebo-controlled trials in adults with GAD. PAXIL has not been studied in children or
327 adolescents with Generalized Anxiety Disorder (see CLINICAL PHARMACOLOGY—Clinical
328 Trials).

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

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

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

343 The efficacy of PAXIL in the treatment of PTSD was established in two 12-week placebo-
344 controlled trials in adults with PTSD (DSM-IV) (see CLINICAL PHARMACOLOGY—Clinical
345 Trials).

346 PTSD, as defined by DSM-IV, requires exposure to a traumatic event that involved actual or
347 threatened death or serious injury, or threat to the physical integrity of self or others, and a
348 response that involves intense fear, helplessness, or horror. Symptoms that occur as a result of
349 exposure to the traumatic event include reexperiencing of the event in the form of intrusive
350 thoughts, flashbacks, or dreams, and intense psychological distress and physiological reactivity
351 on exposure to cues to the event; avoidance of situations reminiscent of the traumatic event,
352 inability to recall details of the event, and/or numbing of general responsiveness manifested as
353 diminished interest in significant activities, estrangement from others, restricted range of affect,
354 or sense of foreshortened future; and symptoms of autonomic arousal including hypervigilance,
355 exaggerated startle response, sleep disturbance, impaired concentration, and irritability or
356 outbursts of anger. A PTSD diagnosis requires that the symptoms are present for at least a month
357 and that they cause clinically significant distress or impairment in social, occupational, or other
358 important areas of functioning.

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

363 **CONTRAINDICATIONS**

364 Concomitant use in patients taking either monoamine oxidase inhibitors (MAOIs) or
365 thioridazine is contraindicated (see WARNINGS and PRECAUTIONS).

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

368 **WARNINGS**

369 **Potential for Interaction With Monoamine Oxidase Inhibitors:** In patients receiving
370 another serotonin reuptake inhibitor drug in combination with a monoamine oxidase
371 inhibitor (MAOI), there have been reports of serious, sometimes fatal, reactions including
372 hyperthermia, rigidity, myoclonus, autonomic instability with possible rapid fluctuations of
373 vital signs, and mental status changes that include extreme agitation progressing to
374 delirium and coma. These reactions have also been reported in patients who have recently
375 discontinued that drug and have been started on an MAOI. Some cases presented with
376 features resembling neuroleptic malignant syndrome. While there are no human data
377 showing such an interaction with PAXIL, limited animal data on the effects of combined
378 use of paroxetine and MAOIs suggest that these drugs may act synergistically to elevate
379 blood pressure and evoke behavioral excitation. Therefore, it is recommended that PAXIL

380 **not be used in combination with an MAOI, or within 14 days of discontinuing treatment**
381 **with an MAOI. At least 2 weeks should be allowed after stopping PAXIL before starting an**
382 **MAOI.**

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

387 **An in vivo study suggests that drugs which inhibit CYP2D6, such as paroxetine, will**
388 **elevate plasma levels of thioridazine. Therefore, it is recommended that paroxetine not be**
389 **used in combination with thioridazine (see CONTRAINDICATIONS and**
390 **PRECAUTIONS).**

391 **Clinical Worsening and Suicide Risk:** Patients with major depressive disorder, both adult
392 and pediatric, may experience worsening of their depression and/or the emergence of suicidal
393 ideation and behavior (suicidality), whether or not they are taking antidepressant medications,
394 and this risk may persist until significant remission occurs. Although there has been a long-
395 standing concern that antidepressants may have a role in inducing worsening of depression and
396 the emergence of suicidality in certain patients, a causal role for antidepressants in inducing such
397 behaviors has not been established. **Nevertheless, patients being treated with antidepressants**
398 **should be observed closely for clinical worsening and suicidality, especially at the beginning**
399 **of a course of drug therapy, or at the time of dose changes, either increases or decreases.**
400 Consideration should be given to changing the therapeutic regimen, including possibly
401 discontinuing the medication, in patients whose depression is persistently worse or whose
402 emergent suicidality is severe, abrupt in onset, or was not part of the patient's presenting
403 symptoms.

404 Because of the possibility of co-morbidity between major depressive disorder and other
405 psychiatric and nonpsychiatric disorders, the same precautions observed when treating patients
406 with major depressive disorder should be observed when treating patients with other psychiatric
407 and nonpsychiatric disorders.

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

417 **Families and caregivers of patients being treated with antidepressants for major**
418 **depressive disorder or other indications, both psychiatric and nonpsychiatric, should be**
419 **alerted about the need to monitor patients for the emergence of agitation, irritability, and**

420 **the other symptoms described above, as well as the emergence of suicidality, and to report**
421 **such symptoms immediately to health care providers.** Prescriptions for PAXIL should be
422 written for the smallest quantity of tablets consistent with good patient management, in order to
423 reduce the risk of overdose.

424 If the decision has been made to discontinue treatment, medication should be tapered, as
425 rapidly as is feasible, but with recognition that abrupt discontinuation can be associated with
426 certain symptoms (see PRECAUTIONS and DOSAGE AND ADMINISTRATION—
427 Discontinuation of Treatment With PAXIL, for a description of the risks of discontinuation of
428 PAXIL).

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

431 A major depressive episode may be the initial presentation of bipolar disorder. It is generally
432 believed (though not established in controlled trials) that treating such an episode with an
433 antidepressant alone may increase the likelihood of precipitation of a mixed/manic episode in
434 patients at risk for bipolar disorder. Whether any of the symptoms described above represent
435 such a conversion is unknown. However, prior to initiating treatment with an antidepressant,
436 patients should be adequately screened to determine if they are at risk for bipolar disorder; such
437 screening should include a detailed psychiatric history, including a family history of suicide,
438 bipolar disorder, and depression. It should be noted that PAXIL is not approved for use in
439 treating bipolar depression.

440 **PRECAUTIONS**

441 **General: Activation of Mania/Hypomania:** During premarketing testing, hypomania or
442 mania occurred in approximately 1.0% of unipolar patients treated with PAXIL compared to
443 1.1% of active-control and 0.3% of placebo-treated unipolar patients. In a subset of patients
444 classified as bipolar, the rate of manic episodes was 2.2% for PAXIL and 11.6% for the
445 combined active-control groups. As with all drugs effective in the treatment of major depressive
446 disorder, PAXIL should be used cautiously in patients with a history of mania.

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

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

457 With this regimen in those studies, the following adverse events were reported at an incidence
458 of 2% or greater for PAXIL and were at least twice that reported for placebo: Abnormal dreams,

459 paresthesia, and dizziness. In the majority of patients, these events were mild to moderate and
460 were self-limiting and did not require medical intervention.

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

468 Patients should be monitored for these symptoms when discontinuing treatment with PAXIL.
469 A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible.
470 If intolerable symptoms occur following a decrease in the dose or upon discontinuation of
471 treatment, then resuming the previously prescribed dose may be considered. Subsequently, the
472 physician may continue decreasing the dose but at a more gradual rate (see DOSAGE AND
473 ADMINISTRATION).

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

478 **Abnormal Bleeding:** Published case reports have documented the occurrence of bleeding
479 episodes in patients treated with psychotropic agents that interfere with serotonin reuptake.
480 Subsequent epidemiological studies, both of the case-control and cohort design, have
481 demonstrated an association between use of psychotropic drugs that interfere with serotonin
482 reuptake and the occurrence of upper gastrointestinal bleeding. In 2 studies, concurrent use of a
483 nonsteroidal anti-inflammatory drug (NSAID) or aspirin potentiated the risk of bleeding (see
484 Drug Interactions). Although these studies focused on upper gastrointestinal bleeding, there is
485 reason to believe that bleeding at other sites may be similarly potentiated. Patients should be
486 cautioned regarding the risk of bleeding associated with the concomitant use of paroxetine with
487 NSAIDs, aspirin, or other drugs that affect coagulation.

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

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

496 PAXIL has not been evaluated or used to any appreciable extent in patients with a recent
497 history of myocardial infarction or unstable heart disease. Patients with these diagnoses were
498 excluded from clinical studies during the product's premarket testing. Evaluation of

499 electrocardiograms of 682 patients who received PAXIL in double-blind, placebo-controlled
500 trials, however, did not indicate that PAXIL is associated with the development of significant
501 ECG abnormalities. Similarly, PAXIL does not cause any clinically important changes in heart
502 rate or blood pressure.

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

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

508 Patients and their families should be encouraged to be alert to the emergence of anxiety,
509 agitation, panic attacks, insomnia, irritability, hostility, impulsivity, akathisia, hypomania, mania,
510 worsening of depression, and suicidal ideation, especially early during antidepressant treatment.
511 Such symptoms should be reported to the patient's physician, especially if they are severe, abrupt
512 in onset, or were not part of the patient's presenting symptoms.

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

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

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

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

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

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

531 **Nursing:** Patients should be advised to notify their physician if they are breast-feeding an
532 infant (see PRECAUTIONS—Nursing Mothers).

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

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

539 **Monoamine Oxidase Inhibitors:** See CONTRAINDICATIONS and WARNINGS.

540 **Thioridazine:** See CONTRAINDICATIONS and WARNINGS.

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

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

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

553 **Cimetidine:** Cimetidine inhibits many cytochrome P₄₅₀ (oxidative) enzymes. In a study
554 where PAXIL (30 mg once daily) was dosed orally for 4 weeks, steady-state plasma
555 concentrations of paroxetine were increased by approximately 50% during coadministration with
556 oral cimetidine (300 mg three times daily) for the final week. Therefore, when these drugs are
557 administered concurrently, dosage adjustment of PAXIL after the 20-mg starting dose should be
558 guided by clinical effect. The effect of paroxetine on cimetidine's pharmacokinetics was not
559 studied.

560 **Phenobarbital:** Phenobarbital induces many cytochrome P₄₅₀ (oxidative) enzymes. When a
561 single oral 30-mg dose of PAXIL was administered at phenobarbital steady state (100 mg once
562 daily for 14 days), paroxetine AUC and T_{1/2} were reduced (by an average of 25% and 38%,
563 respectively) compared to paroxetine administered alone. The effect of paroxetine on
564 phenobarbital pharmacokinetics was not studied. Since PAXIL exhibits nonlinear
565 pharmacokinetics, the results of this study may not address the case where the 2 drugs are both
566 being chronically dosed. No initial dosage adjustment of PAXIL is considered necessary when
567 coadministered with phenobarbital; any subsequent adjustment should be guided by clinical
568 effect.

569 **Phenytoin:** When a single oral 30-mg dose of PAXIL was administered at phenytoin steady
570 state (300 mg once daily for 14 days), paroxetine AUC and T_{1/2} were reduced (by an average of
571 50% and 35%, respectively) compared to PAXIL administered alone. In a separate study, when a
572 single oral 300-mg dose of phenytoin was administered at paroxetine steady state (30 mg once
573 daily for 14 days), phenytoin AUC was slightly reduced (12% on average) compared to
574 phenytoin administered alone. Since both drugs exhibit nonlinear pharmacokinetics, the above
575 studies may not address the case where the 2 drugs are both being chronically dosed. No initial
576 dosage adjustments are considered necessary when these drugs are coadministered; any
577 subsequent adjustments should be guided by clinical effect (see ADVERSE REACTIONS—
578 Postmarketing Reports).

579 **Drugs Metabolized by CYP2D6:** Many drugs, including most drugs effective in the
580 treatment of major depressive disorder (paroxetine, other SSRIs and many tricyclics), are
581 metabolized by the cytochrome P₄₅₀ isozyme CYP2D6. Like other agents that are metabolized by
582 CYP2D6, paroxetine may significantly inhibit the activity of this isozyme. In most patients
583 (>90%), this CYP2D6 isozyme is saturated early during dosing with PAXIL. In 1 study, daily
584 dosing of PAXIL (20 mg once daily) under steady-state conditions increased single dose
585 desipramine (100 mg) C_{max}, AUC, and T_{1/2} by an average of approximately 2-, 5-, and 3-fold,
586 respectively. Concomitant use of paroxetine with risperidone, a CYP2D6 substrate has also been
587 evaluated. In 1 study, daily dosing of paroxetine 20 mg in patients stabilized on risperidone (4 to
588 8 mg/day) increased mean plasma concentrations of risperidone approximately 4-fold, decreased
589 9-hydroxyrisperidone concentrations approximately 10%, and increased concentrations of the
590 active moiety (the sum of risperidone plus 9-hydroxyrisperidone) approximately 1.4-fold. The
591 effect of paroxetine on the pharmacokinetics of atomoxetine has been evaluated when both drugs
592 were at steady state. In healthy volunteers who were extensive metabolizers of CYP2D6,
593 paroxetine 20 mg daily was given in combination with 20 mg atomoxetine every 12 hours. This
594 resulted in increases in steady state atomoxetine AUC values that were 6- to 8-fold greater and in
595 atomoxetine C_{max} values that were 3- to 4-fold greater than when atomoxetine was given alone.
596 Dosage adjustment of atomoxetine may be necessary and it is recommended that atomoxetine be
597 initiated at a reduced dose when it is given with paroxetine.

598 Concomitant use of PAXIL with other drugs metabolized by cytochrome CYP2D6 has not
599 been formally studied but may require lower doses than usually prescribed for either PAXIL or
600 the other drug.

601 Therefore, coadministration of PAXIL with other drugs that are metabolized by this isozyme,
602 including certain drugs effective in the treatment of major depressive disorder (e.g., nortriptyline,
603 amitriptyline, imipramine, desipramine, and fluoxetine), phenothiazines, risperidone, and Type
604 1C antiarrhythmics (e.g., propafenone, flecainide, and encainide), or that inhibit this enzyme
605 (e.g., quinidine), should be approached with caution.

606 However, due to the risk of serious ventricular arrhythmias and sudden death potentially
607 associated with elevated plasma levels of thioridazine, paroxetine and thioridazine should not be
608 coadministered (see CONTRAINDICATIONS and WARNINGS).

609 At steady state, when the CYP2D6 pathway is essentially saturated, paroxetine clearance is
610 governed by alternative P₄₅₀ isozymes that, unlike CYP2D6, show no evidence of saturation (see
611 PRECAUTIONS—*Tricyclic Antidepressants*).

612 **Drugs Metabolized by Cytochrome CYP3A4:** An in vivo interaction study involving
613 the coadministration under steady-state conditions of paroxetine and terfenadine, a substrate for
614 cytochrome CYP3A4, revealed no effect of paroxetine on terfenadine pharmacokinetics. In
615 addition, in vitro studies have shown ketoconazole, a potent inhibitor of CYP3A4 activity, to be
616 at least 100 times more potent than paroxetine as an inhibitor of the metabolism of several
617 substrates for this enzyme, including terfenadine, astemizole, cisapride, triazolam, and
618 cyclosporine. Based on the assumption that the relationship between paroxetine's in vitro K_i and

619 its lack of effect on terfenadine's in vivo clearance predicts its effect on other CYP3A4
620 substrates, paroxetine's extent of inhibition of CYP3A4 activity is not likely to be of clinical
621 significance.

622 **Tricyclic Antidepressants (TCAs):** Caution is indicated in the coadministration of
623 tricyclic antidepressants (TCAs) with PAXIL, because paroxetine may inhibit TCA metabolism.
624 Plasma TCA concentrations may need to be monitored, and the dose of TCA may need to be
625 reduced, if a TCA is coadministered with PAXIL (see PRECAUTIONS—*Drugs Metabolized by*
626 *Cytochrome CYP2D6*).

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

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

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

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

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

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

650 **Procyclidine:** Daily oral dosing of PAXIL (30 mg once daily) increased steady-state AUC₀₋
651 ₂₄, C_{max}, and C_{min} values of procyclidine (5 mg oral once daily) by 35%, 37%, and 67%,
652 respectively, compared to procyclidine alone at steady state. If anticholinergic effects are seen,
653 the dose of procyclidine should be reduced.

654 **Beta-Blockers:** In a study where propranolol (80 mg twice daily) was dosed orally for
655 18 days, the established steady-state plasma concentrations of propranolol were unaltered during
656 coadministration with PAXIL (30 mg once daily) for the final 10 days. The effects of
657 propranolol on paroxetine have not been evaluated (see ADVERSE REACTIONS—
658 Postmarketing Reports).

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

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

665 **Carcinogenesis, Mutagenesis, Impairment of Fertility: Carcinogenesis:** Two-year
666 carcinogenicity studies were conducted in rodents given paroxetine in the diet at 1, 5, and
667 25 mg/kg/day (mice) and 1, 5, and 20 mg/kg/day (rats). These doses are up to 2.4 (mouse) and
668 3.9 (rat) times the maximum recommended human dose (MRHD) for major depressive disorder,
669 social anxiety disorder, GAD, and PTSD on a mg/m² basis. Because the MRHD for major
670 depressive disorder is slightly less than that for OCD (50 mg versus 60 mg), the doses used in
671 these carcinogenicity studies were only 2.0 (mouse) and 3.2 (rat) times the MRHD for OCD.
672 There was a significantly greater number of male rats in the high-dose group with reticulum cell
673 sarcomas (1/100, 0/50, 0/50, and 4/50 for control, low-, middle-, and high-dose groups,
674 respectively) and a significantly increased linear trend across dose groups for the occurrence of
675 lymphoreticular tumors in male rats. Female rats were not affected. Although there was a
676 dose-related increase in the number of tumors in mice, there was no drug-related increase in the
677 number of mice with tumors. The relevance of these findings to humans is unknown.

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

682 **Impairment of Fertility:** A reduced pregnancy rate was found in reproduction studies in
683 rats at a dose of paroxetine of 15 mg/kg/day, which is 2.9 times the MRHD for major depressive
684 disorder, social anxiety disorder, GAD, and PTSD or 2.4 times the MRHD for OCD on a mg/m²
685 basis. Irreversible lesions occurred in the reproductive tract of male rats after dosing in toxicity
686 studies for 2 to 52 weeks. These lesions consisted of vacuolation of epididymal tubular
687 epithelium at 50 mg/kg/day and atrophic changes in the seminiferous tubules of the testes with
688 arrested spermatogenesis at 25 mg/kg/day (9.8 and 4.9 times the MRHD for major depressive
689 disorder, social anxiety disorder, and GAD; 8.2 and 4.1 times the MRHD for OCD and PD on a
690 mg/m² basis).

691 **Pregnancy: Teratogenic Effects:** Pregnancy Category C. Reproduction studies were
692 performed at doses up to 50 mg/kg/day in rats and 6 mg/kg/day in rabbits administered during
693 organogenesis. These doses are equivalent to 9.7 (rat) and 2.2 (rabbit) times the maximum
694 recommended human dose (MRHD) for major depressive disorder, social anxiety disorder,
695 GAD, and PTSD (50 mg) and 8.1 (rat) and 1.9 (rabbit) times the MRHD for OCD, on an mg/m²
696 basis. These studies have revealed no evidence of teratogenic effects. However, in rats, there was
697 an increase in pup deaths during the first 4 days of lactation when dosing occurred during the last
698 trimester of gestation and continued throughout lactation. This effect occurred at a dose of

699 1 mg/kg/day or 0.19 times (mg/m²) the MRHD for major depressive disorder, social anxiety
700 disorder, GAD, and PTSD; and at 0.16 times (mg/m²) the MRHD for OCD. The no-effect dose
701 for rat pup mortality was not determined. The cause of these deaths is not known. There are no
702 adequate and well-controlled studies in pregnant women. Because animal reproduction studies
703 are not always predictive of human response, this drug should be used during pregnancy only if
704 the potential benefit justifies the potential risk to the fetus.

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

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

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

720 **Pediatric Use:** Safety and effectiveness in the pediatric population have not been established
721 (see WARNINGS—Clinical Worsening and Suicide Risk).

722 **Geriatric Use:** In worldwide premarketing clinical trials with PAXIL, 17% of patients treated
723 with PAXIL (approximately 700) were 65 years of age or older. Pharmacokinetic studies
724 revealed a decreased clearance in the elderly, and a lower starting dose is recommended; there
725 were, however, no overall differences in the adverse event profile between elderly and younger
726 patients, and effectiveness was similar in younger and older patients (see CLINICAL
727 PHARMACOLOGY and DOSAGE AND ADMINISTRATION).

728 **ADVERSE REACTIONS**

729 **Associated With Discontinuation of Treatment:** Twenty percent (1,199/6,145) of patients
730 treated with PAXIL in worldwide clinical trials in major depressive disorder and 16.1%
731 (84/522), 11.8% (64/542), 9.4% (44/469), 10.7% (79/735), and 11.7% (79/676) of patients
732 treated with PAXIL in worldwide trials in social anxiety disorder, OCD, panic disorder, GAD,
733 and PTSD, respectively, discontinued treatment due to an adverse event. The most common
734 events (≥1%) associated with discontinuation and considered to be drug related (i.e., those events
735 associated with dropout at a rate approximately twice or greater for PAXIL compared to placebo)
736 included the following:

737

	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
CNS												
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%	—	—
Gastrointestinal												
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%	—	—	—	—
Other												
Asthenia	1.6%	0.4%	1.9%	0.4%	—	—	2.5%	0.6%	1.8%	0.2%	1.6%	0.2%
Abnormal ejaculation ¹	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 ¹	—	—	1.5%	0%	—	—	—	—	—	—	—	—
Libido	—	—	—	—	—	—	—	—	—	—	—	—
Decreased	—	—	—	—	—	—	1.0%	0%	—	—	—	—

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

740 1. Incidence corrected for gender.

741

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

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

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

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

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

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

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

778 **Major Depressive Disorder:** Table 1 enumerates adverse events that occurred at an
779 incidence of 1% or more among paroxetine-treated patients who participated in short-term
780 (6-week) placebo-controlled trials in which patients were dosed in a range of 20 mg to
781 50 mg/day. Reported adverse events were classified using a standard COSTART-based
782 Dictionary terminology.

783

784 **Table 1. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled**
 785 **Clinical Trials for Major Depressive Disorder¹**

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 ²	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 ^{3,4}	13%	0%	
	Other Male Genital Disorders ^{3,5}	10%	0%	
	Urinary Frequency	3%	1%	
	Urination Disorder ⁶	3%	0%	
	Female Genital Disorders ^{3,7}	2%	0%	

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

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

792 3. Percentage corrected for gender.

- 793 4. Mostly “ejaculatory delay.”
 794 5. Includes “anorgasmia,” “erectile difficulties,” “delayed ejaculation/orgasm,” and “sexual
 795 dysfunction,” and “impotence.”
 796 6. Includes mostly “difficulty with micturition” and “urinary hesitancy.”
 797 7. Includes mostly “anorgasmia” and “difficulty reaching climax/orgasm.”
 798

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

800 Table 2 enumerates adverse events that occurred at a frequency of 2% or more among OCD
 801 patients on PAXIL who participated in placebo-controlled trials of 12-weeks duration in which
 802 patients were dosed in a range of 20 mg to 60 mg/day or among patients with panic disorder on
 803 PAXIL who participated in placebo-controlled trials of 10- to 12-weeks duration in which
 804 patients were dosed in a range of 10 mg to 60 mg/day or among patients with social anxiety
 805 disorder on PAXIL who participated in placebo-controlled trials of 12-weeks duration in which
 806 patients were dosed in a range of 20 mg to 50 mg/day.
 807

808 **Table 2. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled**
 809 **Clinical Trials for Obsessive Compulsive Disorder, Panic Disorder, and Social Anxiety**
 810 **Disorder¹**

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%	

		Obsessive Compulsive Disorder		Panic Disorder		Social Anxiety Disorder	
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 ²	23%	1%	21%	1%	28%	1%
	Dysmenorrhea	—	—	—	—	5%	4%
	Female Genital						
	Disorder ²	3%	0%	9%	1%	9%	1%
	Impotence ²	8%	1%	5%	0%	5%	1%
	Urinary						
	Frequency	3%	1%	2%	0%	—	—
Urination							
Impaired	3%	0%	—	—	—	—	
Urinary Tract							
Infection	2%	1%	2%	1%	—	—	

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

819 2. Percentage corrected for gender.

820

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

827

828 **Table 3. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled**
829 **Clinical Trials for Generalized Anxiety Disorder and Posttraumatic Stress Disorder¹**

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%	
Abnormal Dreams				3%	2%	
Respiratory System	Respiratory Disorder	7%	5%	—	—	
	Sinusitis	4%	3%	—	—	
	Yawn	4%	—	2%	<1%	
Special Senses	Abnormal Vision	2%	1%	3%	1%	
Urogenital System	Abnormal Ejaculation ²	25%	2%	13%	2%	
	Female Genital Disorder ²	4%	1%	5%	1%	
	Impotence ²	4%	3%	9%	1%	

830 1. Events reported by at least 2% of GAD and PTSD in patients treated with PAXIL are included, except the
831 following events which had an incidence on placebo \geq PAXIL [GAD]: Abdominal pain, back pain, trauma,
832 dyspepsia, myalgia, and pharyngitis. [PTSD]: Back pain, headache, anxiety, depression, nervousness, respiratory
833 disorder, pharyngitis, and sinusitis.

834 2. Percentage corrected for gender.

835
836
837
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841
842

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
Body as a Whole					
Asthenia	0.0%	2.9%	10.6%	13.9%	12.7%
Dermatology					
Sweating	2.0%	1.0%	6.7%	8.9%	11.8%
Gastrointestinal					
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%
Nervous System					
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%
Special Senses					
Blurred Vision	2.0%	2.9%	2.9%	2.0%	7.8%
Urogenital System					
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%

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

845
846 In a fixed-dose study comparing placebo and 20, 40, and 60 mg of PAXIL in the treatment of
847 OCD, there was no clear relationship between adverse events and the dose of PAXIL to which
848 patients were assigned. No new adverse events were observed in the group treated with 60 mg of
849 PAXIL compared to any of the other treatment groups.

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

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

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

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

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

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

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

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

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

882

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

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

884

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

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

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

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

896 **ECG Changes:** In an analysis of ECGs obtained in 682 patients treated with PAXIL and
897 415 patients treated with placebo in controlled clinical trials, no clinically significant changes
898 were seen in the ECGs of either group.

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

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

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

924 Events are further categorized by body system and listed in order of decreasing frequency
925 according to the following definitions: Frequent adverse events are those occurring on 1 or more
926 occasions in at least 1/100 patients (only those not already listed in the tabulated results from
927 placebo-controlled trials appear in this listing); infrequent adverse events are those occurring in
928 1/100 to 1/1,000 patients; rare events are those occurring in fewer than 1/1,000 patients. Events
929 of major clinical importance are also described in the PRECAUTIONS section.

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

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

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

946 **Endocrine System:** *Rare:* Diabetes mellitus, goiter, hyperthyroidism, hypothyroidism,
947 thyroiditis.

948 **Hemic and Lymphatic Systems:** *Infrequent:* Anemia, leukopenia, lymphadenopathy,
949 purpura; *rare:* Abnormal erythrocytes, basophilia, bleeding time increased, eosinophilia,
950 hypochromic anemia, iron deficiency anemia, leukocytosis, lymphedema, abnormal
951 lymphocytes, lymphocytosis, microcytic anemia, monocytosis, normocytic anemia,
952 thrombocythemia, thrombocytopenia.

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

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

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

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

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

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

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

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

989 **Postmarketing Reports:** Voluntary reports of adverse events in patients taking PAXIL that
990 have been received since market introduction and not listed above that may have no causal
991 relationship with the drug include acute pancreatitis, elevated liver function tests (the most
992 severe cases were deaths due to liver necrosis, and grossly elevated transaminases associated
993 with severe liver dysfunction), Guillain-Barré syndrome, toxic epidermal necrolysis, priapism,
994 syndrome of inappropriate ADH secretion, symptoms suggestive of prolactinemia and
995 galactorrhea, neuroleptic malignant syndrome-like events; extrapyramidal symptoms which have
996 included akathisia, bradykinesia, cogwheel rigidity, dystonia, hypertonia, oculogyric crisis which
997 has been associated with concomitant use of pimozide; tremor and trismus; serotonin syndrome,
998 associated in some cases with concomitant use of serotonergic drugs and with drugs which may
999 have impaired metabolism of PAXIL (symptoms have included agitation, confusion, diaphoresis,
1000 hallucinations, hyperreflexia, myoclonus, shivering, tachycardia, and tremor), status epilepticus,
1001 acute renal failure, pulmonary hypertension, allergic alveolitis, anaphylaxis, eclampsia,
1002 laryngismus, optic neuritis, porphyria, ventricular fibrillation, ventricular tachycardia (including
1003 torsade de pointes), thrombocytopenia, hemolytic anemia, events related to impaired

1004 hematopoiesis (including aplastic anemia, pancytopenia, bone marrow aplasia, and
1005 agranulocytosis), and vasculitic syndromes (such as Henoch-Schönlein purpura). There has been
1006 a case report of an elevated phenytoin level after 4 weeks of PAXIL and phenytoin
1007 coadministration. There has been a case report of severe hypotension when PAXIL was added to
1008 chronic metoprolol treatment.

1009 **DRUG ABUSE AND DEPENDENCE**

1010 **Controlled Substance Class:** PAXIL is not a controlled substance.

1011 **Physical and Psychologic Dependence:** PAXIL has not been systematically studied in
1012 animals or humans for its potential for abuse, tolerance or physical dependence. While the
1013 clinical trials did not reveal any tendency for any drug-seeking behavior, these observations were
1014 not systematic and it is not possible to predict on the basis of this limited experience the extent to
1015 which a CNS-active drug will be misused, diverted, and/or abused once marketed. Consequently,
1016 patients should be evaluated carefully for history of drug abuse, and such patients should be
1017 observed closely for signs of misuse or abuse of PAXIL (e.g., development of tolerance,
1018 incrementations of dose, drug-seeking behavior).

1019 **OVERDOSAGE**

1020 **Human Experience:** Since the introduction of PAXIL in the United States, 342 spontaneous
1021 cases of deliberate or accidental overdosage during paroxetine treatment have been reported
1022 worldwide (circa 1999). These include overdoses with paroxetine alone and in combination with
1023 other substances. Of these, 48 cases were fatal and of the fatalities, 17 appeared to involve
1024 paroxetine alone. Eight fatal cases that documented the amount of paroxetine ingested were
1025 generally confounded by the ingestion of other drugs or alcohol or the presence of significant
1026 comorbid conditions. Of 145 non-fatal cases with known outcome, most recovered without
1027 sequelae. The largest known ingestion involved 2,000 mg of paroxetine (33 times the maximum
1028 recommended daily dose) in a patient who recovered.

1029 Commonly reported adverse events associated with paroxetine overdosage include
1030 somnolence, coma, nausea, tremor, tachycardia, confusion, vomiting, and dizziness. Other
1031 notable signs and symptoms observed with overdoses involving paroxetine (alone or with other
1032 substances) include mydriasis, convulsions (including status epilepticus), ventricular
1033 dysrhythmias (including torsade de pointes), hypertension, aggressive reactions, syncope,
1034 hypotension, stupor, bradycardia, dystonia, rhabdomyolysis, symptoms of hepatic dysfunction
1035 (including hepatic failure, hepatic necrosis, jaundice, hepatitis, and hepatic steatosis), serotonin
1036 syndrome, manic reactions, myoclonus, acute renal failure, and urinary retention.

1037 **Overdosage Management:** Treatment should consist of those general measures employed in
1038 the management of overdosage with any drugs effective in the treatment of major depressive
1039 disorder.

1040 Ensure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital
1041 signs. General supportive and symptomatic measures are also recommended. Induction of emesis
1042 is not recommended. Gastric lavage with a large-bore orogastric tube with appropriate airway

1043 protection, if needed, may be indicated if performed soon after ingestion, or in symptomatic
1044 patients.

1045 Activated charcoal should be administered. Due to the large volume of distribution of this
1046 drug, forced diuresis, dialysis, hemoperfusion, and exchange transfusion are unlikely to be of
1047 benefit. No specific antidotes for paroxetine are known.

1048 A specific caution involves patients who are taking or have recently taken paroxetine who
1049 might ingest excessive quantities of a tricyclic antidepressant. In such a case, accumulation of the
1050 parent tricyclic and/or an active metabolite may increase the possibility of clinically significant
1051 sequelae and extend the time needed for close medical observation (see PRECAUTIONS—
1052 *Drugs Metabolized by Cytochrome CYP2D6*).

1053 In managing overdose, consider the possibility of multiple drug involvement. The physician
1054 should consider contacting a poison control center for additional information on the treatment of
1055 any overdose. Telephone numbers for certified poison control centers are listed in the *Physicians'*
1056 *Desk Reference* (PDR).

1057 **DOSAGE AND ADMINISTRATION**

1058 **Major Depressive Disorder: Usual Initial Dosage:** PAXIL should be administered as a
1059 single daily dose with or without food, usually in the morning. The recommended initial dose is
1060 20 mg/day. Patients were dosed in a range of 20 to 50 mg/day in the clinical trials demonstrating
1061 the effectiveness of PAXIL in the treatment of major depressive disorder. As with all drugs
1062 effective in the treatment of major depressive disorder, the full effect may be delayed. Some
1063 patients not responding to a 20-mg dose may benefit from dose increases, in 10-mg/day
1064 increments, up to a maximum of 50 mg/day. Dose changes should occur at intervals of at least
1065 1 week.

1066 **Maintenance Therapy:** There is no body of evidence available to answer the question of
1067 how long the patient treated with PAXIL should remain on it. It is generally agreed that acute
1068 episodes of major depressive disorder require several months or longer of sustained
1069 pharmacologic therapy. Whether the dose needed to induce remission is identical to the dose
1070 needed to maintain and/or sustain euthymia is unknown.

1071 Systematic evaluation of the efficacy of PAXIL has shown that efficacy is maintained for
1072 periods of up to 1 year with doses that averaged about 30 mg.

1073 **Obsessive Compulsive Disorder: Usual Initial Dosage:** PAXIL should be administered
1074 as a single daily dose with or without food, usually in the morning. The recommended dose of
1075 PAXIL in the treatment of OCD is 40 mg daily. Patients should be started on 20 mg/day and the
1076 dose can be increased in 10-mg/day increments. Dose changes should occur at intervals of at
1077 least 1 week. Patients were dosed in a range of 20 to 60 mg/day in the clinical trials
1078 demonstrating the effectiveness of PAXIL in the treatment of OCD. The maximum dosage
1079 should not exceed 60 mg/day.

1080 **Maintenance Therapy:** Long-term maintenance of efficacy was demonstrated in a 6-month
1081 relapse prevention trial. In this trial, patients with OCD assigned to paroxetine demonstrated a

1082 lower relapse rate compared to patients on placebo (see CLINICAL PHARMACOLOGY—
1083 Clinical Trials). OCD is a chronic condition, and it is reasonable to consider continuation for a
1084 responding patient. Dosage adjustments should be made to maintain the patient on the lowest
1085 effective dosage, and patients should be periodically reassessed to determine the need for
1086 continued treatment.

1087 **Panic Disorder: Usual Initial Dosage:** PAXIL should be administered as a single daily dose
1088 with or without food, usually in the morning. The target dose of PAXIL in the treatment of panic
1089 disorder is 40 mg/day. Patients should be started on 10 mg/day. Dose changes should occur in
1090 10-mg/day increments and at intervals of at least 1 week. Patients were dosed in a range of 10 to
1091 60 mg/day in the clinical trials demonstrating the effectiveness of PAXIL. The maximum dosage
1092 should not exceed 60 mg/day.

1093 **Maintenance Therapy:** Long-term maintenance of efficacy was demonstrated in a 3-month
1094 relapse prevention trial. In this trial, patients with panic disorder assigned to paroxetine
1095 demonstrated a lower relapse rate compared to patients on placebo (see CLINICAL
1096 PHARMACOLOGY—Clinical Trials). Panic disorder is a chronic condition, and it is reasonable
1097 to consider continuation for a responding patient. Dosage adjustments should be made to
1098 maintain the patient on the lowest effective dosage, and patients should be periodically
1099 reassessed to determine the need for continued treatment.

1100 **Social Anxiety Disorder: Usual Initial Dosage:** PAXIL should be administered as a single
1101 daily dose with or without food, usually in the morning. The recommended and initial dosage is
1102 20 mg/day. In clinical trials the effectiveness of PAXIL was demonstrated in patients dosed in a
1103 range of 20 to 60 mg/day. While the safety of PAXIL has been evaluated in patients with social
1104 anxiety disorder at doses up to 60 mg/day, available information does not suggest any additional
1105 benefit for doses above 20 mg/day (see CLINICAL PHARMACOLOGY—Clinical Trials).

1106 **Maintenance Therapy:** There is no body of evidence available to answer the question of
1107 how long the patient treated with PAXIL should remain on it. Although the efficacy of PAXIL
1108 beyond 12 weeks of dosing has not been demonstrated in controlled clinical trials, social anxiety
1109 disorder is recognized as a chronic condition, and it is reasonable to consider continuation of
1110 treatment for a responding patient. Dosage adjustments should be made to maintain the patient
1111 on the lowest effective dosage, and patients should be periodically reassessed to determine the
1112 need for continued treatment.

1113 **Generalized Anxiety Disorder: Usual Initial Dosage:** PAXIL should be administered as a
1114 single daily dose with or without food, usually in the morning. In clinical trials the effectiveness
1115 of PAXIL was demonstrated in patients dosed in a range of 20 to 50 mg/day. The recommended
1116 starting dosage and the established effective dosage is 20 mg/day. There is not sufficient
1117 evidence to suggest a greater benefit to doses higher than 20 mg/day. Dose changes should occur
1118 in 10 mg/day increments and at intervals of at least 1 week.

1119 **Maintenance Therapy:** Systematic evaluation of continuing PAXIL for periods of up to
1120 24 weeks in patients with Generalized Anxiety Disorder who had responded while taking PAXIL
1121 during an 8-week acute treatment phase has demonstrated a benefit of such maintenance (see

1122 CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, patients should be periodically
1123 reassessed to determine the need for maintenance treatment.

1124 **Posttraumatic Stress Disorder: Usual Initial Dosage:** PAXIL should be administered as
1125 a single daily dose with or without food, usually in the morning. The recommended starting
1126 dosage and the established effective dosage is 20 mg/day. In 1 clinical trial, the effectiveness of
1127 PAXIL was demonstrated in patients dosed in a range of 20 to 50 mg/day. However, in a fixed
1128 dose study, there was not sufficient evidence to suggest a greater benefit for a dose of 40 mg/day
1129 compared to 20 mg/day. Dose changes, if indicated, should occur in 10 mg/day increments and at
1130 intervals of at least 1 week.

1131 **Maintenance Therapy:** There is no body of evidence available to answer the question of
1132 how long the patient treated with PAXIL should remain on it. Although the efficacy of PAXIL
1133 beyond 12 weeks of dosing has not been demonstrated in controlled clinical trials, PTSD is
1134 recognized as a chronic condition, and it is reasonable to consider continuation of treatment for a
1135 responding patient. Dosage adjustments should be made to maintain the patient on the lowest
1136 effective dosage, and patients should be periodically reassessed to determine the need for
1137 continued treatment.

1138 **Special Populations: Treatment of Pregnant Women During the Third Trimester:**
1139 Neonates exposed to PAXIL and other SSRIs or SNRIs, late in the third trimester have
1140 developed complications requiring prolonged hospitalization, respiratory support, and tube
1141 feeding (see PRECAUTIONS). When treating pregnant women with paroxetine during the third
1142 trimester, the physician should carefully consider the potential risks and benefits of treatment.
1143 The physician may consider tapering paroxetine in the third trimester.

1144 **Dosage for Elderly or Debilitated Patients, and Patients With Severe Renal or
1145 Hepatic Impairment:** The recommended initial dose is 10 mg/day for elderly patients,
1146 debilitated patients, and/or patients with severe renal or hepatic impairment. Increases may be
1147 made if indicated. Dosage should not exceed 40 mg/day.

1148 **Switching Patients to or From a Monoamine Oxidase Inhibitor:** At least 14 days
1149 should elapse between discontinuation of an MAOI and initiation of therapy with PAXIL.
1150 Similarly, at least 14 days should be allowed after stopping PAXIL before starting an MAOI.

1151 **Discontinuation of Treatment With PAXIL:** Symptoms associated with discontinuation of
1152 PAXIL have been reported (see PRECAUTIONS). Patients should be monitored for these
1153 symptoms when discontinuing treatment, regardless of the indication for which PAXIL is being
1154 prescribed. A gradual reduction in the dose rather than abrupt cessation is recommended
1155 whenever possible. If intolerable symptoms occur following a decrease in the dose or upon
1156 discontinuation of treatment, then resuming the previously prescribed dose may be considered.
1157 Subsequently, the physician may continue decreasing the dose but at a more gradual rate.

1158 **NOTE:** SHAKE SUSPENSION WELL BEFORE USING.

1159 HOW SUPPLIED

1160 **Tablets:** Film-coated, modified-oval as follows:

1161 10-mg yellow, scored tablets engraved on the front with PAXIL and on the back with 10.
1162 NDC 0029-3210-13 Bottles of 30
1163 20-mg pink, scored tablets engraved on the front with PAXIL and on the back with 20.
1164 NDC 0029-3211-13 Bottles of 30
1165 NDC 0029-3211-20 Bottles of 100
1166 NDC 0029-3211-21 SUP 100s (intended for institutional use only)
1167 30-mg blue tablets engraved on the front with PAXIL and on the back with 30.
1168 NDC 0029-3212-13 Bottles of 30
1169 40-mg green tablets engraved on the front with PAXIL and on the back with 40.
1170 NDC 0029-3213-13 Bottles of 30
1171 Store tablets between 15° and 30°C (59° and 86°F).
1172 **Oral Suspension:** Orange-colored, orange-flavored, 10 mg/5 mL, in 250 mL white bottles.
1173 NDC 0029-3215-48
1174 Store suspension at or below 25°C (77°F).
1175 PAXIL is a registered trademark of GlaxoSmithKline.
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Month YEAR

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